

CITY OF PORTSMOUTH, NH
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2022



Planning Board Adoption: January 21, 2016
City Council Public Hearing: February 16, 2016
City Council Adoption: March 14, 2016

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CAPITAL IMPROVEMENT PLAN

FY 2017 to FY 2022

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 and Member of the CIP Subcommittee
Rebecca Perkins, City Council Representative
Colby Gamester, Member of the CIP Subcommittee
William Gladhill
Jay Leduc
Dexter Legg
David Allen, Deputy City Manager, Ex-officio
Robert Marsilia, Chief Building Inspector, Ex-officio
Justin Finn, Alternate

Prepared By

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CAPITAL IMPROVEMENT PLAN

FY 2017 to FY 2022

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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 21, 2016

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 2017-2022 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 2016 General Fund budget is \$101 million; therefore, the capital expenditure target for FY 2017 would be approximately \$2 million.

After reviewing departmental capital project requests totaling \$2.31 million, the Planning Board is recommending an appropriation of \$2.0 million, or 2.0 percent of the FY 2016 budget. Where possible, projects have been linked to achieve the maximum benefit possible from finite fiscal resources.

The format of this year's Capital Improvement Plan has been updated from previous years in order to provide additional background information on each project while continuing to allow for a comparison with previous CIPs. As part of this revision, the project prioritization categories have been revised. In the new format, 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

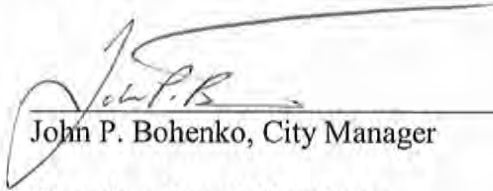
years in the future; and priority "O" represents ongoing projects such as street and sidewalk upgrades, or continuing multi-year projects.

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,



John Ricci, Chair, Planning Board



John P. Bohenko, City Manager

Planning Board Members:

- John Ricci, Chair
- Elizabeth Moreau, Vice-Chair
- Rebecca Perkins, City Council Representative
- Colby Gamester
- William Gladhill
- Jay Leduc
- Dexter Legg
- David Allen, Deputy City Manager, Ex-officio
- Robert Marsilia, Chief Building Inspector, Ex-officio
- Justin Finn, 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 2017 – FY 2022" 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 21, 2016

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:
 - Implement within 3 years
 - Implement within 6 years
 - Implement after 6 years
 - 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 17-22);
2. A graph displaying the FY 2017 Distribution of Capital Improvement Plan Funding (Non-Enterprise Funds);
3. General Fund, Capital Outlay Projects only (FYs 11-17);
4. Computation of Legal Debt Margin as of June 30, 2015;
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 (Water Fund);
9. Long-Term Debt Service Forecast Model (Sewer Fund);
10. Long-Term Debt – Outstanding Balance (All Funds).

FY 17 Distribution

FY '18 to FY '22 Schedule

		Enterprise					FY '17	FY '18	FY '19	FY '20	FY '21	FY '22	Total Cost		
		GF	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP	Total							
I. VEHICLE and EQUIPMENT SCHEDULE															
<u>VEHICLES</u>															
40	VE-FD-	01	AMBULANCE REPLACEMENT (Funded through Rolling Stock Line Item)					\$140,000	\$140,000	\$120,000	\$120,000	\$80,000	\$80,000	\$80,000	\$620,000
41	VE-FD-	02	VEHICLE REPLACEMENT - FIRE BOAT #1					\$0	\$0	\$180,000					\$180,000
42	VE-FD-	03	VEHICLE REPLACEMENT - FIRE RESCUE #3			\$400,000		\$400,000	\$400,000						\$400,000
43	VE-FD-	04	VEHICLE REPLACEMENT - FIRE ENGINE #6					\$0	\$0	\$600,000					\$600,000
44	VE-FD-	05	VEHICLE REPLACEMENT - FIRE LADDER #2					\$0	\$0			\$1,000,000			\$1,000,000
<u>EQUIPMENT</u>															
45	VE-FD-	06	DURABLE MEDICAL EQUIPMENT			\$61,000		\$61,000	\$61,000						\$61,000
46	VE-CL-	07	RECORDS PRESERVATION			\$44,000		\$44,000	\$44,000	\$42,000	\$44,000				\$130,000
47	VE-CL-	08	REPLACE VOTING BOOTHS			\$52,400		\$52,400	\$52,400						\$52,400
I. TOTAL EQUIPMENT AND VEHICLE SCHEDULE			\$157,400	\$0	\$400,000	\$0	\$140,000	\$0	\$697,400	\$342,000	\$764,000	\$80,000	\$1,080,000	\$80,000	\$3,043,400

II. BUILDINGS AND INFRASTRUCTURE															
<u>VEHICLES</u>															
50	BI-FD-	01	FIRE STATION THREE RENOVATIONS			\$610,000		\$610,000	\$610,000						\$610,000
51	BI-PD-	02	POLICE NEW FACILITY-LAND ACQUISITION			TBD		\$0	\$0						\$0
52	BI-PD-	03	POLICE NEW FACILITY					\$0	\$0		\$10,000,000				\$10,000,000
53	BI-SD-	04	SCHOOL FACILITIES CAPITAL IMPROVEMENTS					\$0	\$0		\$500,000			\$500,000	\$1,000,000
55	BI-SD-	05	ELEMENTARY SCHOOLS UPGRADE			\$5,000,000		\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000				\$15,000,000
56	BI-TT-	06	PRESCOTT PARK: FACILITIES CAPITAL IMPROVEMENTS			\$80,000		\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$480,000
57	BI-CD-	07	HISTORIC MARKERS REPLACEMENT PROJECT				\$5,000	\$5,000	\$10,000	\$5,000	\$10,000	\$5,000	\$10,000	\$10,000	\$45,000
58	BI-CC-	08	LAND ACQUISITION			\$25,000		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000
59	BI-CD-	09	IMPLEMENTATION OF PEIRCE ISLAND MASTER PLAN			\$25,000		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000
60	BI-CD-	10	IMPLEMENTATION OF SAGAMORE CREEK PARCEL CONCEPTUAL MASTER PLAN			\$25,000		\$25,000	\$50,000						\$50,000
61	BI-CD-	11	CHESTNUT STREET STREETScape IMPROVEMENTS			\$200,000	\$200,000	\$400,000	\$800,000						\$800,000
62	BI-CD-	12	MCINTYRE FEDERAL OFFICE BUILDING-PLANNING AND IMPLEMENTATION					\$0	\$0	\$25,000					\$25,000
63	BI-CD-	13	REUSE OF PAUL A DOBLE ARMY RESERVE CENTER			\$50,000		\$50,000	\$50,000						\$50,000
64	BI-CD-	14	PARK AND PLAYGROUND IMPROVEMENTS			\$50,000		\$50,000	\$50,000	\$100,000	\$50,000	\$100,000	\$50,000	\$100,000	\$450,000
65	BI-CD-	15	RECREATION STUDY IMPLEMENTATION: INDOOR RECREATION FACILITIES					\$0	\$0		\$175,000		\$2,000,000		\$2,175,000
66	BI-CD-	16	RECREATION STUDY IMPLEMENTATION: OUTDOOR RECREATION FIELDS				\$600,000	\$600,000	\$600,000	\$1,000,000	\$1,000,000				\$2,600,000
67	BI-CD-	17	MULTI-PURPOSE RECREATION FIELD (FORMER STUMP DUMP)			\$1,750,000	\$250,000	\$2,000,000	\$2,000,000						\$2,000,000
68	BI-PW-	18	RECYCLING & SOLID WASTE TOTES					\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
69	BI-PW-	19	OUTDOOR POOL UPGRADE			\$500,000		\$500,000	\$500,000					\$400,000	\$900,000
70	BI-PW-	20	BLEACHERS/GRANDSTANDS					\$0	\$0	\$50,000					\$50,000

Capital Improvement Plan Summary '17-'22

CIP

Page

FY 17 Distribution

FY '18 to FY '22 Schedule

			FY 17 Distribution					FY '17 Total	FY '18 to FY '22 Schedule						
			GF	Enterprise Funds	Bond/Lease	Federal/State	Other/Revenues		PPP	FY '18	FY '19	FY '20	FY '21		FY '22
71	BI-PW/FED-	21	SOUND BARRIERS IN RESIDENTIAL AREA ALONG I-95						\$0	\$650,000					\$650,000
72	BI-PW-	22	HISTORIC CEMETERY IMPROVEMENTS	\$40,000			\$10,000		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
73	BI-PW-	23	CITYWIDE RETAINING WALLS REPAIRS and IMPROVEMENTS						\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
74	BI-PW-	24	CITYWIDE STORMDRAINAGE IMPROVEMENTS	\$200,000					\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000
75	BI-PW-	25	CITY WIDE FACILITIES CAPITAL IMPROVEMENTS MASTER PLAN			\$1,000,000			\$1,000,000			\$1,000,000			\$2,000,000
76	BI-PW-	26	RECYCLING & SOLID WASTE TRANSFER STATION						\$0	\$150,000	\$1,000,000				\$1,150,000
77	BI-PW-	27	MUNICIPAL COMPLEX STORAGE BUILDING REPLACEMENT						\$0	\$75,000	\$75,000	\$50,000			\$200,000
78	BI-PW-	28	HANOVER PARKING FACILITY-CAPITAL IMPROVEMENTS					\$150,000	\$150,000	\$150,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$5,450,000

II. TOTAL BUILDINGS AND INFRASTRUCTURE			\$495,000	\$0	\$9,060,000	\$10,000	\$975,000	\$655,000	\$11,195,000	\$7,740,000	\$13,335,000	\$11,740,000	\$2,635,000	\$1,590,000	\$48,235,000
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III. INFORMATION SYSTEMS MANAGEMENT														Total Cost		
80	IS-II-	01	INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS					\$406,000		\$406,000	\$326,500	\$370,600	\$355,000	\$392,000	\$435,000	\$2,285,100
			(Funded through General Fund-Other General Non-Operating)													
86	IS-PD-	02	PUBLIC SAFETY RECORDS MGT/COMPUTER AIDED DISPATCH						\$0					\$500,000	\$500,000	
III. TOTAL INFORMATION SYSTEMS MANAGEMENT			\$0	\$0	\$0	\$0	\$406,000	\$0	\$406,000	\$326,500	\$370,600	\$355,000	\$892,000	\$435,000	\$2,785,100	

FY 17 Distribution

FY '18 to FY '22 Schedule

		Enterprise						FY '17	FY '18	FY '19	FY '20	FY '21	FY '22	Total Cost
		GF	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP	Total						
IV. TRANSPORTATION MANAGEMENT														
A. CITY OF PORTSMOUTH -DIRECT														
PARKING														
88	TSM-PW-	01	FREE PUBLIC PARKING/SHARED LOT AGREEMENTS					\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000
89	TSM-PW-	02	PARKING LOT PAVING					\$150,000	\$150,000	\$300,000	\$300,000	\$100,000	\$100,000	\$1,000,000
90	TSM-PW-	03	PARKING METERS					\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$270,000
BICYCLE/PEDESTRIAN														
91	TSM-CD/NH-	04	HAMPTON BRANCH RAIL TRAIL	\$113,000				\$60,000	\$90,000	\$263,000	\$405,000	\$361,000	\$340,000	\$1,369,000
92	TSM-CD-	05	MAPLEWOOD AVE COMPLETE STREET					\$250,000	\$250,000	\$750,000				\$1,000,000
93	TSM-CD-	06	GOSLING RD PEDESTRIAN, BICYCLE AND RELATED IMPROVEMENTS					\$80,000	\$80,000	\$300,000				\$380,000
94	TSM-CD-	07	CHESTNUT STREET PEDESTRIAN CONNECTOR	\$50,000					\$50,000	\$25,000				\$75,000
95	TSM-PW-	08	MARKET SQUARE UPGRADE						\$0	\$50,000	\$1,000,000			\$1,050,000
96	TSM-PW-	09	SPINNEY ROAD NEW SIDEWALK CONSTRUCTION						\$0	\$50,000				\$50,000
97	TSM-PW-	10	NORTH MILL POND MULTI-USE PATH	\$100,000					\$100,000	\$2,250,000				\$2,350,000
98	TSM-PW-	11	WAYFINDING SYSTEM						\$0	\$275,000	\$350,000			\$625,000
99	TSM-PW-	12	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM						\$0	\$800,000		\$800,000		\$800,000
101	TSM-PW/NH-	13	US ROUTE 1 NEW SIDEWALK CONSTRUCTION						\$0	\$36,000	\$50,000	\$50,000	\$205,000	\$1,365,000
102	TSM-PW-	14	US RT1 CROSSWALKS AND SIGNALS						\$0	\$17,000	\$25,500			\$205,000
103	TSM-PW-	15	ELWYN PARK SIDEWALKS PHASE I						\$0	\$98,000			\$150,000	\$980,000
INTERSECTION/SIGNALS														
104	TSM-PW-	16	AT-GRADE RR CROSSINGS	\$30,000				\$270,000	\$300,000					\$300,000
105	TSM-PW-	17	CITYWIDE TRAFFIC SIGNAL UPGRADE PROGRAM	\$100,000					\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
106	TSM-PW-	18	CITYWIDE INTERSECTION IMPROVEMENTS						\$0	\$100,000		\$100,000		\$300,000
107	TSM-PW-	19	WOODBURY AVE/MARKET ST INTERSECTION IMPROVEMENT						\$0	\$219,000				\$219,000
108	TSM-PW-	20	LAFAYETTE RD/ANDREW JARVIS INTERSECTION IMPROVEMENT						\$0				\$750,000	\$750,000
109	TSM-PW-	21	RUSSELL-MARKET INTERSECTION UPGRADES					\$50,000	\$50,000	\$394,000				\$444,000
BRIDGES														
110	TSM-PW-	22	BRIDGE MASTER PLAN	\$75,000					\$75,000					\$75,000
111	TSM-PW/NH-	23	PEIRCE ISLAND BRIDGE REPLACEMENT						\$0			\$8,000,000		\$8,000,000
112	TSM-PW-	24	MAPLEWOOD AVENUE CULVERT REPLACEMENT						\$0				\$3,800,000	\$3,800,000
113	TSM-PW/NH-	25	CATE STREET BRIDGE REPLACEMENT						\$0					\$0

Capital Improvement Plan Summary '17-'22

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FY 17 Distribution

FY '18 to FY '22 Schedule

	GF	Enterprise					FY '17 Total	FY '18	FY '19	FY '20	FY '21	FY '22				
		Funds	Bond/Lease	Federal/State	Other/Revenues	PPP										
ROADWAY																
114	TSM-PW-	26	LONGMEADOW ROAD EXTENSION	\$50,000									\$100,000			
115	TSM-PW-	27	NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS	\$80,000									\$580,000			
116	TSM-PW-	28	CITYWIDE TREE REPLACEMENT PROGRAM	\$20,000									\$120,000			
117	TSM-PW-	29	TRANSPORTATION PLAN STUDIES				\$20,000						\$120,000			
118	TSM-PW/NH-	30	MARKET STREET GATEWAY IMPROVEMENTS	\$117,000		\$5,000							\$672,000			
119	TSM-PW-	31	STREET PAVING, MANAGEMENT AND REHABILITATION					\$0	\$3,000,000	\$3,000,000		\$3,000,000	\$9,000,000			
121	TSM-PW-	32	MCDONOUGH STREET IMPROVEMENTS		\$400,000								\$400,000			
122	TSM-PW-	33	ISLINGTON STREET IMPROVEMENTS	\$200,000					\$2,500,000				\$2,700,000			
123	TSM-PW-	34	SOUTH STREET IMPROVEMENTS					\$0			\$100,000	\$100,000	\$200,000			
124	TSM-PW/FED-	35	PEVERLY HILL ROAD IMPROVEMENTS	\$300,000					\$1,500,000				\$1,800,000			
125	TSM-PW-	36	PEASE INTERNATIONAL TRADEPORT-ROADWAY REHABILITATIONS		\$2,500,000					\$750,000		\$750,000	\$4,000,000			
127	TSM-PW-	37	BANFIELD ROAD IMPROVEMENTS		\$500,000				\$150,000				\$650,000			
128	TSM-PW-	38	JUNKINS AVENUE					\$0		\$150,000	\$1,100,000		\$1,250,000			
IV. TOTAL TRANSPORTATION MANAGEMENT				\$1,235,000	\$0	\$3,400,000	\$415,000	\$365,000	\$300,000	\$5,715,000	\$14,564,000	\$2,331,500	\$5,535,000	\$10,650,000	\$11,445,000	\$50,240,500

FY 17 Distribution

FY '18 to FY '22 Schedule

			Enterprise					FY '17 Total	FY '18	FY '19	FY '20	FY '21	FY '22	Total Cost							
			GF	Funds	Bond/Lease	Federal/State	Other/Revenues								PPP						
V. ENTERPRISE FUNDS																					
Water																					
130	EF-WD-	01	ANNUAL WATER LINE REPLACEMENT		\$500,000	\$1,500,000									\$2,000,000	\$2,500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,500,000
131	EF-WD-	02	WELL STATIONS IMPROVEMENTS		\$150,000										\$150,000	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$700,000
132	EF-WD-	03	WATER SYSTEM PRESSURE AND STORAGE IMPROVEMENTS		\$250,000	\$750,000									\$1,000,000	\$500,000					\$1,500,000
133	EF-WD-	04	RESERVOIR MANAGEMENT												\$0		\$25,000	\$500,000			\$525,000
Water Subtotals:					\$0	\$900,000	\$2,250,000	\$0	\$0	\$0	\$3,150,000	\$3,150,000	\$625,000	\$1,100,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$9,225,000	
Sewer																					
135	EF-SD-	01	PEIRCE ISLAND WASTEWATER TREATMENT FACILITY			\$70,000,000									\$70,000,000						\$70,000,000
136	EF-SD-	02	PEASE WASTEWATER TREATMENT PLANT UPGRADES		\$600,000										\$600,000	\$5,600,000					\$6,200,000
137	EF-SD-	03	LONG TERM CONTROL PLAN RELATED PROJECTS		\$400,000										\$400,000	\$200,000	\$300,000	\$3,000,000			\$3,900,000
138	EF-SD-	04	ANNUAL SEWER LINE REPLACEMENT		\$1,000,000	\$2,500,000									\$3,500,000	\$3,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,500,000
139	EF-SD-	05	PUMPING STATION UPGRADE		\$250,000	\$400,000									\$650,000	\$100,000	\$400,000	\$100,000	\$400,000	\$100,000	\$1,750,000
140	EF-SD-	06	MECHANIC STREET PUMPING STATION UPGRADE												\$0	\$1,500,000	\$8,000,000				\$9,500,000
141	EF-SD-	07	GOOSE BAY DRIVE SEWER REPLACEMENT			\$500,000		\$50,000							\$550,000						\$550,000
142	EF-SD-	08	UNION STREET SEWER RECONSTRUCTION		\$150,000										\$150,000	\$500,000					\$650,000
Sewer Subtotals:					\$0	\$2,400,000	\$73,400,000	\$0	\$50,000	\$0	\$75,850,000	\$9,400,000	\$2,700,000	\$11,600,000	\$900,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$101,050,000
V. TOTAL ENTERPRISE FUNDS					\$0	\$3,300,000	\$75,650,000	\$0	\$50,000	\$0	\$79,000,000	\$12,550,000	\$3,325,000	\$12,700,000	\$1,500,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$110,275,000

Capital Improvement Plan Summary '17-'22
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SUMMARY **TOTALS PER SECTION**

- I. EQUIPMENT AND VEHICLE SCHEDULE
- II. BUILDING & INFRASTRUCTURE
- III. INFORMATION MANAGEMENT SYSTEMS
- IV. TRANSPORTATION MANAGEMENT PLAN
- CAPITAL CONTINGENCY
- SUBTOTALS**

FY 17 Distribution

FY '18 to FY '22 Schedule

GF	Enterprise					FY '17 Total	FY '18	FY '19	FY '20	FY '21	FY '22	
	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP							
\$157,400	\$0	\$400,000	\$0	\$140,000	\$0	\$697,400	\$342,000	\$764,000	\$80,000	\$1,080,000	\$80,000	\$3,043,400
\$495,000	\$0	\$9,060,000	\$10,000	\$975,000	\$655,000	\$11,195,000	\$7,740,000	\$13,335,000	\$11,740,000	\$2,635,000	\$1,590,000	\$48,235,000
\$0	\$0	\$0	\$0	\$406,000	\$0	\$406,000	\$326,500	\$370,600	\$355,000	\$892,000	\$435,000	\$2,785,100
\$1,235,000	\$0	\$3,400,000	\$415,000	\$365,000	\$300,000	\$5,715,000	\$14,564,000	\$2,331,500	\$5,535,000	\$10,650,000	\$11,445,000	\$50,240,500
\$112,600	\$0	\$0	\$0	\$0	\$0	\$112,600	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$612,600
\$2,000,000	\$0	\$12,860,000	\$425,000	\$1,886,000	\$955,000	\$18,126,000	\$23,072,500	\$16,901,100	\$17,810,000	\$15,357,000	\$13,650,000	\$104,916,600

ENTERPRISE FUNDS

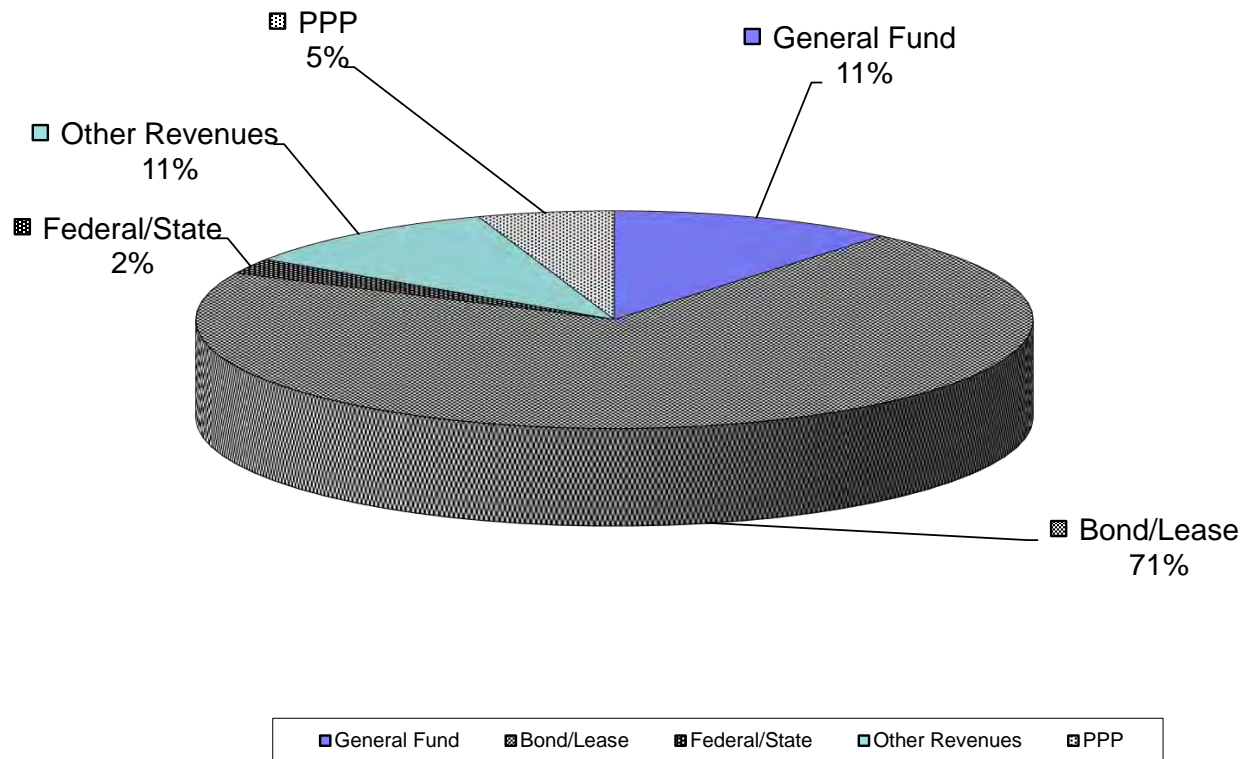
- WATER FUND
- SEWER FUND
- V. **TOTAL ENTERPRISE FUNDS**

\$0	\$900,000	\$2,250,000	\$0	\$0	\$0	\$3,150,000	\$3,150,000	\$625,000	\$1,100,000	\$600,000	\$600,000	\$9,225,000
\$0	\$2,400,000	\$73,400,000	\$0	\$50,000	\$0	\$75,850,000	\$9,400,000	\$2,700,000	\$11,600,000	\$900,000	\$600,000	\$101,050,000
\$0	\$3,300,000	\$75,650,000	\$0	\$50,000	\$0	\$79,000,000	\$12,550,000	\$3,325,000	\$12,700,000	\$1,500,000	\$1,200,000	\$110,275,000

GRAND TOTAL:

\$2,000,000	\$3,300,000	\$88,510,000	\$425,000	\$1,936,000	\$955,000	\$97,126,000	\$35,622,500	\$20,226,100	\$30,510,000	\$16,857,000	\$14,850,000	\$215,191,600
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FY 2017 CIP Distribution (Non-Enterprise Funds)



	General Fund	Bond/Lease	Federal/State	Other Revenues	PPP	Totals
Amount	\$2,000,000	\$12,860,000	\$425,000	\$1,886,000	\$955,000	\$18,126,000
% of Total	11%	71%	2%	10%	5%	

**Capital Improvements
Fiscal Year 2017
Taken from Capital Improvement Plan 2017-2022
General Fund, Capital Outlay Projects Only FYs 11-17**

CIP PAGE	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total FY's 11-16 (6 Prior years)	Department Request FY 17	For Planning Board	
									Planning Board CIP-Sub Committee adjusted	Adoption 1/21/2016 City Council Adoption 3/14/2016
I. EQUIPMENT AND VEHICLE SCHEDULE (VE)										
45							\$0	\$61,000		\$61,000
46							\$0	\$44,000		\$44,000
47							\$0	\$52,400		\$52,400
						\$30,000	\$30,000	\$60,000		
						\$30,000	\$30,000	\$30,000		
				\$25,000			\$25,000			
			\$100,000	\$100,000			\$200,000			
			\$35,000	\$35,000			\$70,000			
		\$100,000					\$100,000			
	\$35,500						\$35,500			
	\$12,000						\$12,000			
Total Equipment and Vehicle										
	\$47,500	\$100,000	\$135,000	\$160,000	\$60,000	\$30,000	\$532,500	\$157,400	\$0	\$157,400

II. BUILDINGS AND INFRASTRUCTURE (BI)

56	\$40,000	\$40,650	\$87,500		\$87,500	\$80,000	\$335,650	\$80,000		\$80,000
58		\$25,000	\$25,000	\$25,000			\$75,000	\$25,000		\$25,000
59	\$50,000	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	\$200,000	\$25,000		\$25,000
60	\$12,500	\$12,500	\$0			\$50,000	\$75,000	\$25,000		\$25,000
62						\$25,000	\$25,000	\$25,000	(\$25,000)	\$0
63			\$50,000			\$50,000	\$100,000	\$50,000		\$50,000
64	\$100,000	\$75,000	\$75,000	\$75,000	\$100,000	\$100,000	\$525,000	\$50,000		\$50,000
71						\$50,000	\$50,000	\$50,000	(\$50,000)	\$0
72	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	\$40,000	\$130,000	\$40,000		\$40,000
74					\$50,000	\$200,000	\$250,000	\$200,000		\$200,000
77						\$50,000	\$50,000	\$75,000	(\$75,000)	\$0
	\$10,000	\$10,000				\$10,000	\$30,000			

**Capital Improvements
Fiscal Year 2017
Taken from Capital Improvement Plan 2017-2022
General Fund, Capital Outlay Projects Only FYs 11-17**

CIP PAGE	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total FY's 11-16	Department	Planning Board	For PlanningBoard
								Request FY 17	CIP-Sub Committee adjusted	Adoption 1/21/2016 City Council Adoption 3/14/2016
						\$15,000	\$15,000			
FIRE STATION LIGHTING IMPROVEMENTS						\$15,000	\$15,000			
BLEACHER/GRANDSTANDS					\$50,000	\$50,000	\$100,000			
RETAINING WALLS REPAIR AND IMPROVEMENTS					\$75,000	\$100,000	\$175,000			
MASTER PLAN PLANNING PROCESS			\$50,000	\$75,000	\$100,000	\$50,000	\$275,000			
POLICE SITE NEEDS STUDY					\$50,000		\$50,000			
POLICE SPACE NEEDS STUDY			\$0	\$25,000			\$25,000			
BANFIELD ROAD DRAINAGE IMPROVEMENTS				\$50,000	\$50,000		\$100,000			
CITY WIDE FACILITIES CAPITAL IMPROVEMENTS MASTER PLAN					\$50,000		\$50,000			
CITY HALL ENTRY WAY ACCESSIBILITY IMPROVEMENTS				\$100,000			\$100,000			
ELWYN PARK DRAINAGE IMPROVEMENTS				\$75,000			\$75,000			
LESLIE DRIVE DRAINAGE IMPROVEMENTS				\$100,000			\$100,000			
MUNICIPAL COMPLEX BOILER REPLACEMENT AND RELATED			\$175,000				\$175,000			
SEAWALL REPAIRS	\$150,000	\$225,000					\$375,000			
MUNICIPAL COMPLEX ELEVATOR REPLACEMENT	\$200,000	\$175,000					\$375,000			
ELEMENTARY SCHOOL UPGRADES	\$25,000						\$25,000			
Total Buildings and Infrastructure	\$597,500	\$623,150	\$497,500	\$560,000	\$687,500	\$895,000	\$3,860,650	\$645,000	(\$150,000)	\$495,000

IV. TRANSPORTATION MANAGEMENT (TSM)

91	HAMPTON BRANCH RAIL TRAIL					\$150,000	\$56,000	\$206,000	\$113,000		\$113,000
97	NORTH MILL POND MULTI-USE PATH							\$0	\$100,000		\$100,000
94	CHESTNUT STREET PEDESTRIAN CONNECTOR							\$0	\$75,000	(\$25,000)	\$50,000
104	INTERSECTION UPGRADE: AT-GRADE CROSSING					\$76,800	\$77,000	\$153,800	\$30,000		\$30,000
105	CITYWIDE TRAFFIC SIGNAL UPGRADE PROGRAM	\$75,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$575,000	\$100,000		\$100,000
110	BRIDGE MASTER PLAN							\$0	\$75,000		\$75,000
114	LONGMEADOW ROAD EXTENSION				\$100,000	\$25,000	\$75,000	\$200,000	\$100,000	(\$50,000)	\$50,000
115	NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS							\$0	\$80,000		\$80,000
116	CITYWIDE TREE REPLACEMENT PROGRAM	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$20,000		\$20,000
118	MARKET ST GATEWAY IMPROVEMENTS			\$120,000		\$120,000		\$240,000	\$117,000		\$117,000

**Capital Improvements
Fiscal Year 2017
Taken from Capital Improvement Plan 2017-2022
General Fund, Capital Outlay Projects Only FYs 11-17**

CIP PAGE		FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total FY's 11-16	Department Request FY 17	Planning Board CIP-Sub Committee adjusted	For PlanningBoard
											Adoption 1/21/2016 City Council Adoption 3/14/2016
122	ISLINGTON STREET-STREETScape IMPROVEMENTS			\$100,000		\$100,000		\$200,000	\$200,000		\$200,000
124	PEVERLY HILL ROAD IMPROVEMENTS							\$0	\$300,000		\$300,000
125	PEASE INTERNATIONAL TRADEPORT-ROADWAY REHABILITATIONS							\$0	\$100,000	(\$100,000)	\$0
	MAPLEWOOD AVE COMPLETE STREET						\$167,000	\$167,000			
	MARKET SQUARE UPGRADE					\$50,000	\$50,000	\$100,000			
	SPINNEY ROAD NEW SIDEWALK CONSTRUCTION				\$100,000		\$125,000	\$225,000			
	BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION					\$50,000	\$0	\$50,000			
	CITYWIDE INTERSECTION IMPROVEMENTS	\$50,000		\$0	\$100,000		\$100,000	\$250,000			
	MIDDLE ST BICYCLE LANES				\$25,000	\$25,000		\$50,000			
	DOWNTOWN SIGNAGE AND PEDESTRIAN WAYFINDING SYSTEM	\$50,000	\$75,000	\$0	\$100,000			\$225,000			
	BANFIELD ROAD IMPROVMENTS					\$50,000		\$50,000			
	ATLANTIC HEIGHTS NEIGHBORHOOD EMERGENCY ACCESS ROUTE					\$50,000		\$50,000			
	WOODBURY AVE TURNING LANES	\$100,000	\$50,000	\$50,000				\$200,000			
	ALDRICH RD TRAFFIC SAFETY IMPROVEMENTS	\$25,000						\$25,000			
	TRAFFIC CALMING/UPGRADES: OCEAN RD	\$70,000						\$70,000			
	MAPLEWOOD AVENUE REHABILITATION	\$100,000						\$100,000			
Total Transportation Management		\$490,000	\$245,000	\$390,000	\$545,000	\$816,800	\$770,000	\$3,256,800	\$1,410,000	(\$175,000)	\$1,235,000

SUMMARY

TOTALS PER SECTION

I.	EQUIPMENT AND VEHICLE SCHEDULE	\$47,500	\$100,000	\$135,000	\$160,000	\$60,000	\$30,000	\$532,500	\$157,400	\$0	\$157,400
II.	BUILDING & INFRASTRUCTURE	\$597,500	\$623,150	\$497,500	\$560,000	\$687,500	\$895,000	\$3,860,650	\$645,000	(\$150,000)	\$495,000
IV.	TRANSPORTATION MANAGEMENT PLAN	\$490,000	\$245,000	\$390,000	\$545,000	\$816,800	\$770,000	\$3,256,800	\$1,410,000	(\$175,000)	\$1,235,000
v.	CAPITAL CONTINGENCY	\$52,500	\$50,000	\$0	\$100,000	\$35,700	\$70,000	\$308,200	\$100,000	\$12,600	\$112,600
	TOTAL	\$1,187,500	\$1,018,150	\$1,022,500	\$1,365,000	\$1,600,000	\$1,765,000	\$7,958,150	\$2,312,400	(\$312,400)	\$2,000,000

CITY OF PORTSMOUTH, NEW HAMPSHIRE
Computation of Legal Debt Margin
As of June 30, 2015

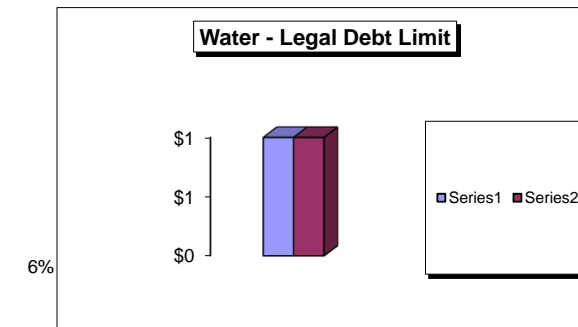
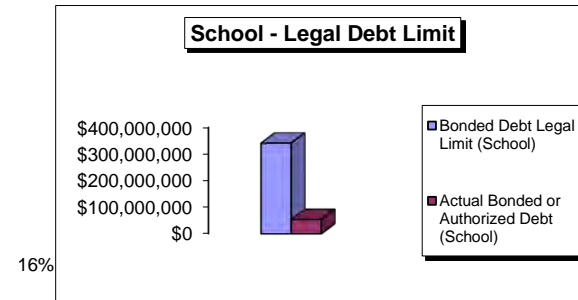
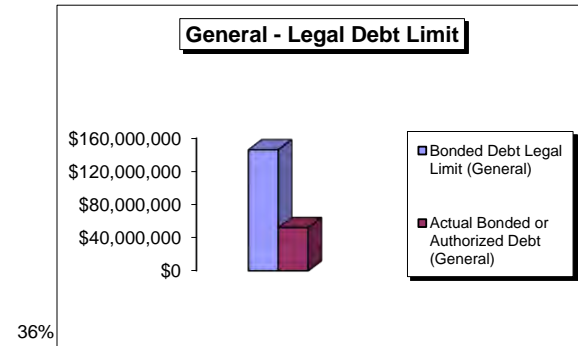
Modified local assessed valuation	\$	4,204,972,105
Department of Revenue Administration inventory adjustment		666,607,168
Equalized assessed valuation		4,871,579,273
Adjustment: RSA 31-A		-
Base valuation for debt limit (1)	\$	4,871,579,273

Bonded debt limit - 3.0% of base (General Debt)	\$	146,147,378
Gross bonded debt June 30	\$28,494,237	
Less:		
Landfill (4)	884,237	27,610,000
Authorized but unissued		
Commerce Way	1,600,000	
Deer Street Parking Facility	23,200,000	
		24,800,000
Total debt applicable to 3% limitation		52,410,000
Legal Debt Margin	\$	93,737,378

Bonded debt limit - 7.0% of base (School Debt) (5)	\$	341,010,549
Gross bonded debt June 30,	49,055,000	
		49,055,000
Authorized but unissued		
Elementary School Upgrades	5,000,000	
New Franklin Energy Efficiency	25,000	
		5,025,000
Total debt applicable to 7% limitation		54,080,000
Legal Debt Margin	\$	286,930,549

Bonded debt limit - 10% of base (Water Fund) (2) (3)	487,157,927
Gross bonded debt June 30,	28,040,824
	28,040,824
Authorized but unissued	-
	-
Total debt applicable to 10% limitation	28,040,824
Legal Debt Margin	459,117,103

- (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) Enterprise funds.
- (3) Subject to a separate debt limit of 10% of the City's base valuation per RSA 33:5-a.
- (4) Exempt per RSA 33:5-b.
- (5) Subject to a separate debt limit of 7% of the City's base valuation per RSA 33:4-a



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

			FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
ISSUED DEBT													
GENERAL FUND-Issued Debt													
General Government													
08/01/05 05 Improvements	3.95%	2,945,000											
Principal-Last Pmt FY 16		10 Yr	290,000										
Interest			5,800										
06/15/07 New Castle Ave/Seawall	4.00%	600,000											
Principal-Last Pmt FY 17		10 Yr	60,000	60,000									
Interest			5,025	2,475									
06/15/07 06 Improvements	4.00%	950,000											
Principal-Last Pmt FY 17		10 Yr	95,000	95,000									
Interest			7,956	3,919									
06/15/07 07 Improvements	4.00%	4,450,000											
Principal-Last Pmt FY 17		10 Yr	445,000	445,000									
Interest			37,269	18,356									
12/14/11 Fire Apparatus	1.26%	500,000											
Principal-Last Pmt FY 17		5 YR	100,000	100,000									
Interest			7,500	2,500									
06/15/08 08 Improvements	3.46%	2,500,000											
Principal-Last Pmt FY 18		10 Yr	250,000	250,000	250,000								
Interest			28,750	19,375	10,000								
11/18/98 Coakley OU-1 20 yr		3,605,773											
Principal-Last Pmt FY 19		20 YR	180,289	180,289	180,289	180,289							
Interest-State recalculated interest starting in FY 15 saving \$62,049			6,130	4,597	3,065	1,532							
06/15/09 09 Improvements	2.96%	3,500,000											
Principal-Last Pmt FY 19		10 Yr	350,000	350,000	350,000	350,000							
Interest			70,000	52,500	35,000	17,500							
05/15/10 10 Improvements	2.48%	1,800,000											
Principal-Last Pmt FY 20		10 Yr	180,000	180,000	180,000	180,000	180,000	180,000					
Interest			38,700	31,500	24,300	16,200	8,100						
07/01/00 Coakley OU-2 20 yr		652,330											
Principal-Last Pmt FY 20		20 YR	32,617	32,617	32,617	32,617	32,617	32,617					
Interest-State recalculated interest starting in FY 15 saving \$14,961			1,663	1,331	998	665	333						
12/14/11 11 Improvements	1.91%	6,400,000											
Principal-Last Pmt FY 22		10 YR	640,000	640,000	640,000	640,000	640,000	640,000	640,000				
Interest			169,600	137,600	112,000	96,000	76,800	48,000	16,000				
06/27/13 13 Improvements	1.69%	2,267,000											
Principal-Last Pmt FY 23		10 YR	230,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000			
Interest			54,150	47,250	40,500	33,750	27,000	20,250	13,500	6,750			
06/25/14 14 Improvements	1.78%	5,750,000											
Principal-Last Pmt FY 24		10 YR	575,000	575,000	575,000	575,000	575,000	575,000	575,000	575,000	575,000		
Interest			241,500	212,750	184,000	155,250	143,750	115,000	86,250	57,500	28,750		
06/23/15 15 Improvements	2.10%	3,475,000											
Principal-Last Pmt FY 25		10 YR	350,000	350,000	350,000	350,000	350,000	345,000	345,000	345,000	345,000	345,000	
Interest			129,164	118,100	104,100	90,100	76,100	62,100	55,200	41,400	27,600	13,800	
06/23/15 Library-Refunded	2.09%	3,685,000											
Principal-Last Pmt FY 26		10 YR	350,000	350,000	350,000	345,000	340,000	340,000	330,000	325,000	320,000	320,000	315,000

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

		FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Interest		77,759	109,850	95,850	81,950	68,250	58,050	49,700	39,875	30,200	19,000	6,300
06/15/08 Fire Station 2 Replacement	3.94%	3,650,000										
Principal-Last Pmt FY 28	20 YR	185,000	185,000	185,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000
Interest		94,175	87,238	80,300	72,900	66,150	58,950	51,750	44,550	37,350	30,060	22,680
06/15/08 Fire Station 2 Land	3.94%	1,300,000										
Principal-Last Pmt FY 28	20 YR	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
Interest		33,800	31,363	28,925	26,325	23,888	21,288	18,688	16,088	13,488	10,855	8,190
06/15/09 Fire Station 2 Replacement	3.84%	1,500,000										
Principal-Last Pmt FY 29	20 YR	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Interest		44,531	40,781	37,031	33,281	29,531	26,906	24,281	21,469	18,656	15,656	12,656
Total General Fund-Gen Gov Issued Debt Principal Due		4,452,905	4,157,905	3,457,905	3,197,905	2,662,617	2,445,000	2,435,000	1,790,000	1,560,000	985,000	635,000
Total General Fund-Gen Gov Issued Debt Interest Due		1,053,473	921,484	756,069	625,454	519,901	410,544	315,369	227,631	156,044	89,371	49,826
Total General Fund-Gen Gov Issued Debt		5,506,378	5,079,390	4,213,974	3,823,359	3,182,518	2,855,544	2,750,369	2,017,631	1,716,044	1,074,371	684,826
Schools												
10/21/14 15 School Building Improvemer	2.09%	375,000										
Principal-Last Pmt FY 18	3 Yr	122,502	125,062	127,436								
Interest		7,838	5,277	2,904								
06/15/08 08 School Building Improvemer	3.46%	500,000										
Principal-Last Pmt FY 18	10 Yr	50,000	50,000	50,000								
Interest		5,750	3,875	2,000								
05/15/10 10 School Building Improvemer	2.48%	500,000										
Principal-Last Pmt FY 20	10 Yr	50,000	50,000	50,000	50,000	50,000						
Interest		10,750	8,750	6,750	4,500	2,250						
06/27/13 13 School Building Improvemer	1.69%	500,000										
Principal-Last Pmt FY 23	10 Yr	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000			
Interest		12,000	10,500	9,000	7,500	6,000	4,500	3,000	1,500			
05/17/12 High School Renovations-Refunding	1.78%	17,325,000										
Principal-Last Pmt FY 23	10 YR	1,770,000	1,745,000	1,720,000	1,700,000	1,690,000	1,680,000	1,665,000	1,650,000			
Interest		509,400	439,100	369,800	301,400	233,600	166,200	99,300	33,000			
06/23/15 15 School Building Improvemer	2.10%	750,000										
Principal-Last Pmt FY 25	10 Yr	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	
Interest		27,867	25,500	22,500	19,500	16,500	13,500	12,000	9,000	6,000	3,000	
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	750,000	750,000	750,000	750,000	750,000
Interest		427,500	397,500	367,500	333,750	300,000	266,250	243,750	219,375	195,000	168,750	142,500
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	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000
Interest		687,656	631,406	586,406	558,281	524,531	473,906	417,656	372,656	338,906	305,156	265,781
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	165,000	165,000	165,000	165,000	165,000
Interest		136,950	128,700	120,450	112,200	108,900	100,650	92,400	84,150	75,900	67,650	59,400
Total General Fund-School Issued Debt Principal Due		4,157,502	4,135,062	4,112,436	3,915,000	3,905,000	3,845,000	3,830,000	3,815,000	2,115,000	2,115,000	2,040,000
Total General Fund-School Issued Debt Interest Due		1,825,710	1,650,608	1,487,310	1,337,131	1,191,781	1,025,006	868,106	719,681	615,806	544,556	467,681
Total General Fund-School Issued Debt		5,983,212	5,785,671	5,599,746	5,252,131	5,096,781	4,870,006	4,698,106	4,534,681	2,730,806	2,659,556	2,507,681
Total General Fund- Issued Debt Principal Due		8,610,407	8,292,967	7,570,341	7,112,905	6,567,617	6,290,000	6,265,000	5,605,000	3,675,000	3,100,000	2,675,000
Total General Fund-Issued Debt Interest Due		2,879,184	2,572,093	2,243,379	1,962,585	1,711,683	1,435,550	1,183,475	947,313	771,850	633,928	517,508

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

	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Total General Fund-Issued Debt	11,489,591	10,865,060	9,813,720	9,075,491	8,279,299	7,725,550	7,448,475	6,552,313	4,446,850	3,733,928	3,192,508
Issued Debt Related Revenues											
GF Use of Unused Bond Proceeds											
GF Coakley Landfill State Aid	(40,096)	(39,087)	(38,077)	(37,067)							
GF Use of Debt Reserve	(1,500,000)	(1,700,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)
GF School Building Aid (High School)	(1,016,222)	(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)	(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)	(451,210)	(451,210)	(451,210)	(451,210)
GF School Building Aid on \$3.3m (Middle School Estimate 35%)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)
Total Issued Debt Related Revenues-General Fund	(3,376,401)	(3,575,392)	(3,374,382)	(3,373,372)	(3,336,305)	(3,336,305)	(3,336,305)	(3,336,305)	(2,320,083)	(2,320,083)	(2,320,083)
Total Net Issued Debt-General Fund	8,113,189	7,289,669	6,439,338	5,702,118	4,942,994	4,389,245	4,112,170	3,216,008	2,126,767	1,413,845	872,425
GENERAL FUND-Projected Future Debt											
	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Allocation to Debt reserve											
Council reduction 06/08/15 anticipation of Library refunding	(40,000)										
Issued and Refunding Difference Budgeted vs actual	78,284										
20 yr 3.75% ELEMENTARY SCHOOL UPGRADES	5,000,000	93,750	432,813	423,438	414,063	404,688	395,313	385,938	376,563	367,188	357,813
<u>Authorized 04/06/15</u>											
5 yr 3.75% FIRE ENGINE #4	600,000	11,250	140,250	135,750	131,250	126,750	122,250				
10 yr 3.75% SCHOOL FACILITIES CAPITAL IMPROVEMENTS	500,000	9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688	52,813
10 yr 3.75% BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION	1,000,000	18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125	109,375	105,625
10 yr 3.75% CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000	15,000	108,500	105,500	102,500	99,500	96,500	93,500	90,500	87,500	84,500
10 yr 3.75% ISLINGTON STREET NEW SIDEWALK	250,000	4,688	33,906	32,969	32,031	31,094	30,156	29,219	28,281	27,344	26,406
10 yr 3.75% MARKET STREET GATEWAY IMPROVEMENTS	550,000	10,313	74,594	72,531	70,469	68,406	66,344	64,281	62,219	60,156	58,094
10 yr 3.75% STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000	56,250	406,875	395,625	384,375	373,125	361,875	350,625	339,375	328,125	316,875
10 yr 3.75% ISLINGTON STREET-STREETScape IMPROVEMENTS	500,000	9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688	52,813
<u>Authorized 08/17/15</u>											
Total FY 16 New Bonding	7,200,000										
5 yr 3.75% FIRE RESCUE #3	400,000	7,500	93,500	90,500	87,500	84,500	81,500				
20 yr 3.75% FIRE STATION THREE REHABILITATION	610,000	11,438	82,731	80,444	78,156	75,869	73,581	71,294	69,006	66,719	64,431
20 yr 3.75% ELEMENTARY SCHOOL UPGRADES	5,000,000	93,750	432,813	423,438	414,063	404,688	395,313	385,938	376,563	367,188	357,813
10 yr 3.75% CHESTNUT AREA IMPROVEMENTS	200,000	3,750	27,125	26,375	25,625	24,875	24,125	23,375	22,625	21,875	21,125

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

		<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
10 yr 3.75%	MULTI-PURPOSE RECREATION FIELD (FMR. STUMP DUMP)	1,750,000	54,250	237,344	230,781	224,219	217,656	211,094	204,531	197,969	191,406	184,844
10 yr 3.75%	OUTDOOR POOL UPGRADES	500,000	9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688	52,813
10 yr 3.75%	CITYWIDE FACILITIES CAPITAL IMPROVEMENTS	1,000,000	18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125	109,375	105,625
10 yr 3.75%	MCDONOUGH ST AREA IMPROVEMENTS	400,000	7,500	54,250	52,750	51,250	49,750	48,250	46,750	45,250	43,750	42,250
10 yr 3.75%	PEASE ROADWAY IMPROVEMENTS	2,500,000	46,875	339,063	329,688	320,313	310,938	301,563	292,188	282,813	273,438	264,063
10 yr 3.75%	BANFIELD ROAD IMPROVEMENTS	500,000	9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688	52,813
	Total FY 17 New Bonding	12,860,000										
20 yr 3.75%	ELEMENTARY SCHOOL UPGRADES	5,000,000		93,750	432,813	423,438	414,063	404,688	395,313	385,938	376,563	367,188
10 yr 3.75%	RECREATION STUDY: NEW FIELD CONSTRUCTION	1,000,000		18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125	109,375
10 yr 3.75%	MAPLEWOOD AVE COMPLETE STREET	750,000		14,063	101,719	98,906	96,094	93,281	90,469	87,656	84,844	82,031
10 yr 3.75%	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000		15,000	108,500	105,500	102,500	99,500	96,500	93,500	90,500	87,500
10 yr 3.75%	NORTH POND MULTI USE PATH	1,500,000		28,125	203,438	197,813	192,188	186,563	180,938	175,313	169,688	164,063
10 yr 3.75%	NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMEN	500,000		9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688
10 yr 3.75%	MARKET STREET GATEWAY IMPROVEMENTS	550,000		10,313	74,594	72,531	70,469	68,406	66,344	64,281	62,219	60,156
10 yr 3.75%	STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000		56,250	406,875	395,625	384,375	373,125	361,875	350,625	339,375	328,125
10 yr 3.75%	ISLINGTON STREET-STREETScape IMPROVEMENTS	2,500,000		46,875	339,063	329,688	320,313	310,938	301,563	292,188	282,813	273,438
10 yr 3.75%	PEVERLY HILL ROAD IMPROVEMENTS	1,000,000		18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125	109,375
	Total FY 18 New Bonding	16,600,000										
5 yr 3.75%	FIRE ENGINE #6	600,000			11,250	140,250	135,750	131,250	126,750	122,250		
10 yr 3.75%	SCHOOL FACILITIES CAPITAL IMPROVEMENTS	500,000			9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563
20 yr 3.75%	ELEMENTARY SCHOOL UPGRADES	5,000,000			93,750	432,813	423,438	414,063	404,688	395,313	385,938	376,563
10 yr 3.75%	RECREATION STUDY: NEW FIELD CONSTRUCTION	1,000,000			18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125
10 yr 3.75%	RECYCLING & SOLID WASTE TRANSFER STATION	1,000,000			18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125
10 yr 3.75%	MARKET SQUARE UPGRADES	1,000,000			18,750	135,625	131,875	128,125	124,375	120,625	116,875	113,125
	Total FY 19 New Bonding	9,100,000										
20 yr 3.75%	POLICE STATION	10,000,000				187,500	865,625	846,875	828,125	809,375	790,625	771,875
10 yr 3.75%	CITYWIDE FACILITIES CAPITAL IMPROVEMENTS	1,000,000				18,750	135,625	131,875	128,125	124,375	120,625	116,875
10 yr 3.75%	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000				15,000	108,500	105,500	102,500	99,500	96,500	93,500
10 yr 3.75%	STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000				56,250	406,875	395,625	384,375	373,125	361,875	350,625
10 yr 3.75%	PEASE-ROADWAY REHABILITATIONS	750,000				18,750	135,625	131,875	128,125	124,375	120,625	116,875

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

	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Total FY 20 New Bonding	15,550,000										
10 yr 3.75% FIRE LADDER #2	1,000,000					18,750	135,625	131,875	128,125	124,375	120,625
20 yr 3.75% INDOOR RECREATION FACILITY	2,000,000					37,500	271,250	263,750	256,250	248,750	241,250
10 yr 3.75% PUBLIC SAFETY RECRODS MGT/COMPUTER AIDED DIS	500,000					9,375	116,875	113,125	109,375	105,625	101,875
10 yr 3.75% LAFAYETTE RD/ANDREW JARVIS INTERSECTION	750,000					14,063	101,719	98,906	96,094	93,281	90,469
10 yr 3.75% PEIRCE ISLAND BRIDGE REPLACEMENT	1,600,000					30,000	217,000	211,000	205,000	199,000	193,000
10 yr 3.75% JUNKINS AVENUE	1,100,000					20,625	149,188	145,063	140,938	136,813	132,688
Total FY 21 New Bonding	6,950,000										
10 yr 3.75% SCHOOL FACILITIES CAPITAL IMPROVEMENTS	500,000						9,375	67,813	65,938	64,063	62,188
10 yr 3.75% OUTDOOR POOL UPGRADES	400,000						7,500	54,250	52,750	51,250	49,750
10 yr 3.75% CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000						15,000	108,500	105,500	102,500	99,500
10 yr 3.75% ELWYN RD AREA BIKE AND PED IMPROVEMENTS	980,000						18,375	132,913	129,238	125,563	121,888
10 yr 3.75% STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000						56,250	406,875	395,625	384,375	373,125
10 yr 3.75% PEASE-ROADWAY REHABILITATIONS	750,000						18,750	135,625	131,875	128,125	124,375
10 yr 3.75% MAPLEWOOD AVE CULVERT REPLACEMENT	3,800,000						71,250	515,375	501,125	486,875	472,625
Total FY 22 New Bonding	10,230,000										
Total Projected Future Debt (FY16-FY22)	78,490,000										
Total General Fund-Projected Future Debt	267,034	1,730,750	3,278,888	5,065,350	6,106,875	7,434,338	8,175,081	9,098,644	8,839,556	8,462,719	8,208,131
Future Debt Related Revenues	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Total Future Debt Related Revenues-General Fund	-	-	-	-	-	-	-	-	-	-	-
Total Net Projected Future Debt-General Fund	267,034	1,730,750	3,278,888	5,065,350	6,106,875	7,434,338	8,175,081	9,098,644	8,839,556	8,462,719	8,208,131
Total Gross Issued and Projected Debt-General Fund	11,756,625	12,595,810	13,092,608	14,140,841	14,386,174	15,159,888	15,623,556	15,650,956	13,286,406	12,196,646	11,400,639
Total Debt Related Revenues Actual and Projected	(3,376,401)	(3,575,392)	(3,374,382)	(3,373,372)	(3,336,305)	(3,336,305)	(3,336,305)	(3,336,305)	(2,320,083)	(2,320,083)	(2,320,083)
Total Net Issued and Projected Debt-General Fund	8,380,223	9,020,419	9,718,226	10,767,468	11,049,869	11,823,583	12,287,251	12,314,651	10,966,323	9,876,563	9,080,556

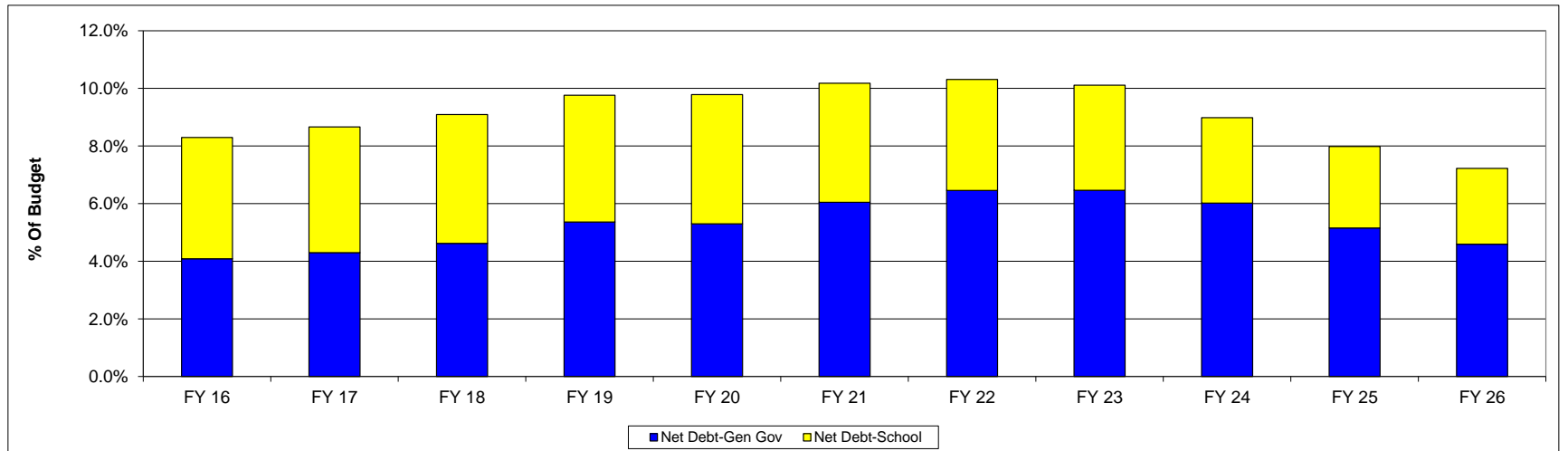
GENERAL FUND

**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 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Total Gen Fund Without Debt Service (increase 2.50% in FY 16 and beyond)	89,289,577	91,521,817	93,809,862	96,155,109	98,558,986	101,022,961	103,548,535	106,137,249	108,790,680	111,510,447	114,298,208
Existing Debt Service-School	5,983,212	5,785,671	5,599,746	5,252,131	5,096,781	4,870,006	4,698,106	4,534,681	2,730,806	2,659,556	2,507,681
Existing Debt Service-Gen Gov	5,506,378	5,079,390	4,213,974	3,823,359	3,182,518	2,855,544	2,750,369	2,017,631	1,716,044	1,074,371	684,826
Projected Debt Service-School	103,125	594,375	1,015,938	1,437,500	1,805,000	1,763,750	1,731,875	1,749,063	1,705,938	1,662,813	1,619,688
Projected Debt Service-Gen Gov	163,909	1,136,375	2,262,950	3,627,850	4,301,875	5,670,588	6,443,206	7,349,581	7,133,619	6,799,906	6,588,444
Total Gross Debt Service	11,756,625	12,595,810	13,092,608	14,140,841	14,386,174	15,159,888	15,623,556	15,650,956	13,286,406	12,196,646	11,400,639
Debt Service Related Revenues-Schools	(1,836,305)	(1,836,305)	(1,836,305)	(1,836,305)	(1,836,305)	(1,836,305)	(1,836,305)	(1,836,305)	(820,083)	(820,083)	(820,083)
Debt Service Related Revenues-Gen Gov	(1,540,096)	(1,739,087)	(1,538,077)	(1,537,067)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)
Net Debt-School	4,250,032	4,543,741	4,779,378	4,853,326	5,065,476	4,797,451	4,593,676	4,447,439	3,616,661	3,502,286	3,307,286
Net Debt-Gen Gov	4,130,191	4,476,678	4,938,847	5,914,142	5,984,393	7,026,131	7,693,575	7,867,213	7,349,663	6,374,278	5,773,270
Total Net Debt	8,380,223	9,020,419	9,718,226	10,767,468	11,049,869	11,823,583	12,287,251	12,314,651	10,966,323	9,876,563	9,080,556
Total Projected General Fund Budget	101,046,202	104,117,627	106,902,470	110,295,949	112,945,161	116,182,849	119,172,091	121,788,205	122,077,086	123,707,093	125,698,847
Percentage Net Debt-School of Budget	4.21%	4.36%	4.47%	4.40%	4.48%	4.13%	3.85%	3.65%	2.96%	2.83%	2.63%
Percentage Net Debt-Gen Gov of Budget	4.09%	4.30%	4.62%	5.36%	5.30%	6.05%	6.46%	6.46%	6.02%	5.15%	4.59%
Total Percentage Net Debt Service of Budget:	8.29%	8.66%	9.09%	9.76%	9.78%	10.18%	10.31%	10.11%	8.98%	7.98%	7.22%



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

	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
<u>ISSUED DEBT</u>											
<u>PARKING/TRANSPORTATION FUND-Issued Debt</u>	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Total Parking/Trans Fund Issued Debt Principal Due	-	-	-	-	-	-	-	-	-	-	-
Total Parking/Trans Fund Issued Debt Interest Due	-	-	-	-	-	-	-	-	-	-	-
Total Parking/TransFund-Issued Debt	-	-	-	-	-	-	-	-	-	-	-
<u>PROJECTED FUTURE DEBT:</u>											
<u>PARKING/TRANSPORTATION FUND- Projected Future Debt</u>	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
20 yr 3.50% PARKING FACILITY - DOWNTOWN LOCATION 23,200,000		169,925	232,000	1,972,000	1,931,400	1,890,800	1,850,200	1,809,600	1,769,000	1,728,400	1,687,800
Authorized 05/04/15											
HIGH HANOVER UPGRADES 5,000,000				93,750	678,125	659,375	640,625	621,875	603,125	584,375	565,625
Total Parking/Transportation Fund-Projected Future Debt	-	169,925	232,000	2,065,750	2,609,525	2,550,175	2,490,825	2,431,475	2,372,125	2,312,775	2,253,425
<u>Future Debt Related Revenues</u>	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
Total Future Debt Related Revenues-Parking/Transportation Fund	-	-	-	-	-	-	-	-	-	-	-
Total Net Projected Future Debt-Parking/Transportation Fund	-	169,925	232,000	2,065,750	2,609,525	2,550,175	2,490,825	2,431,475	2,372,125	2,312,775	2,253,425
Total Net Issued and Projected Debt-Parking/Transportation Fund	-	169,925	232,000	2,065,750	2,609,525	2,550,175	2,490,825	2,431,475	2,372,125	2,312,775	2,253,425

WATER FUND

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

	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
<u>ISSUED DEBT</u>											
<u>WATER FUND-Issued Debt</u>											
<u>05/15/02 Upgrade Motor Control Center</u>	<u>3.98%</u>	<u>300,000</u>									
Principal-Last Pmt FY 22			15,000	15,000	15,000	15,000	15,000	15,000			
Interest			4,175	3,579	2,982	2,386	1,790	1,193	597		
<u>05/15/02 Corrosion Control Program</u>	<u>3.80%</u>	<u>288,000</u>									
Principal-Last Pmt FY 22			14,400	14,400	14,400	14,400	14,400	14,400			
Interest			3,831	3,284	2,736	2,189	1,642	1,095	548		
<u>11/01/02 Constitution Avenue</u>	<u>3.70%</u>	<u>4,800,000</u>									
Principal-Last Pmt FY 23			240,000	240,000	240,000	240,000	240,000	240,000	240,000		
Interest			71,117	62,228	53,338	44,448	35,559	26,669	17,780	8,890	
<u>12/01/02 Spinney Tank</u>	<u>3.73%</u>	<u>1,162,560</u>									
Principal-Last Pmt FY 23			58,128	58,128	58,128	58,128	58,128	58,128	58,128		
Interest			17,337	15,170	13,003	10,836	8,669	6,502	4,335	2,168	
<u>06/01/08 Madbury Treatment Plant-Desi</u>	<u>2.49%</u>	<u>2,000,000</u>									
Principal-Last Pmt FY 28			100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Interest			45,344	41,856	38,368	34,880	31,392	27,904	24,416	20,928	17,440
<u>01/15/09 Madbury Treatment Plant</u>	<u>3.85%</u>	<u>16,000,000</u>									
Principal-Last Pmt FY 29			845,000	845,000	845,000	840,000	840,000	840,000	840,000	840,000	840,000
Interest			499,500	457,250	415,000	372,750	330,750	301,350	271,950	240,450	208,950
<u>02/01/12 Madbury Treatment Plant</u>	<u>2.72%</u>	<u>5,000,000</u>									
Principal-Last Pmt FY 32			250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Interest			115,600	108,800	102,000	95,200	88,400	81,600	74,800	68,000	61,200
<u>06/25/14 Hobbs Hill Water Tank</u>	<u>2.87%</u>	<u>3,500,000</u>									
Principal-Last Pmt FY 34			175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
Interest			145,250	136,500	127,750	119,000	115,500	106,750	98,000	89,250	80,500
<u>06/23/15 FY 15 Water Improvements</u>	<u>2.99%</u>	<u>4,800,000</u>									
Principal-Last Pmt FY 35			240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000
Interest			164,267	158,400	148,800	139,200	129,600	120,000	115,200	105,600	96,000
Total Water Fund Issued Debt Principal Due			1,937,528	1,937,528	1,937,528	1,932,528	1,932,528	1,932,528	1,903,128	1,605,000	1,605,000
Total Water Fund Issued Debt Interest Due			1,066,421	987,067	903,977	820,889	743,302	673,063	607,626	535,286	464,090
Total Water Fund-Issued Debt			3,003,949	2,924,595	2,841,505	2,753,417	2,675,830	2,605,591	2,540,154	2,438,414	2,069,090
										2,006,852	1,945,214

WATER FUND

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

PROJECTED FUTURE DEBT:

			<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
<u>WATER FUND-Projected Future Debt</u>													
	Issued Difference Budgeted vs actual		15,733										
20 yr	FY16-Stage Two Disinfection By-Prod	3.75%	2,400,000 (3,600,000)	315,000	308,250	301,500	294,750	288,000	281,250	274,500	267,750	261,000	254,250
20 yr	FY16-Water System Pressure and Stc	3.75%	500,000	43,750	42,813	41,875	40,938	40,000	39,063	38,125	37,188	36,250	35,313
	Authorized 08/17/15												
20 yr	FY16-New Castle Water Lines Improv	3.75%	3,000,000	56,250	109,688	104,063	98,438	92,813	87,188	81,563	75,938	70,313	64,688
20 yr	FY17-Annual Waterline Replacement	3.75%	1,500,000	28,125	129,844	127,031	124,219	121,406	118,594	115,781	112,969	110,156	107,344
20 yr	FY17-Water System Pressure and Stc	3.75%	750,000	14,063	64,922	63,516	62,109	60,703	59,297	57,891	56,484	55,078	53,672
20 yr	FY18-Annual Waterline Replacement	3.75%	2,000,000		37,500	173,125	169,375	165,625	161,875	158,125	154,375	150,625	146,875
20 yr	FY18-Water System Pressure and Stc	3.75%	500,000		9,375	43,281	42,344	41,406	40,469	39,531	38,594	37,656	36,719
20 yr	FY20-Reservoir Management	3.75%	500,000				9,375	43,281	42,344	41,406	40,469	39,531	38,594
	Total Projected		8,750,000										
Total Water Fund-Projected Future Debt			15,733	457,188	702,391	854,391	841,547	853,234	830,078	806,922	783,766	760,609	737,453
Total Issued and Projected Debt Water Fund			3,019,682	3,381,783	3,543,896	3,607,808	3,517,377	3,458,825	3,370,232	3,245,336	2,852,856	2,767,461	2,682,667

SEWER FUND

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

	<u>FY 16</u>	<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>	<u>FY 24</u>	<u>FY 25</u>	<u>FY 26</u>
ISSUED DEBT											
SEWER FUND-Issued Debt											
12/21/00 Pease WWTP	6,586,836										
Principal-Last Pmt FY 20	321,450	321,450	321,450	321,450	321,450	321,450					
Interest-State recalculated interest starting in FY 15 total saving \$226,950	16,394	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	246,568				
Interest-State recalculated interest starting in FY 15 total saving \$197,808	23,473	20,120	16,767	13,413	10,060	6,707	3,353				
09/12/12 SSES - State Street	1.94%	1,500,000									
Principal-Last Pmt FY 23	150,043	150,043	150,043	150,043	150,043	150,043	150,043				
Interest-State recalculated interest starting in FY 15 total saving \$27,268	14,284	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	444,905	444,905	444,905	444,905	444,905
Interest-State recalculated interest starting in FY 15 total saving \$504,176	83,197	74,878	66,558	58,238	49,918	41,599	33,279	24,959	16,639	8,320	
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	275,407	275,407	275,407	275,407	275,407
Interest-State recalculated interest starting in FY 15 total saving \$306,168	85,211	78,656	72,102	65,547	58,992	52,437	45,883	39,328	32,773	26,219	19,664
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	34,428	34,428	34,428	34,428	34,428
Interest-State recalculated interest starting in FY 15 total saving \$36,048	10,652	9,833	9,013	8,194	7,375	6,555	5,736	4,916	4,097	3,278	2,458
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	53,486	53,486	53,486	53,486	53,486
Interest-State recalculated interest starting in FY 15 total saving \$25,456	20,731	19,349	17,967	16,585	15,203	13,821	12,439	11,057	9,674	8,292	6,910
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	50,000	50,000	50,000	50,000	50,000
Interest-State recalculated interest starting in FY 15 total saving \$24,288	19,380	18,088	16,796	15,504	14,212	12,920	11,628	10,336	9,044	7,752	6,460
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	264,512	264,512	264,512	264,512	264,512
Interest-State recalculated interest starting in FY 15 total saving \$191,222	110,799	103,874	96,949	90,024	83,099	76,174	69,249	62,324	55,399	48,474	41,549
12/14/11 P.I.W.W.T.P. Prel. Eng and LTCP Imp	3.00%	3,000,000									
Principal-Last Pmt FY 32	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Interest	91,688	84,188	78,188	74,438	69,938	63,188	55,688	49,688	45,188	40,688	35,438
03/19/12 LTCP Contract #3B and Cass St Area	2.31%	8,000,000									
Principal-Last Pmt FY 32	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
Interest	218,500	202,500	186,500	170,500	154,500	138,500	122,500	106,500	94,500	86,000	76,750
06/27/13 LTCP Contract #3C Lincoln Area	2.66%	3,929,000									
Principal-Last Pmt FY 33	200,000	200,000	200,000	195,000	195,000	195,000	195,000	195,000	195,000	195,000	195,000
Interest	107,310	101,310	95,310	89,310	83,460	77,610	71,760	65,910	60,060	54,210	48,360
06/01/14 LTCP Contract #3C	2.38%	5,595,874									
Principal-Last Pmt FY 33	279,794	279,794	279,794	279,794	279,794	279,794	279,794	279,794	279,794	279,794	279,794
Interest	168,816	159,438	150,059	140,680	131,302	121,923	112,544	103,166	93,787	84,408	75,029
06/25/14 Peirce Island WWTP	2.87%	10,000,000									
Principal-Last Pmt FY 34	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
Interest	415,000	390,000	365,000	340,000	330,000	305,000	280,000	255,000	230,000	205,000	180,000
06/25/14 Pease WWTP	2.87%	3,500,000									
Principal-Last Pmt FY 34	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
Interest	145,250	136,500	127,750	119,000	115,500	106,750	98,000	89,250	80,500	71,750	63,000
06/23/15 Pease WWTP	2.99%	1,000,000									
Principal-Last Pmt FY 35	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Interest	34,222	33,000	31,000	29,000	27,000	25,000	24,000	22,000	20,000	18,000	16,000
Total Interest savings from State recalculation FY 15 - FY 31	\$1,539,384										
Total Sewer Fund Issued Debt Principal Due	3,595,593	3,595,593	3,595,593	3,590,593	3,590,593	3,269,142	3,269,142	2,872,531	2,872,531	2,872,531	2,427,626

SEWER FUND

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

Total Sewer Fund Issued Debt Interest Due			1,564,907	1,457,091	1,349,997	1,245,153	1,159,958	1,052,264	948,099	844,433	751,662	662,391	571,619
Total Sewer Fund-Issued Debt			5,160,500	5,052,684	4,945,590	4,835,745	4,750,551	4,321,407	4,217,241	3,716,965	3,624,193	3,534,922	2,999,245
Issued Debt Related Revenues			FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
SEWER	Pease WWTP-State Aid		(111,897)	(107,814)	(103,730)	(99,646)	(95,563)						
SEWER	Pease Development Authority		(142,246)	(137,054)	(131,863)	(126,672)	(121,481)						
SEWER	Phase I-State Aid		(93,363)	(90,459)	(87,556)	(84,652)	(81,748)	(78,844)	(75,940)				
SEWER	Phase 2-State Aid		(182,696)	(177,774)	(172,851)	(167,928)	(163,006)	(158,093)	(153,161)	(148,238)	(143,316)	(138,393)	
Total Issued Debt Related Revenues-Sewer Fund			(530,202)	(513,101)	(496,000)	(478,898)	(461,798)	(236,937)	(229,101)	(148,238)	(143,316)	(138,393)	-
Total Net Issued Debt-Sewer Fund			4,630,298	4,539,583	4,449,590	4,356,847	4,288,753	4,084,470	3,988,140	3,568,727	3,480,877	3,396,529	2,999,245
SEWER FUND-Projected Future Debt			FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
20 yr	FY15-Fleet Street Utilities Upgrade	3.75%	500,000	68,750	66,875	65,000	63,125	61,250	59,375	57,500	55,625	53,750	51,875
20 yr	FY15-Lafayette Rd Pumping Stator	3.75%	500,000	68,750	66,875	65,000	63,125	61,250	59,375	57,500	55,625	53,750	51,875
20 yr	FY16-Lafayette Rd Pumping Stator	3.75%	3,000,000	262,500	256,875	251,250	245,625	240,000	234,375	228,750	223,125	217,500	211,875
Authorized 08/17/15													
20 yr	FY17-P.I.W.W.T.P. Upgrades	3.75%	75,000,000	388,765	421,084	362,839	476,114	5,059,807	5,289,885	5,198,970	5,108,055	5,017,140	4,926,225
10 yr	FY17-Goose Bay Drive Sewer	3.75%	500,000	9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688	52,813
10 yr	FY18-Union Street Sewer	3.75%	500,000		9,375	67,813	65,938	64,063	62,188	60,313	58,438	56,563	54,688
20 yr	FY18-Pease WWTP Upgrades	3.75%	5,600,000		105,000	484,750	474,250	463,750	453,250	442,750	432,250	421,750	411,250
20 yr	FY17-Annual Sewer Line Replacem	3.75%	2,500,000	46,875	216,406	211,719	207,031	202,344	197,656	192,969	188,281	183,594	178,906
20 yr	FY18-Annual Sewer Line Replacem	3.75%	2,500,000		46,875	216,406	211,719	207,031	202,344	197,656	192,969	188,281	183,594
10 yr	FY17-Pumping Station Upgrades	3.75%	400,000	7,500	54,250	52,750	51,250	49,750	48,250	46,750	45,250	43,750	42,250
10 yr	FY19-Pumping Station Upgrades	3.75%	400,000			7,500	54,250	52,750	51,250	49,750	48,250	46,750	45,250
10 yr	FY21-Pumping Station Upgrades	3.75%	400,000					7,500	54,250	52,750	51,250	49,750	48,250
20 yr	FY20-Long Term Control Plan	3.75%	3,000,000				56,250	259,688	254,063	248,438	242,813	237,188	231,563
20 yr	FY19-Mechanic St. Pumping Stator	3.75%	8,000,000				150,000	692,500	677,500	662,500	647,500	632,500	617,500
Total Projected			102,800,000										
Total Sewer Fund-Projected Future Debt			-	852,515	1,311,428	1,850,964	2,032,739	6,791,370	7,026,573	6,892,533	6,758,493	6,624,453	6,490,413
Future Debt Related Revenues			FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
No Anticipated Revenues for New Debt			-	-	-	-	-	-	-	-	-	-	-
Total Future Debt Related Revenues-Sewer Fund			-	-	-	-	-	-	-	-	-	-	-
Total Net Projected Future Debt-Sewer Fund			-	852,515	1,311,428	1,850,964	2,032,739	6,791,370	7,026,573	6,892,533	6,758,493	6,624,453	6,490,413
Total Gross Issued and Projected Debt-Sewer			5,160,500	5,905,199	6,257,017	6,686,709	6,783,291	11,112,776	11,243,814	10,609,497	10,382,686	10,159,374	9,489,658
Total Net Issued and Projected Debt-Sewer Fund			4,630,298	5,392,098	5,761,017	6,207,811	6,321,493	10,875,839	11,014,713	10,461,259	10,239,370	10,020,981	9,489,658

**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				Water Fund				Sewer Fund				Total City of Portsmouth				Total	
	Principal	Interest			Principal	Interest			Principal	Interest			Principal	Interest			Principal	Interest			Principal	Interest			Principal/Interest	
FY 17	1	4,157,905	921,484	17%	17%	4,135,062	1,650,608	9%	9%	8,292,967	2,572,093	12%	12%	1,937,528	987,067	7%	7%	3,595,593	1,457,091	8%	8%	13,826,088	5,016,251	10%	10%	18,842,339
FY 18	2	3,457,905	756,069	14%	32%	4,112,436	1,487,310	9%	18%	7,570,341	2,243,379	11%	23%	1,937,528	903,977	7%	15%	3,595,593	1,349,997	8%	15%	13,103,462	4,497,353	9%	19%	17,600,815
FY 19	3	3,197,905	625,454	13%	45%	3,915,000	1,337,131	9%	27%	7,112,905	1,962,585	10%	33%	1,932,528	820,889	7%	22%	3,590,593	1,245,153	8%	23%	12,636,026	4,028,627	9%	28%	16,664,653
FY 20	4	2,662,617	519,901	11%	56%	3,905,000	1,191,781	9%	36%	6,567,617	1,711,683	10%	43%	1,932,528	743,302	7%	30%	3,590,593	1,159,958	8%	31%	12,090,737	3,614,943	9%	36%	15,705,680
FY 21	5	2,445,000	410,544	10%	66%	3,845,000	1,025,006	9%	44%	6,290,000	1,435,550	9%	52%	1,932,528	673,063	7%	37%	3,269,142	1,052,264	7%	38%	11,491,670	3,160,877	8%	45%	14,652,548
FY 22	6	2,435,000	315,369	10%	76%	3,830,000	868,106	9%	53%	6,265,000	1,183,475	9%	61%	1,932,528	607,626	7%	44%	3,269,142	948,099	7%	45%	11,466,670	2,739,200	8%	53%	14,205,870
FY 23	7	1,790,000	227,631	7%	84%	3,815,000	719,681	8%	61%	5,605,000	947,313	8%	69%	1,903,128	535,286	7%	52%	2,872,531	844,433	6%	51%	10,380,659	2,327,032	7%	60%	12,707,691
FY 24	8	1,560,000	156,044	6%	90%	2,115,000	615,806	5%	66%	3,675,000	771,850	5%	75%	1,605,000	464,090	6%	58%	2,872,531	751,662	6%	57%	8,152,531	1,987,602	6%	66%	10,140,133
FY 25	9	985,000	89,371	4%	94%	2,115,000	544,556	5%	71%	3,100,000	633,928	4%	79%	1,605,000	401,852	6%	64%	2,872,531	662,391	6%	63%	7,577,531	1,698,170	5%	71%	9,275,701
FY 26	10	635,000	49,826	3%	97%	2,040,000	467,681	5%	75%	2,675,000	517,508	4%	83%	1,605,000	340,214	6%	70%	2,427,626	571,619	5%	68%	6,707,626	1,429,341	5%	76%	8,136,967
FY 27	11	320,000	30,265	1%	98%	2,040,000	392,400	5%	80%	2,360,000	422,665	3%	86%	1,605,000	278,726	6%	76%	2,427,626	487,980	5%	73%	6,392,626	1,189,371	5%	80%	7,581,997
FY 28	12	320,000	16,788	1%	100%	2,040,000	322,059	5%	84%	2,360,000	338,847	3%	90%	1,605,000	220,288	6%	82%	2,427,626	417,059	5%	79%	6,392,626	976,194	5%	85%	7,368,820
FY 29	13	75,000	3,188	0%	100%	2,040,000	248,663	5%	89%	2,115,000	251,850	3%	93%	1,505,000	160,100	6%	88%	2,117,791	339,201	5%	83%	5,737,791	751,151	4%	89%	6,488,942
FY 30	14					2,040,000	172,688	5%	94%	2,040,000	172,688	3%	96%	665,000	103,400	3%	91%	2,117,791	268,624	5%	88%	4,822,791	544,711	3%	92%	5,367,502
FY 31	15					1,290,000	93,900	3%	96%	1,290,000	93,900	2%	98%	665,000	82,100	3%	93%	2,014,305	197,218	4%	92%	3,969,305	373,218	3%	95%	4,342,524
FY 32	16					1,290,000	42,300	3%	99%	1,290,000	42,300	2%	100%	665,000	60,500	3%	96%	1,749,794	128,050	4%	96%	3,704,794	230,850	3%	98%	3,935,644
FY 33	17					165,000	13,200	0%	100%	165,000	13,200	0%	100%	415,000	38,900	2%	97%	1,199,794	74,806	3%	98%	1,779,794	126,906	1%	99%	1,906,700
FY 34	18					165,000	6,600	0%	100%	165,000	6,600	0%	100%	415,000	23,800	2%	99%	725,000	30,500	2%	100%	1,305,000	60,900	1%	100%	1,365,900
FY 35	19													240,000	8,400	1%	100%	50,000	1,750	0%	100%	290,000	10,150	0%	100%	300,150
FY 36	20																									
FY 37																										
Totals		24,041,332	4,121,934			44,897,498	11,199,478			68,938,830	15,321,412			26,103,296	7,453,580			46,785,604	11,987,855			141,827,730	34,762,847			176,590,577
Revenue		(11,767,041)			(22,119,187)			(33,886,228)										(3,375,984)				(37,262,212)				
Net Debt		12,274,291			22,778,311			35,052,602						26,103,296				43,409,620				104,565,518				

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
Ward	ALL
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 program is a regular replacement schedule for the City’s ambulances. The 2009 Ambulance is scheduled for replacement in FY17. Funds include complete set-up including radio, lettering, striping, and equipment. This is the second half of total funds required for this project.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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%	\$140,000	\$120,000	\$120,000	\$80,000	\$80,000	\$80,000	\$620,000	\$610,000	\$1,230,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$140,000	\$120,000	\$120,000	\$80,000	\$80,000	\$80,000	\$620,000	\$610,000	\$1,230,000

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
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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%		\$180,000					\$180,000	\$0	\$180,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$180,000	\$0	\$0	\$0	\$0	\$180,000	\$0	\$180,000

VE-FD-03: VEHICLE REPLACEMENT – RESCUE 3

Department	Fire Department
Project Location	Station 3
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2017
Ward	ALL
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	
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 commercial chassis rescue body/ support vehicle to replace the 1987 Cheverolet rescue/ support vehicle. Funds include complete set-up including radio, lettering, striping and equipment.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$400,000						\$400,000	\$0	\$400,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
Totals		\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$0	\$400,000

VE-FD-04: VEHICLE REPLACEMENT – FIRE ENGINE 6

Department	Fire Department
Project Location	Station 1
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2019
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$600,000	\$0	\$0	\$0	\$600,000	\$0	\$600,000

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
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%					\$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	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000

VE-FD-06: EQUIPMENT DURABLE MEDICAL EQUIPMENT

Department	Fire Department
Project Location	City-Wide
Project Type	Equipment Acquisition
Commence FY	2017
Ward	ALL
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	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 fund the purchase of durable medical equipment for the department's ambulances. Included is one (1) cardiac monitor/ defibrillator and two (2) chest compression delivery devices. This equipment is vital to the continuance of providing high-quality, critical medical care to the community.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$61,000						\$61,000	\$0	\$61,000
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	\$61,000	\$0	\$0	\$0	\$0	\$0	\$61,000	\$0	\$61,000

VE-CL-07: RECORDS PRESERVATION

Department	City Clerk
Project Location	City Clerk's Vault – City Hall
Project Type	Other (Explained Below)
Commence FY	2017
Ward	ALL
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: Preservation of existing records contained in the City Clerk's Office Vault.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%	\$44,000	\$42,000	\$44,000				\$130,000	\$0	\$130,000
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	\$44,000	\$42,000	\$44,000	\$0	\$0	\$0	\$130,000	\$0	\$130,000

VE-CL-08: REPLACE VOTING BOOTHS

Department	City Clerk
Project Location	City Clerk's Office
Project Type	Equipment
Commence FY	2017
Ward	ALL
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	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



Description: Replacement of all voting booths city wide.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%	\$52,400						\$52,400	\$0	\$52,400
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	\$52,400	\$0	\$0	\$0	\$0	\$0	\$52,400	\$0	\$52,400

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II. BUILDINGS AND INFRASTRUCTURE



BI-FD-01: FIRE STATION THREE RENOVATION

Department	Fire Department
Project Location	Fire District 3
Project Type	Improvements to Existing Facility
Commence FY	2017
Ward	ALL
Priority	A (need 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	
Eligible for Matching Funds with Limited Availability	



Description: This project will replace the 1950's-era fire station to address and improve the following:

- Mechanical/ electrical/ plumbing systems
- Physical building deficiencies including apparatus/ equipment storage
- Regulatory agency deficiencies (ADA, NFPA, FEMA, Local Codes)
- Work environment, including gender separation

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$610,000						\$610,000	\$0	\$610,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$610,000	\$0	\$0	\$0	\$0	\$0	\$610,000	\$0	\$610,000

BI-PD-02: POLICE DEPARTMENT LAND ACQUISITION

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



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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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-03: POLICE DEPARTMENT FACILITY

Department	Police Department
Project Location	To Be Determined
Project Type	New Construction
Commence FY	2020
Ward	ALL
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Police Dept. Facility Study	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	



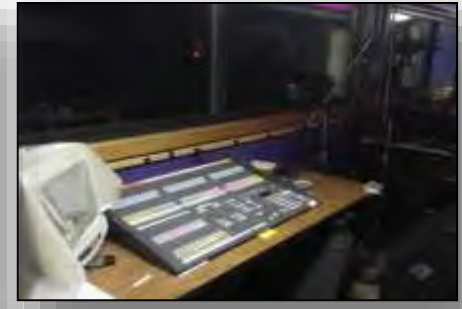
Description: The results of the space needs study conducted in FY14 determined the current facility no longer meets the needs of the Police Department. This project would fund the design and construction of a new facility after a site and conceptual design are complete.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%				\$10,000,000			\$10,000,000	\$0	\$10,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$10,000,000	\$0	\$0	\$10,000,000	\$0	\$10,000,000

BI-SD-04: SCHOOL FACILITIES CAPITAL IMPROVEMENTS

Department	School Department
Project Location	District Wide
Project Type	Rehabilitation of Existing Facilities
Commence FY	On-Going
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$500,000	\$0	\$0	\$500,000	\$1,000,000	\$1,000,000	\$2,000,000

BI-SD-04: 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
	<u>Total High School</u>	<u>\$500,000</u>
TOTAL IMPROVEMENTS		\$500,000

BI-SD-05: ELEMENTARY SCHOOLS UPGRADE

Department	School Department
Project Location	Elementary Schools
Project Type	Rehabilitation of an Existing Facilities
Commence FY	2016
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$5,000,000				\$15,000,000	\$5,000,000	\$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	\$5,000,000	\$0	\$0	\$0	\$15,000,000	\$5,000,000	\$20,000,000

BI-TT-06: 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
Ward	5
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 Prescott Park Trustees are responsible for the care and maintenance of Prescott Park and Four Tree Island. Among the abundant gardens and green space there are a number of historic buildings, access ways, foot paths, plazas, fountains, park furnishings and marine infrastructure that need significant rehabilitation or upgrades. An overall assessment of the Park's capital needs is planned for 2016. Projects requiring funding in the coming years include: various improvements to the Shaw & Sheafe Warehouses, upgrade and replacement of paved surfaces in the park, replacement of perimeter fencing along the waterfront, electrical and lighting rehabilitation, irrigation improvements, and fountain repointing and other improvements.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$480,000	\$335,650	\$815,650
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	\$335,650	\$815,650

BI-CD-07: HISTORIC MARKERS REPLACEMENT PROJECT

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Master Plan 2005	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 forty (40) original markers installed in the 1970s. To date, twenty-two (22) markers have been recreated. Recent markers have included “South Meeting House”, “Frank Jones Hotels” and “Portsmouth Marine Railway,” among others. These funds may also be used to work with partners to make the content available through electronic means including web and other applications.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	80%		\$10,000		\$10,000		\$10,000	\$30,000	\$30,000	\$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	20%	\$5,000		\$5,000		\$5,000		\$15,000	\$0	\$15,000
Totals		\$5,000	\$10,000	\$5,000	\$10,000	\$5,000	\$10,000	\$45,000	\$30,000	\$75,000

BI-CC-08: LAND ACQUISITION

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Master Plan 2005	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. Approximately \$918,654 (unaudited figure) is available in the Conservation Fund; the Conservation Commission makes recommendations to the City Council for expenditures from this source.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$75,000	\$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	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$75,000	\$225,000

BI-CD-09: IMPLEMENTATION OF PEIRCE ISLAND MASTER PLAN

Department	Community Development Department
Project Location	Peirce Island
Project Type	Rehabilitation of Existing Facility
Commence FY	On-Going
Ward	5
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Peirce Island Master Plan 1999	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$200,000	\$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	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$200,000	\$350,000

BI-CD-10: IMPLEMENTATION OF SAGAMORE CREEK PARCEL CONCEPTUAL 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
Ward	5
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Public Undeveloped Lands Assessment 2010	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 approximately sixty-six (66) acres of open space land located along Sagamore Creek between Jones Avenue and the Portsmouth High School. This project would fund the implementation of a master plan that is scheduled to be completed in 2015. The Public Undeveloped Lands Assessment evaluated the Jones Avenue parcel for its important conservation values and found it is valuable for its fringing saltmarsh, community benefit for its existing trail network, high value vernal pool habitat and existing wildlife corridors.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	50%	\$25,000						\$25,000	\$75,000	\$100,000
Fed/ State	25%							\$0	\$50,000	\$50,000
Bond/ Lease	0%							\$0	\$0	\$0
Conservation Fund	25%	\$25,000						\$25,000	\$25,000	\$50,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$150,000	\$200,000

BI-CD-11: CHESTNUT STREET STREETScape IMPROVEMENTS

Department	Community Development Department
Project Location	Chestnut Street between Porter and Congress Streets
Project Type	Rehabilitation of an Existing Facility
Commence FY	2017
Ward	5
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Master Plan 2005 , Wayfinding Analysis 2014	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 is a collaborative effort between the City, The Music Hall, abutting property owners and businesses to beautify and improve Chestnut Street between Porter and Congress Streets. The proposed plan includes new sidewalks and drainage improvements, new granite seating walls, flowering trees and shrubs. Changes to the street surface will improve wayfinding from Congress Street, The Music Hall and the African Burying Ground, and it will meet the City's Master Plan goals of increasing the number of community gathering areas downtown.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	25%	\$200,000						\$200,000	\$0	\$200,000
UDAG	25%	\$200,000						\$200,000	\$0	\$200,000
Revenues	0%							\$0	\$0	\$0
PPP	50%	\$400,000						\$400,000	\$0	\$400,000
	Totals	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	\$0	\$800,000

BI-CD-12: 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
Ward	1
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000	\$100,000	\$125,000

BI-CD-13: 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
Ward	3
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Final Report – Blue Ribbon Senior Committee	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 \$450,000 from the Daniel Street Trust.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$50,000						\$50,000	\$50,000	\$100,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Daniel St Trust	0%							\$0	\$450,000	\$450,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$500,000	\$550,000

BI-CD-14: PARK AND PLAYGROUND IMPROVEMENTS

Department	Community Development Department
Project Location	Various
Project Type	Rehabilitation of an Existing Facility
Commence FY	On-Going
Ward	ALL
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	



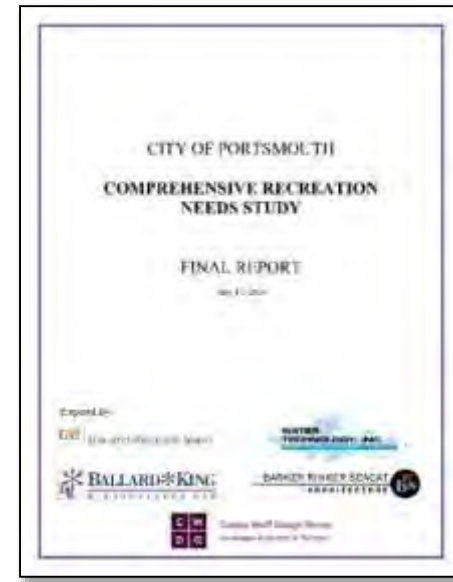
Description: The City has maintained a consistent focus on improving its parks and playgrounds. Previous years' capital funds have contributed to the renovation of all of the City's eleven (11) neighborhood playgrounds. This CIP project ensures funding will permit regular investments to maintain a high level of service into the future.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$50,000	\$100,000	\$50,000	\$100,000	\$50,000	\$100,000	\$450,000	\$525,000	\$975,000
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	\$50,000	\$100,000	\$50,000	\$100,000	\$450,000	\$525,000	\$975,000

BI-CD-15: 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	2021
Ward	To Be Determined
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Moderate

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Comprehensive Recreation Needs Study 2010	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	



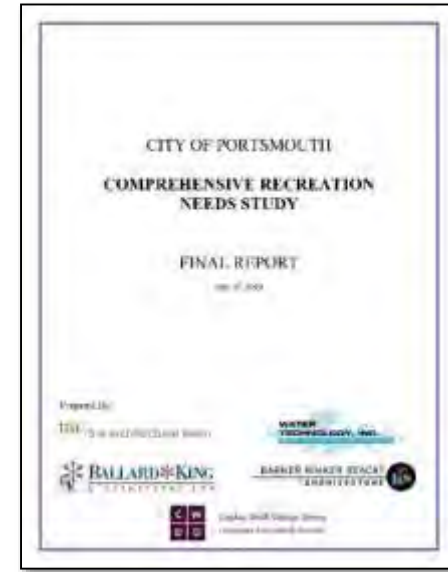
Description: The 2010 Comprehensive Recreation Needs Study found the City's four indoor facilities are programmatically outdated, in need of significant capital improvements and require individuals to travel from one facility to another to participate in all types of indoor recreational programming. 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	8%			\$175,000				\$175,000	\$0	\$175,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	92%					\$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	\$0	\$175,000	\$0	\$2,000,000	\$0	\$2,175,000	\$0	\$2,175,000

BI-CD-16: RECREATION STUDY IMPLEMENTATION – OUTDOOR RECREATION FACILITIES

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Recreation Needs Study (2010)	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: In 2010, the City completed a Comprehensive Recreation Needs Study. Based on demand, the study identified the need for an additional three (3) to four (4) multi-purpose fields, two (2) to three (3) adult softball fields, and improvements to existing fields. The study recommended the creation of a multi-field complex as the “most efficient, useful and cost effective method of increasing field capacity.” Funding is identified for land acquisition and design as well as field development in future years.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	77%		\$1,000,000	\$1,000,000				\$2,000,000	\$0	\$2,000,000
Other	23%	\$600,000						\$600,000	\$0	\$600,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$600,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$2,600,000	\$0	\$2,600,000

BI-CD-17: MULTI-PURPOSE RECREATIONAL FIELD (FORMER STUMP DUMP)

Department	Community Development Department
Project Location	Greenland Road at Islington Street
Project Type	Construction or Expansion of a public facility, street or utility
Commence FY	2016
Ward	3
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Recreation Needs Study 2010	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: The 2010 Recreation Needs Study recommended additional multi-use fields be added to the City's inventory. This project will fulfill a long-held vision for converting the former "stump-dump" facility on Greenland Road into a regulation-sized, multi-purpose, outdoor field with artificial turf. Lighting, associated parking and other amenities are included. This project will also provide parking and trail access for the Hampton Branch trail system as well as access to other passive recreational assets such as the Great Bog.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	88%	\$1,750,000						\$1,750,000	\$0	\$1,750,000
Daniel St trust	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	13%	\$250,000						\$250,000	\$0	\$250,000
	Totals	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

BI-PW-18: RECYCLING & SOLID WASTE TOTES

Department	Public Works
Project Location	All Locations Serviced by DPW Curbside Collection
Project Type	Other (Explained Below)
Commence FY	2018
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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-19: OUTDOOR POOL UPGRADE

Department	Public Works
Project Location	Peirce Island
Project Type	Upgrade Existing Facility
Commence FY	2017
Ward	ALL
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 includes the replacement of the pool gutter system and pool liner. The original pool was constructed in the 1930's and has been renovated a number of times. The existing liner is past the 15 year design life and the concrete gutter is starting to show signs of failure.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$500,000					\$400,000	\$900,000	\$0	\$900,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$500,000	\$0	\$0	\$0	\$0	\$400,000	\$900,000	\$0	\$900,000

BI-PW-20: BLEACHERS/ GRANDSTANDS

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of Existing Facility
Commence FY	On-Going
Ward	ALL
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	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$50,000					\$50,000	\$100,000	\$150,000
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	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$100,000	\$150,000

BI-PW/FED-21: SOUND BARRIERS IN RESIDENTIAL AREAS ALONG I-95

Department	Public Works
Project Location	Interstate 95 Corridor
Project Type	New Construction
Commence FY	2018
Ward	1 and 3
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	14%		\$50,000					\$50,000	\$100,000	\$150,000
Fed/ State	86%		\$600,000					\$600,000	\$300,000	\$900,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$650,000	\$0	\$0	\$0	\$0	\$650,000	\$400,000	\$1,050,000

BI-PW-22: HISTORIC CEMETERY IMPROVEMENTS

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Cemetery Existing Conditions Assessment and Restoration Plan (2013)	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 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	86%	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000	\$130,000	\$370,000
Fed/ State	14%	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	\$0	\$60,000
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	\$132,000	\$432,000

BI-PW-23: CITY-WIDE RETAINING WALLS REPAIRS AND IMPROVEMENTS

Department	Public Works
Project Location	City Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Ward	ALL
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	



Retaining wall collapsing into adjacent building

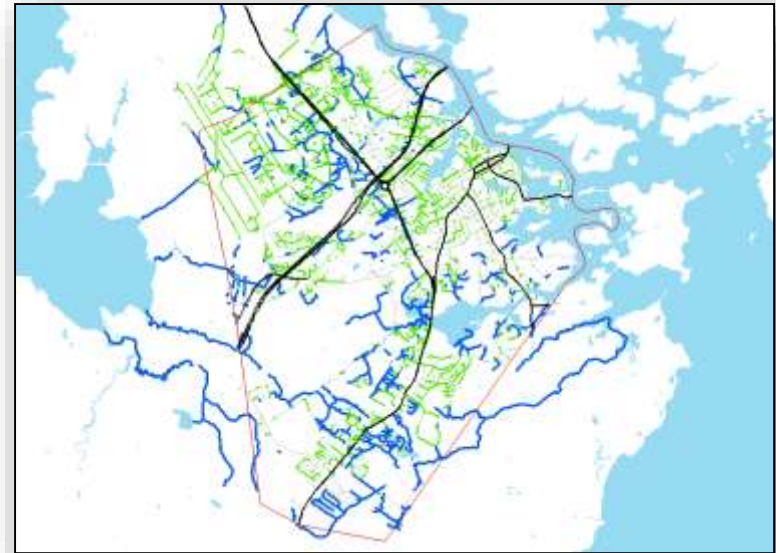
Description: The City owns over thirty (30) retaining walls. This project will consist of repairing retaining walls which are currently failing and at risk of damaging private properties adjacent to them. These walls include areas around the Municipal Complex. The work will include an inventory and condition study of City owned retaining walls, similar to the study done of the City owned seawalls.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$175,000	\$425,000
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	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$175,000	\$425,000

BI-PW-24: CITY-WIDE STORM DRAINAGE IMPROVEMENTS

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Stormwater Master Plan	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000	\$350,000	\$1,550,000
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	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000	\$350,000	\$1,550,000

BI-PW-25: CITY-WIDE FACILITIES CAPITAL IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Ward	ALL
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. Prioritization of projects will be based on each facilities evaluation, to be completed in FY16.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$1,000,000	\$0	\$0	\$1,000,000	\$0	\$0	\$2,000,000	\$2,080,000	\$4,080,000

BI-PW-26: 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	2018
Ward	ALL
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	
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	13%		\$150,000					\$150,000	\$0	\$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	\$150,000	\$1,000,000	\$0	\$0	\$0	\$1,150,000	\$0	\$1,150,000

BI-PW-27: MUNICIPAL COMPLEX STORAGE BUILDING REPLACEMENT

Department	Public Works
Project Location	Municipal Complex
Project Type	New Construction
Commence FY	2019
Ward	ALL
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 involves the replacement of a wooden garage structure that was located next to the heating plant, at the Municipal Complex. The garage structure is original to the property that was acquired by the City and has been demolished. This project will replace the structure with a new building, similar to the design of the original. The new building will have a concrete foundation and floor slab and will accommodate protected dry storage for the various departments located at the Municipal Complex, which is seriously needed.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$75,000	\$75,000	\$50,000			\$200,000	\$50,000	\$250,000
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	\$75,000	\$75,000	\$50,000	\$0	\$0	\$200,000	\$50,000	\$250,000

BI-PW-28: HANOVER PARKING FACILITY – CAPITAL IMPROVEMENTS

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Structural Evaluation, Walker, 2015	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. 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$150,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$5,450,000	\$800,000	\$6,250,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$150,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$5,450,000	\$800,000	\$6,250,000

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
Ward	ALL
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 FY17.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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)	0%	\$406,000	\$326,500	\$370,600	\$355,000	\$392,000	\$435,000	\$2,285,100	\$1,617,750	\$3,902,850
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$406,000	\$326,500	\$370,600	\$355,000	\$392,000	\$435,000	\$2,285,100	\$1,617,750	\$3,902,850

IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Computers/Notebooks

(Costs include installation)

Location	Inventory	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Citywide	102	52				50	52
Public Works	67		37	30			
Library	95	17	45	17	17	17	45
Recreation	11				11		
Police	120	25	25	25	25	25	25
Fire	19			14			
Total Computers	414	94	107	86	53	92	122

<u>Cost of Replacement</u>	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Citywide	\$46,800				\$45,000	\$46,800
Public Works		\$33,300	\$27,000			
Library	\$15,300	\$40,500	\$15,300	\$15,300	\$15,300	\$40,500
Recreation						
Police	\$48,100	\$48,100	\$48,100	\$48,100	\$48,100	\$48,100
Fire			\$12,600			

Computers/Monitors Cost per Year **\$110,200** **\$121,900** **\$103,000** **\$63,400** **\$108,400** **\$135,400**

IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Servers

(Costs include installation and software)

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

<u>Cost of Replacement</u>	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
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						
Servers Cost per Year	\$48,000	\$48,000	\$48,000	\$48,000	\$48,000	\$48,000

IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Other Technology Replacements and Upgrades

Location	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Citywide						
Plotter (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	
WAN Switches (4)		\$10,000	\$10,000			
Content Management System (CMS)	\$80,000					\$80,000
Finance Software/Hardware					\$50,000	
Total City Hall	\$87,000	\$20,000	\$30,000	\$82,000	\$62,000	\$110,000
Public Works						
Network Cameras					\$20,000	
Radios (80)			\$20,000	\$20,000		
WAN Switches (2)			\$10,000			
Total Public Works	\$0	\$0	\$30,000	\$20,000	\$20,000	\$0
Library						
Projectors (1)					\$15,000	
WAN Switches (1)			\$5,000			
Total Library	\$0	\$0	\$5,000	\$0	\$15,000	\$0

IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Other Technology Replacements and Upgrades

Location	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Police						
Radios-portable (154)	\$17,750	\$17,750	\$17,750	\$17,750	\$17,750	\$17,750
Radios-mobile (42)	\$15,600	\$15,600	\$15,600	\$15,600	\$15,600	\$15,600
Printers (68)	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750
CJIS Compliance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Projectors (9)	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Firewalls (4)			\$6,000	\$3,000	\$3,000	\$3,000
Tape back ups (2)		\$3,000		\$3,000		\$3,000
Scanners (14)	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
Total Police	\$49,600	\$52,600	\$55,600	\$55,600	\$52,600	\$55,600
Fire						
Radios- portable (55)	\$16,250	\$16,250	\$16,250	\$16,250	\$16,250	\$16,250
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
Total Fire	\$26,000	\$24,000	\$39,000	\$26,000	\$26,000	\$26,000
School Department						
Wifi Access Points			\$10,000			\$10,000
Classroom LCD Projectors	\$10,000	\$10,000			\$20,000	
VDI Expansion	\$30,000				\$30,000	
Video Distribution Server		\$40,000		\$20,000		
Printers	\$10,000			\$30,000		
LAN Network Switches	\$10,000	\$10,000	\$20,000	\$10,000	\$10,000	\$20,000
WAN Switches (6)			\$30,000			\$30,000
Total School	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Other Technology Replacement/Upgrades Cost per Year	\$222,600	\$156,600	\$219,600	\$243,600	\$235,600	\$251,600

IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Totals by Location

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Citywide	\$165,800	\$52,000	\$62,000	\$114,000	\$139,000	\$188,800
Public Works	\$0	\$33,300	\$57,000	\$20,000	\$20,000	\$0
Library	\$40,500	\$40,500	\$20,300	\$15,300	\$30,300	\$40,500
Recreation	\$0	\$0	\$0	\$0	\$0	\$0
Police	\$113,700	\$116,700	\$119,700	\$119,700	\$116,700	\$119,700
Fire	\$26,000	\$24,000	\$51,600	\$26,000	\$26,000	\$26,000
School	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Total Information Technology Replacement and Upgrades	\$406,000	\$326,500	\$370,600	\$355,000	\$392,000	\$435,000

IS-PD-02: PUBLIC SAFETY RECORDS MGT/COMPUTER AIDED DISPATCH SYSTEM

Department	Police Department
Project Location	To Be Determined
Project Type	Other (explained below)
Commence FY	2021
Ward	ALL
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Minimal



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 which decreases officer productivity, and requires specialized IT capabilities and long lead times for reports and crime analysis challenges.

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

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	

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%					\$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

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
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	28%							\$0	\$147,210	\$147,210
Revenues	72%	\$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	\$164,210	\$524,210

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
Ward	ALL
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).

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$300,000	\$100,000	\$100,000	\$100,000	\$1,050,000	\$650,000	\$1,700,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$300,000	\$300,000	\$100,000	\$100,000	\$100,000	\$1,050,000	\$650,000	\$1,700,000

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
Ward	ALL
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	



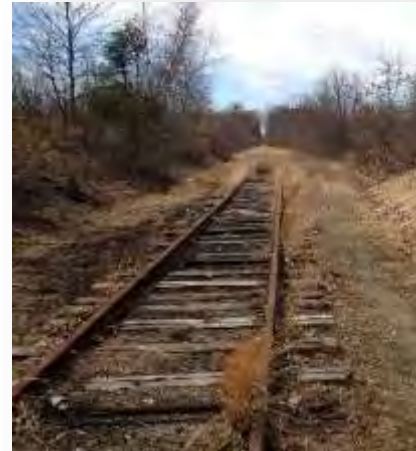
Description: The City’s electronic single-space meters are eleven (11) years-old and beyond their life-expectancy. A multi-space pay station demo was conducted in FY08 on Bow Street, Pleasant Street and the Worth Lot. In FY12 the City’s total number of meters reached sixty (60). One multi-space meter replaces up to 10 parallel parking space meters or up to thirty (30) meters in a parking lot.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$395,000	\$665,000
PPP	0%							\$0	\$0	\$0
	Totals	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$270,000	\$395,000	\$665,000

TSM-CD/NH-04: HAMPTON BRANCH RAIL TRAIL

Department	Planning Department
Project Location	Former Hampton Branch Rail Line
Project Type	New Construction
Commence FY	2016
Ward	2,3
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bicycle and Pedestrian Plan 2014	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. NH-DOT is currently finalizing the acquisition of the right-of-way and expects to start construction in 2016, 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	16%	\$113,000	\$225,000	\$206,000	\$200,000			\$744,000	\$206,000	\$950,000
Fed/ State	75%	\$60,000	\$72,000	\$62,000	\$56,000			\$250,000	\$4,110,000	\$4,360,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	9%	\$90,000	\$108,000	\$93,000	\$84,000			\$375,000	\$165,000	\$540,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$263,000	\$405,000	\$361,000	\$340,000	\$0	\$0	\$1,369,000	\$4,481,000	\$5,850,000

TSM-CD-05: MAPLEWOOD AVENUE 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
Ward	1,2
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bicycle and Pedestrian Plan 2014 , Maplewood Ave Feasibility Needs Study (in development)	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	14%							\$0	\$167,000	\$167,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	64%		\$750,000					\$750,000	\$0	\$750,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP (Portwalk)	21%	\$250,000						\$250,000	\$0	\$250,000
	Totals	\$250,000	\$750,000	\$0	\$0	\$0	\$0	\$1,000,000	\$167,000	\$1,167,000

TSM-CD/NH-06: GOSLING RD PED, BIKE, AND RELATED IMPROVEMENTS

Department	Community Development Department
Project Location	Gosling Road between Woodbury Avenue and Pease Boulevard
Project Type	Construction or Expansion of Facility
Commence FY	2017
Ward	3
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bike and Pedestrian Plan 2014	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	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



Description: This CIP project will fund bicycle, pedestrian, public transit and other improvements for the Pease Boulevard to Woodbury Avenue connection along Gosling Road. The corridor improvements are recommended in the City's 2014 Bicycle and Pedestrian Plan and are intended to increase pedestrian and bike safety as well as access to the COAST and Wildcat Transit bus stop across Gosling Road from a nearby residential area.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	53%		\$200,000					\$200,000	\$0	\$200,000
Fed/ State	47%	\$80,000	\$100,000					\$180,000	\$0	\$180,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$80,000	\$300,000	\$0	\$0	\$0	\$0	\$380,000	\$0	\$380,000

TSM-CD-07: 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
Ward	5
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	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

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$50,000	\$25,000					\$75,000	\$0	\$75,000
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	\$25,000	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000

TSM-PW-08: MARKET SQUARE UPGRADE

Department	Public Works
Project Location	Market Square
Project Type	Upgrade Existing Facilities
Commence FY	2019
Ward	1,5
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bicycle and Pedestrian Plan 2014	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	9%		\$50,000					\$50,000	\$50,000	\$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	\$50,000	\$1,000,000	\$0	\$0	\$0	\$1,050,000	\$50,000	\$1,100,000

TSM-PW-09: SPINNEY ROAD SIDEWALK AND INTERSECTION CONSTRUCTION

Department	Public Works
Project Location	Spinney Road
Project Type	New Construction
Commence FY	2018
Ward	2
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bicycle and Pedestrian Plan 2014	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 and Middle Street. Pedestrians regularly use the street even though it lacks adequate shoulders.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$50,000					\$50,000	\$225,000	\$275,000
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	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$225,000	\$275,000

TSM-PW-10: NORTH POND MULTI-USE PATH

Department	Public Works
Project Location	North Mill Pond Shoreline Market St to Barlett St.
Project Type	Construction or expansion of public facility
Commence FY	2017
Ward	1,2
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bike and Pedestrian Plan 2014	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	



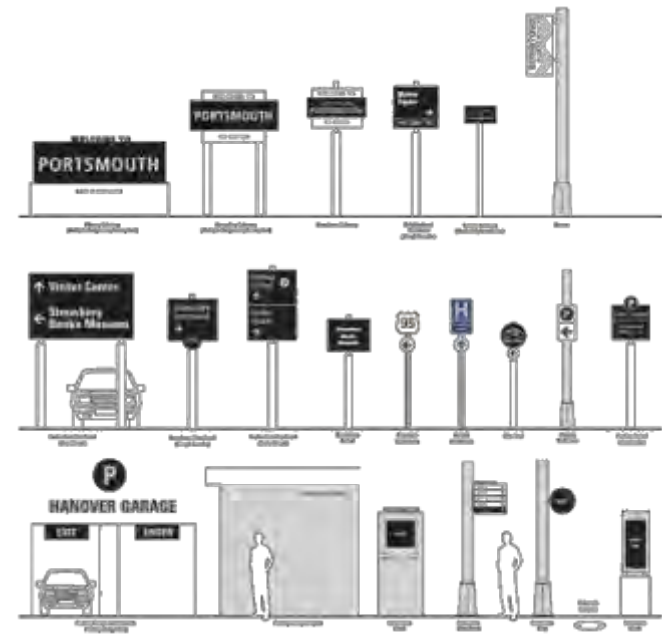
Description: The North Mill Pond Multi-Use Path would be a paved path for use by bicycles and pedestrians extending from Market Street to Bartlett Street, with a brief on-road connection on Maplewood Ave. As proposed, the path would be a minimum of ten-feet (10') wide and two-feet (2') of clear space on either side. On the Bartlett Street end, to avoid conflicts with access to the Ricci Lumber parking and storage areas, a boardwalk along the edge of the Pond is proposed.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	4%	\$100,000						\$100,000	\$0	\$100,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	64%		\$1,500,000					\$1,500,000	\$0	\$1,500,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	32%		\$750,000					\$750,000	\$0	\$750,000
	Totals	\$100,000	\$2,250,000	\$0	\$0	\$0	\$0	\$2,350,000	\$0	\$2,350,000

TSM-PW-11: BIKE/PEDESTRIAN – WAYFINDING SYSTEM

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Master Plan 2005 , Wayfinding Analysis 2014	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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-12: CITY-WIDE SIDEWALK RECONSTRUCTION PROGRAM

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



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Sidewalk Condition Index 2015	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	

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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$800,000	\$0	\$800,000	\$0	\$800,000	\$2,400,000	\$2,200,000	\$4,600,000

TSM-PW-12: City-Wide Sidewalk Reconstruction Program

PROPOSED CAPITAL IMPROVEMENTS-SIDEWALKS

Fiscal Years 2018 and 2019

PROPOSED CAPITAL IMPROVEMENTS - EXISTING SIDEWALKS

<u>Sidewalk</u>	<u>Cost</u>
Colonial Dr Area	\$200,000
Woodbury Ave (Market to Gosling)	\$150,000
Bartlett St	\$50,000
Willard Ave	\$30,000
Lafayette (Andrew Jarvis to South)	\$50,000
Thornton St	\$50,000
Clinton	\$50,000
Suzanne Dr	\$150,000
Miscellaneous	\$70,000
<hr/>	
TOTAL IMPROVEMENTS	\$800,000

TSM-PW/NH-13: US ROUTE 1 NEW SIDEPATH CONSTRUCTION

Department	Public Works
Project Location	US Route 1 from Andrew Jarvis to Elwyn Dr
Project Type	New Construction
Commence FY	2020
Ward	3,4,5
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Minimal



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bicycle and Pedestrian Plan 2014	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 to fourteen feet (10-14 ft) sidepaths on each side of road in available NHDOT Right-Of-Way. This will be a phased project, the first phase of which will extend from the intersection of Andrew Jarvis Dr to Elwyn Rd. 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	20%		\$36,000	\$50,000	\$50,000	\$205,000		\$341,000	\$0	\$341,000
Fed/ State	80%						\$1,365,000	\$1,365,000	\$0	\$1,365,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$36,000	\$50,000	\$50,000	\$205,000	\$1,365,000	\$1,706,000	\$0	\$1,706,000

TSM-PW/NH-14: US ROUTE 1 CROSSWALKS AND SIGNALS

Department	Public Works
Project Location	US Route 1 Lafayette Rd from US Route 1 Bypass to Rye town line
Project Type	Construction or expansion of a public facility, street or utility
Commence FY	2020
Ward	3,4,5
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Bicycle and Pedestrian Plan 2014	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$17,000	\$25,500			\$205,000	\$247,500	\$0	\$247,500
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP (Walmart)	0%							\$0	\$500,000	\$500,000
	Totals	\$0	\$17,000	\$25,500	\$0	\$0	\$205,000	\$247,500	\$500,000	\$747,500

TSM-PW-15: 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	2020
Ward	4
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bicycle and Pedestrian Plan 2014	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	20%		\$98,000			\$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	\$0	\$98,000	\$0	\$0	\$150,000	\$980,000	\$1,228,000	\$0	\$1,228,000

TSM-PW-16: AT-GRADE RR CROSSINGS

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a Facility
Commence FY	2017
Ward	1
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: In 1999, the New Hampshire DOT approached the City and Guilford Railway Systems (Now Pan Am Railways) regarding the need to upgrade the railroad crossing on Market Street near its intersection with Russell Street. This hazard elimination project, which is included in the RPC Long Range Plan, includes upgrade of the rail, the roadway approaches, drainage improvements, and the need for protective devices at the crossing. Guilford has since upgraded the rail portion of the work. A portion of the local match has been appropriated in previous programs. This project is in addition to the at-grade railroad crossing projects for Barberry Lane, Gosling Road, Green Street, Maplewood Avenue, and Michael Succi Drive that are currently underway.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	10%	\$30,000						\$30,000	\$153,800	\$183,800
Fed/ State	90%	\$270,000						\$270,000	\$1,384,200	\$1,654,200
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$1,538,000	\$1,838,000

TSM-PW-17: CITY-WIDE TRAFFIC SIGNAL UPGRADE PROGRAM

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Infrastructure
Commence FY	On-Going
Ward	ALL
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 at Miller

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	\$575,000	\$1,175,000
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	\$575,000	\$1,175,000

TSM-PW-18: CITY-WIDE INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Ward	ALL
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 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$300,000	\$250,000	\$550,000

TSM-PW-19: WOODBURY/MARKET ST INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	Woodbury Ave & Market Street Intersection
Project Type	Construction or expansion of public street
Commence FY	2018
Ward	1
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	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 in conjunction with the Woodbury Ave Signal Coordination and Upgrade CMAQ grant. The project will create pedestrian refuge areas in this intersection. Pedestrian refuge islands are particularly suitable for wide two-way streets with four 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. All of the existing pedestrian ramps and signals would also get upgraded.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%		\$219,000					\$219,000	\$0	\$219,000
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	\$219,000	\$0	\$0	\$0	\$0	\$219,000	\$0	\$219,000

TSM-PW-20: LAFAYETTE/ANDREW JARVIS INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	Lafayette Road
Project Type	Construction or Expansion of Street
Commence FY	2021
Ward	4,5
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 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	



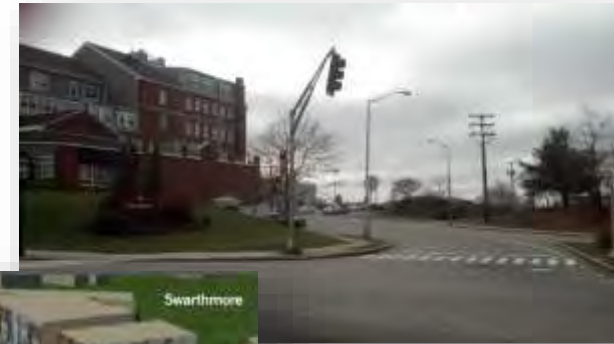
Description: Construction of improvements to intersection, including signalization of intersection, widening Andrew Jarvis Drive to provide separate left and right turn lanes, widening Lafayette Road to provide turning lanes, provide bus stop, crosswalks and bike lane on Lafayette Road. Construct ornamental stone wall at corner for High School sign. Easements needed from abutter to construct project.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$0	\$0	\$0	\$750,000	\$0	\$750,000	\$0	\$750,000

TSM-PW-21: RUSSELL MARKET INTERSECTION UPGRADE

Department	Public Works
Project Location	Russell and Market Streets
Project Type	Upgrade Existing Facilities
Commence FY	2018
Ward	1
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	76%		\$394,000					\$394,000	\$0	\$394,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	24%	\$50,000						\$50,000	\$75,000	\$125,000
	Totals	\$50,000	\$394,000	\$0	\$0	\$0	\$0	\$444,000	\$75,000	\$519,000

TSM-PW-22: BRIDGE MASTER PLAN

Department	Public Works
Project Location	City-Wide
Project Type	Design work or Planning Study
Commence FY	2017
Ward	ALL
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	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 goal of the "City-Wide Bridge Inspection and Maintenance Program" is to review and update the status of each of the City's fifteen (15) bridges in order to insure their continued integrity and to assist the City in contracting for maintenance and rehabilitation work on them as necessary. The program will include In-depth bridge inspection, rating, and material testing and report.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$75,000						\$75,000	\$0	\$75,000
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	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000

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	2021
Ward	5
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	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

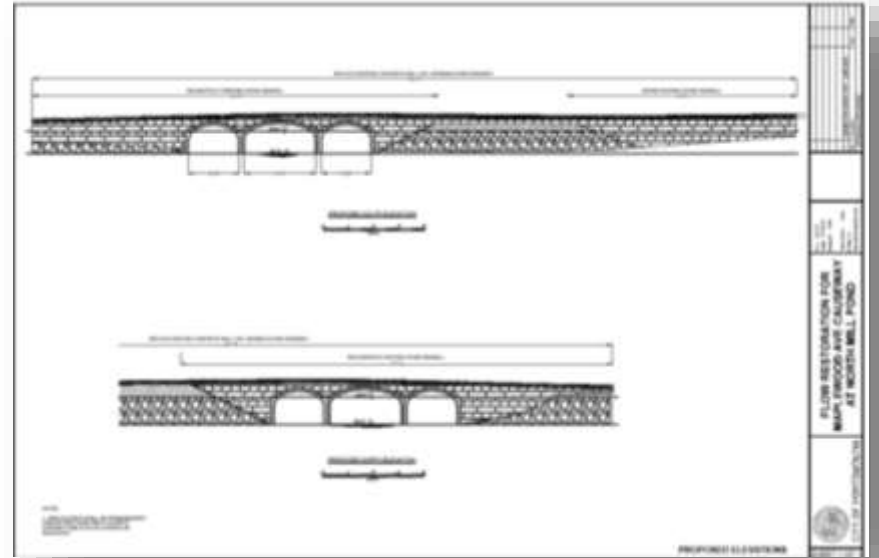
Description: A recently completed bridge inspection identified this bridge in need of replacement within the next 5 to 10 years. Interim repairs will be completed to ensure use until 80% State DOT bridge funds are available. Replacement of the Peirce Island bridge will be started after completion of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

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	80%					\$6,400,000		\$6,400,000	\$0	\$6,400,000
Bond/ Lease	20%					\$1,600,000		\$1,600,000	\$0	\$1,600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$8,000,000	\$0	\$8,000,000	\$0	\$8,000,000

TSM-PW-24: MAPLEWOOD AVENUE CULVERT REPLACEMENT

Department	Public Works
Project Location	Maplewood Avenue
Project Type	Upgrade Existing Facility
Commence FY	2022
Ward	1
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 concrete arches with existing stone reused to construct seawalls. If State Bridge Aid funds are not available, General Obligation Bonding will be needed to complete this project.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$3,800,000	\$3,800,000	\$0	\$3,800,000

TSM-PW/NH-25: CATE STREET BRIDGE REPLACEMENT

Department	Public Works
Project Location	Cate Street
Project Type	Upgrade Existing Infrastructure
Commence FY	2030
Ward	2,3
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	



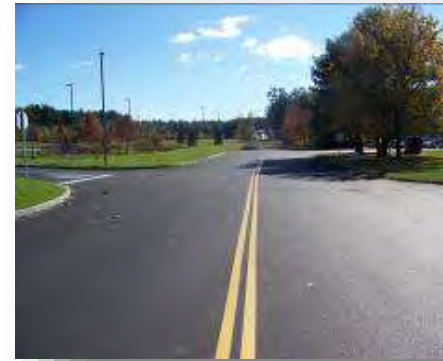
Description: This bridge is now well past its intended 50-year design life and loads well in excess of those for which it was originally designed. The bridge either needs to be replaced or discontinued along with related street work for Cate Street. In FY05, the city began discussions with impacted property 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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-26: LONGMEADOW ROAD EXTENSION

Department	Public Works
Project Location	Longmeadow Road
Project Type	New Road Construction
Commence FY	2017
Ward	3,4
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	100%	\$50,000	\$50,000					\$100,000	\$200,000	\$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	\$0	\$0	\$0	\$0	\$100,000	\$200,000	\$300,000

TSM-PW-27: NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS

Department	Public Works
Project Location	Woodbury Ave
Project Type	Construction or Expansion of Public Street
Commence FY	2017
Ward	1,3
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	
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 a TEC 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	14%	\$80,000						\$80,000	\$0	\$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	\$80,000	\$500,000	\$0	\$0	\$0	\$0	\$580,000	\$0	\$580,000

TSM-PW-28: CITY-WIDE TREE REPLACEMENT PROGRAM

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Ward	ALL
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	



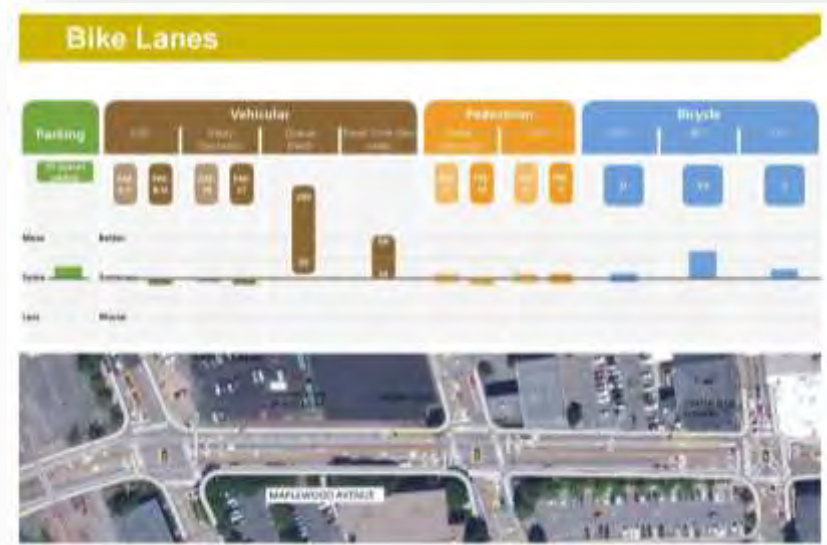
Description: This program allows for the reforestation of streets where the trees have succumbed to the urban condition. Selection of urban-tolerant species will be required. This program is run by the Public Works Department in conjunction with the Trees and Public Greenery Committee.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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

TSM-PW-29: TRANSPORTATION PLAN STUDIES AND DESIGNS

Department	Public Works
Project Location	City-Wide
Project Type	Design Related to Individual Project, PTS Committee Referral or Planning Document Implementation
Commence FY	On-Going
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	9%							\$0	\$20,000	\$20,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	91%	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$80,000	\$200,000
PPP	0%							\$0	\$0	\$0
	Totals	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$100,000	\$220,000

TSM-PW/NH-30: MARKET STREET GATEWAY IMPROVEMENTS

Department	Public Works
Project Location	Market Street
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Ward	1
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	18%	\$117,000						\$117,000	\$240,000	\$357,000
Fed/ State	0%	\$5,000						\$5,000	\$0	\$5,000
Bond/ Lease	82%		\$550,000					\$550,000	\$1,100,000	\$1,650,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$122,000	\$550,000	\$0	\$0	\$0	\$0	\$672,000	\$1,340,000	\$2,012,000

TSM-PW-31: STREET PAVING, MANAGEMENT AND REHABILITATION

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



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Pavement Management 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: 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).

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$3,000,000	\$0	\$3,000,000	\$0	\$3,000,000	\$9,000,000	\$8,000,000	\$17,000,000

TSM-PW-31: ROADWAY: Street Paving, Management and Rehabilitation

PROPOSED CAPITAL IMPROVEMENTS-STREETS

Fiscal Years 2018 and 2019

<u>Street</u>	<u>Estimated Cost</u>
State Street (Cass to Middle)	\$300,000
Union (Middle to Islington)	\$400,000
Coffin's Court	\$50,000
Andrew Jarvis	\$200,000
Morning Street	\$150,000
Osprey Drive Area	\$150,000
Elwyn Park Area	\$500,000
Pleasant Street	\$250,000
Walker Bungalow	\$300,000
Chapel Street (Bow to Daniels)	\$100,000
Miscellaneous	\$600,000
<hr/>	
TOTAL IMPROVEMENTS	\$3,000,000

TSM-PW-32: MCDONOUGH STREET AREA IMPROVEMENT PROJECT

Department	Public Works
Project Location	McDonough Street
Project Type	Construction of a public street
Commence FY	2017
Ward	2
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$400,000						\$400,000	\$2,000,000	\$2,400,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$2,000,000	\$2,400,000

TSM-PW-33: ISLINGTON STREET IMPROVEMENTS

Department	Public Works
Project Location	Islington Street
Project Type	Rehabilitation of Existing Facilities
Commence FY	2016
Ward	2,3
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Islington St Improvement Action Plan (2009) , Bicycle & Pedestrian Master Plan (2014)	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 2016.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	13%	\$200,000						\$200,000	\$300,000	\$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	\$200,000	\$2,500,000	\$0	\$0	\$0	\$0	\$2,700,000	\$1,300,000	\$4,000,000

TSM-PW-34: SOUTH STREET IMPROVEMENTS

Department	Public Works
Project Location	South Street – Junkins to Lafayette
Project Type	Upgrade of Existing Facilities
Commence FY	2021
Ward	2,4,5
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study - Bicycle & Pedestrian Plan (2014)	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 Master 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$100,000	\$100,000	\$200,000	\$0	\$200,000

TSM-PW/FED-35: PEVERLY HILL ROAD IMPROVEMENTS

Department	Public Works
Project Location	Peverly Hill Road
Project Type	Upgrade of Existing Facilities
Commence FY	2016
Ward	3,4
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bicycle and Pedestrian Plan	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	15%	\$300,000						\$300,000	\$50,000	\$350,000
Fed/ State	41%		\$500,000					\$500,000	\$450,000	\$950,000
Bond/ Lease	43%		\$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	\$300,000	\$1,500,000	\$0	\$0	\$0	\$0	\$1,800,000	\$500,000	\$2,300,000

TSM-PW-36: PEASE INTERNATIONAL TRADEPORT ROADWAY REHABILITATION

Department	Public Works
Project Location	Pease International Tradeport
Project Type	Upgrade of Existing Facilities
Commence FY	On-Going
Ward	3
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$2,500,000			\$750,000		\$750,000	\$4,000,000	\$1,000,000	\$5,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$2,500,000	\$0	\$0	\$750,000	\$0	\$750,000	\$4,000,000	\$1,000,000	\$5,000,000

TSM-PW-36: ROADWAY: Pease International Tradeport Roadway Rehabilitation

PEASE INTERNATIONAL TRADEPORT

Street	Estimated Cost
Corporate Drive	\$2,500,000
Goose Bay Drive	\$550,000
Rochester Avenue	\$700,000
Aviation Drive	\$500,000
Arboretum Drive	\$1,250,000
Oak Avenue	\$70,000
International Drive	\$100,000
<hr/>	
Total Estimated Cost	\$5,670,000

TMS-PW-37: BANFIELD ROAD IMPROVEMENTS

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bicycle and Pedestrian Plan	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: This project addresses a number of traffic safety related issues along the section of Banfield Road from Constitution to Ocean Road. These upgrades include culvert replacement, guard rail installation, and traffic calming measures. In addition, the effort will evaluate pedestrian and bicycle needs and measures to incorporate [“Complete Street” Design](#) into the project.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	29%		\$150,000					\$150,000	\$50,000	\$200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	71%	\$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	\$150,000	\$0	\$0	\$0	\$0	\$650,000	\$50,000	\$700,000

TMS-FED-38: JUNKINS AVENUE

Department	Public Works
Project Location	Junkins Avenue
Project Type	Upgrade of Existing Facilities
Commence FY	2020
Ward	5
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible



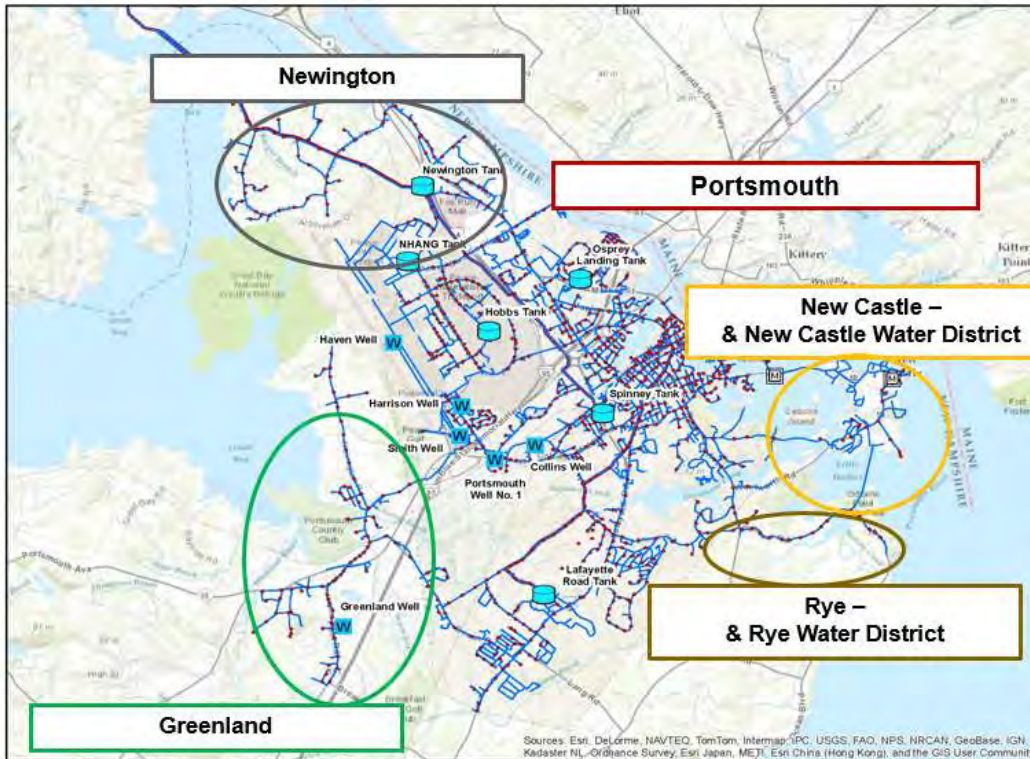
Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Bicycle and Pedestrian Plan	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$0	\$150,000	\$1,100,000	\$0	\$1,250,000	\$0	\$1,250,000

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
Ward	All
Priority	O (On-going)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Water System Master Plan	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	22%	\$1,500,000	\$2,000,000					\$3,500,000	\$0	\$3,500,000
Other	0%							\$0	\$0	\$0
Revenues	78%	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000	\$9,590,000	\$12,590,000
PPP	0%							\$0	\$0	\$0
	Totals	\$2,000,000	\$2,500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,500,000	\$9,590,000	\$16,090,000

EF-WD-02: WELL STATIONS IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	2017
Ward	ALL
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – 2013 Water System Master Plan	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$700,000	\$700,000	\$1,400,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$700,000	\$700,000	\$1,400,000

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
Ward	ALL
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – 2013 Water System Master Plan	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	88%	\$750,000	\$500,000					\$1,250,000	\$1,000,000	\$2,250,000
Other	0%							\$0	\$0	\$0
Revenues	12%	\$250,000						\$250,000	\$50,000	\$300,000
PPP	0%							\$0	\$0	\$0
	Totals	\$1,000,000	\$500,000	\$0	\$0	\$0	\$0	\$1,500,000	\$1,050,000	\$2,550,000

EF-WD-04: RESERVOIR MANAGEMENT

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	2020
Ward	ALL
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Water System Master Plan, Tighe and Bond, May 2013	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	

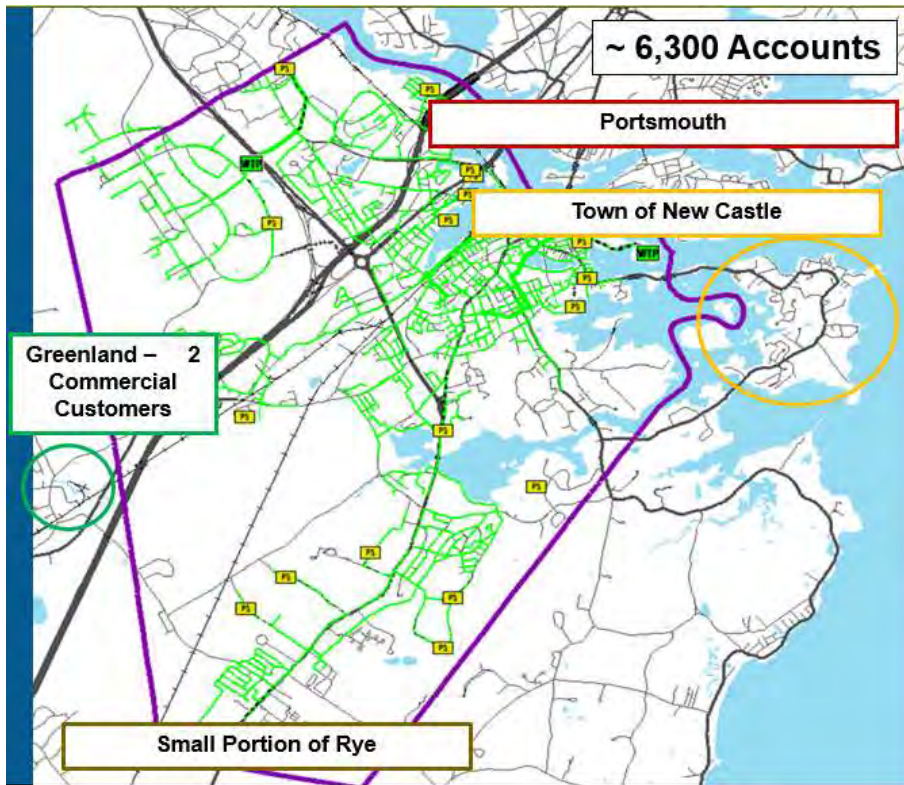


Description: This project consists of updating the water flow controls for the existing Bellamy reservoir, which supplies our new Madbury Surface Water Treatment Facility. An engineering analysis will determine the necessary modifications of dam controls to optimize the sustainability of the water resource.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	95%				\$500,000			\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	5%			\$25,000				\$25,000	\$0	\$25,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$25,000	\$500,000	\$0	\$0	\$525,000	\$0	\$525,000

V. ENTERPRISE FUNDS

SEWER



EF-SD-01: PEIRCE ISLAND WASTEWATER TREATMENT PLANT UPGRADES

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



Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Consent Decree	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	Y
Eligible for Matching Funds with Limited Availability	

Description: The project is for the design and construction of the new wastewater treatment facility at Peirce Island to bring the City into compliance with the secondary treatment standards as required by the EPA. These costs cover the permitting, design and construction of the new treatment plant. Costs presented do not include Master Planning, technology piloting, or collection system upgrades.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$70,000,000						\$70,000,000	\$10,000,000	\$80,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$70,000,000	\$0	\$0	\$0	\$0	\$0	\$70,000,000	\$10,000,000	\$80,000,000

EF-SD-02: PEASE WASTEWATER TREATMENT FACILITY

Department	Public Works
Project Location	Pease WWTF at Corporate Dr
Project Type	Upgrade of Existing Facilities
Commence FY	2017
Ward	1
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Pease WWTF Evaluation, Underwood Engineers, Jan 2014 (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	
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	94%		\$5,600,000					\$5,600,000	\$4,500,000	\$10,100,000
Other	0%							\$0	\$0	\$0
Revenues	6%	\$600,000						\$600,000	\$50,000	\$650,000
PPP	0%							\$0	\$0	\$0
	Totals	\$600,000	\$5,600,000	\$0	\$0	\$0	\$0	\$6,200,000	\$4,550,000	\$10,750,000

EF-SD-03: LONG TERM CONTROL PLAN RELATED PROJECTS

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

Evaluation Criteria	Satisfy
Identified in Planning Document or Study - Infiltration and Inflow Study (<i>in development</i>) & Post Construction Monitoring Plan (<i>in development</i>)	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	



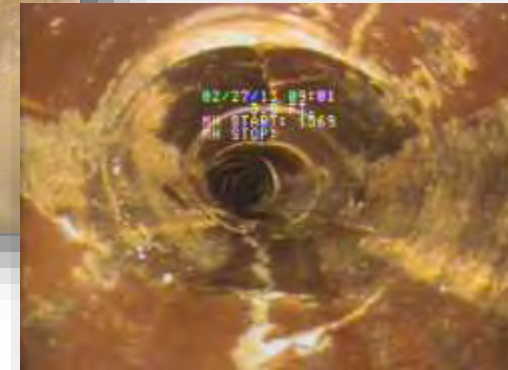
Description: The City has a combined sewer collection system and is required by the Environmental Protection Agency to implement a Long Term Control Plan to reduce and otherwise mitigate combined sewer overflows. This project includes the costs for study, design and construction of these projects. Projects 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	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%	\$400,000	\$200,000	\$300,000				\$900,000	\$400,000	\$1,300,000
PPP	0%							\$0	\$0	\$0
	Totals	\$400,000	\$200,000	\$300,000	\$3,000,000	\$0	\$0	\$3,900,000	\$400,000	\$4,300,000

EF-SD-04: ANNUAL SEWER LINE REPLACEMENT

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	On Going
Ward	ALL
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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	43%	\$2,500,000	\$2,500,000					\$5,000,000	\$0	\$5,000,000
Other	0%							\$0	\$0	\$0
Revenues	57%	\$1,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,500,000	\$3,250,000	\$6,750,000
PPP	0%							\$0	\$0	\$0
	Totals	\$3,500,000	\$3,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$8,500,000	\$3,250,000	\$11,750,000

EF-SD-05: PUMPING STATION UPGRADE

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of Existing Facility
Commence FY	Ongoing
Ward	ALL
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	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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	90%	\$400,000		\$400,000		\$400,000		\$1,200,000	\$3,500,000	\$4,700,000
Other	0%							\$0	\$0	\$0
Revenues	10%	\$250,000	\$100,000		\$100,000		\$100,000	\$550,000	\$0	\$550,000
PPP	0%							\$0	\$0	\$0
	Totals	\$650,000	\$100,000	\$400,000	\$100,000	\$400,000	\$100,000	\$1,750,000	\$3,500,000	\$5,250,000

EF-SD-06: MECHANIC STREET PUMPING STATION UPGRADE

Department	Public Works
Project Location	113 Mechanic Street
Project Type	Upgrade of Existing Facilities
Commence FY	2019
Ward	5
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	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



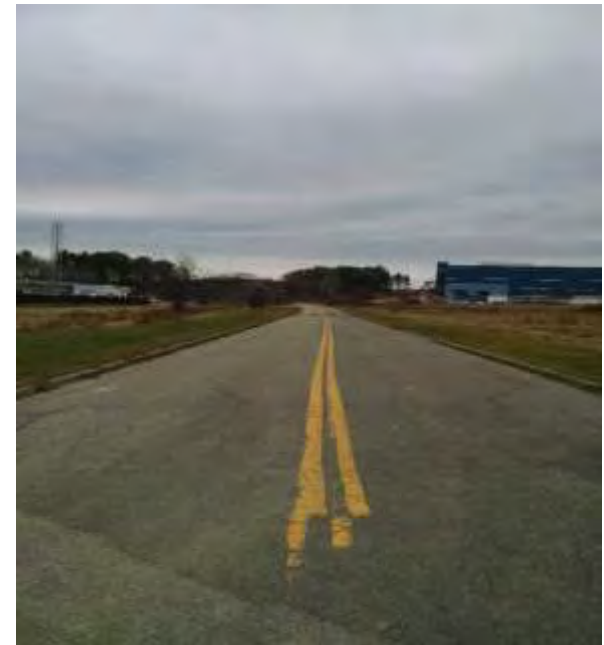
Description: This pumping station project would include a comprehensive upgrade to the City's largest pumping station to improve its operation and efficiency. The City purchased the adjacent property and will be working on a site master plan for the area from the pump station to Peirce Island Road. The 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.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	78%				\$8,000,000			\$8,000,000	\$0	\$8,000,000
Other	0%							\$0	\$0	\$0
Revenues	22%			\$1,500,000				\$1,500,000	\$800,000	\$2,300,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$1,500,000	\$8,000,000	\$0	\$0	\$9,500,000	\$800,000	\$10,300,000

EF-SD-07: GOOSE BAY DRIVE SEWER REPLACEMENT

Department	Public Works
Project Location	Goose Bay Drive
Project Type	Rehabilitation of Existing Facility
Commence FY	2017
Ward	3
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	
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 addresses replacement of an existing sewer that is in poor condition and at risk of failure. Replacement of this sewer line will prevent potential sewer system overflows due to failure and will provide additional capacity for an industry served by this section of sewer.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	74%	\$500,000						\$500,000	\$0	\$500,000
Other	7%	\$50,000						\$50,000	\$0	\$50,000
Revenues	19%							\$0	\$125,000	\$125,000
PPP	0%							\$0	\$0	\$0
	Totals	\$550,000	\$0	\$0	\$0	\$0	\$0	\$550,000	\$125,000	\$675,000

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
Ward	2
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	
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 Divisions of Public Works.

		FY17	FY18	FY19	FY20	FY21	FY22	Totals 17-22	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	65%		\$500,000					\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	35%	\$150,000						\$150,000	\$125,000	\$275,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$500,000	\$0	\$0	\$0	\$0	\$650,000	\$125,000	\$775,000

Appendix I. Citizen CIP Project Suggestions



Citizen CIP Project Suggestions

Location	Type	Description	Submitter	Submitter Address	Staff Comment
Peverly Hill Rd	New construction	New sidewalk	Marie Kelleher	297 Peverly Hill Rd	Existing CIP Project
FW Hartford Dr & TJ Gamester Ave	Rehabilitation of existing facility	Repave existing sidewalks	Ulf Dunberger	260 FW Hartford Dr	Can be scheduled as part of Street Paving, Management & Rehabilitation Program
Burkitt St from Dennett to Clinton	Rehabilitation of existing facility	Repaving	Craig & Eileen Laskoski	90 Burkitt St	Will be scheduled as part of Street Paving, Management & Rehabilitation Program
Burkitt St	Rehabilitation of existing facility	Repaving	Karen Salmon & Glenn Root	100 Burkitt St	Will be scheduled as part of Street Paving, Management & Rehabilitation Program
Burkitt St from Dennett to Clinton	Rehabilitation of existing facility	Add 4-way stops, add curbing and sidewalk, repave	Judith Howard	80 Burkitt St	Paving will be scheduled as part of Street Paving, Management & Rehabilitation Program; Parking & Traffic Safety Committee approval required for 4-way stop
Islington St from Cornwall to Bridge	New construction	Corridor improvement and sidewalks	Jay Dennett	50 Brewster St	Existing CIP Project
Islington Creek Neighborhood Street improvements	Rehabilitation of existing facility	Sidewalks and street improvements	Karina Quintas	51 McDonough St	Existing CIP Project
McDonough St	Rehabilitation of existing facility	Sidewalks and street improvements	Elizabeth Moreau	18 McDonough St	Existing CIP Project
Lafayette Rd	New construction	Add sidewalks from McKinley to Rye town line	Walter Novak	7 Winchester St	New CIP Project
Lafayette Rd	New construction	Pedestrian traffic signals	Walter Hamilton	47 Mariette Dr	New CIP Project
Thaxter Rd / Sunset Rd	New construction	Complete sidewalks along full road extent	Bernie Pelech	175 Thaxter Rd	Future CIP Project (listed in Bicycle & Pedestrian Plan as low priority)

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	2017-2018	\$ 209,983,751	State Transportation Improvement Program 2015-2018 Update
16189	I-95 Bridge (High Level Bridge)	Bridges	Rehabilitation of Bridge over Piscataqua River	2018	\$ 8,104,888	State Transportation Improvement Program 2015-2018 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	DRAFT State Ten Year Transportation Improvement Plan 2017 - 2026
20258	Peeverly Hill Rd	CMAQ	See CIP project description	2017	\$ 403,612	State Transportation Improvement Program 2015-2018 Update
27690	US 1 Bypass (Culvert of Hodgson Brook)	Red List Bridge	Culvert replacement at Hodgson Brook Bridge # 192/106	2018-2019	\$ 4,106,272	DRAFT State Ten Year Transportation Improvement Plan 2017 - 2026
29640	US Route 1 road improvements	Highway	Road improvements from Constitution to Wilson and from Ocean to White Cedar Blvd	2018-2022	\$ 9,157,162	DRAFT State Ten Year Transportation Improvement Plan 2017 - 2026
40642	Maplewood Ave Complete Street	Highway	See CIP project description	2022-2025	\$ 819,167	DRAFT 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	
40562	Portsmouth International Airport	Airport	Preservation, modernization, and/or expansion of airport facilities; planning studies.	2017-2026	\$ 52,362,778	DRAFT State Ten Year Transportation Improvement Plan 2017 - 2026

*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. [2013 Water System Master Plan](#)
2. [Bicycle and Pedestrian Plan 2014](#)
3. [Cemetery Existing Conditions Assessment and Restoration Plan \(2013\)](#)
4. [Comprehensive Recreation Needs Study 2010](#)
5. [Consent Decree](#)
6. Facilities Needs Evaluations (in development)
7. [Final Report – Blue Ribbon Senior Committee](#)
8. Infiltration and Inflow Study (in development)
9. [Islington Street Improvement Action Plan \(2009\)](#)
10. Maplewood Ave Feasibility Needs Study (in development)
11. [Master Plan 2005](#)
12. [Pavement Conditions Index](#)
13. Pease WWTF Evaluation, Underwood Engineers, Jan 2014 (in development)
14. [Peirce Island Master Plan 1999](#)
15. [Police Department Facility Study](#)
16. Post Construction Monitoring Plan (in development)
17. [Public Undeveloped Lands Assessment 2010](#)
18. [Comprehensive Recreation Needs Study \(2010\)](#)
19. [Sidewalk Conditions Index 2015](#)
20. [Stormwater Master Plan](#)
21. [Structural Evaluation, Walker, 2015](#)
22. [Wayfinding Analysis 2014](#)

Pavement Management Update

Portsmouth, New Hampshire

Prepared for City of Portsmouth
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Director of Public Works
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Portsmouth, NH 03801

Prepared by **VHB**/Vanasse Hangen Brustlin, Inc.
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MAY 2015



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1

Introduction

The City of Portsmouth hired Vanasse Hangen Brustlin, Inc (VHB) to perform an update to the 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 fall of 2014, VHB resurveyed the pavement condition of 25.3 miles of Portsmouth's total 103.5 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.

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,

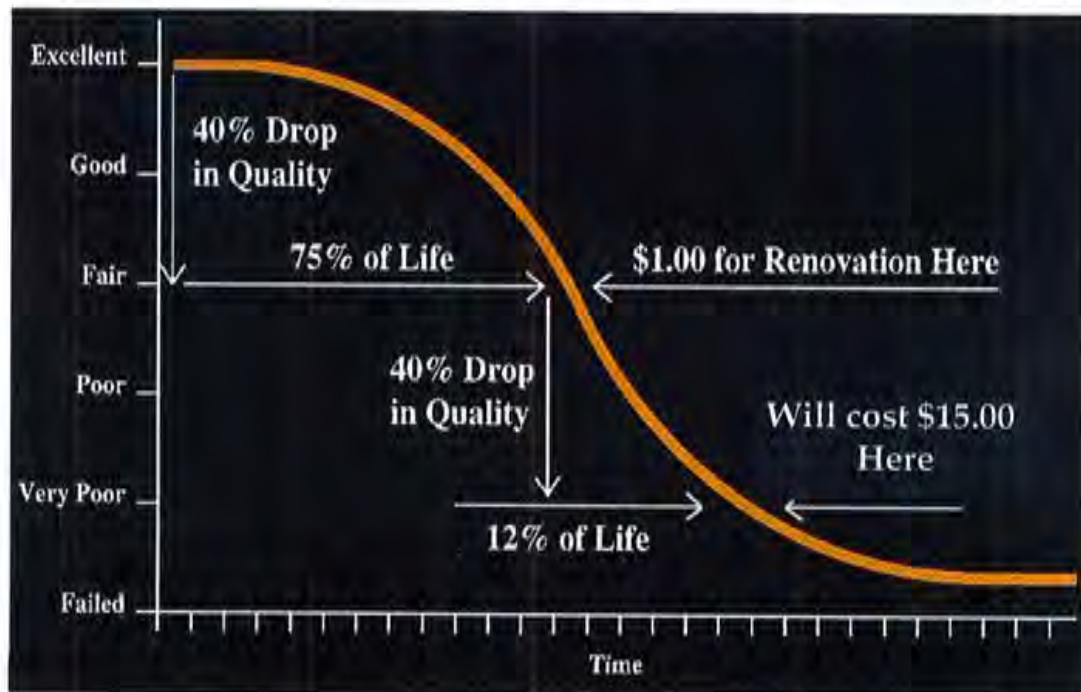


engineering judgment is required to finalize any list of street repairs, as no computer model can take every variable analyzed in making a repair decision into account. The computer system is a great springboard to help a community start its repair program for each year and is an excellent method of 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 103.5 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.

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.

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.



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
- alligatoring
- 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

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.

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	73-85	Fair condition - pavement surface may be in need of surface sealing, full depth patch and/or crack sealing.
STRUCTURAL IMPROVEMENT	61-72	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.**

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.

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.

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

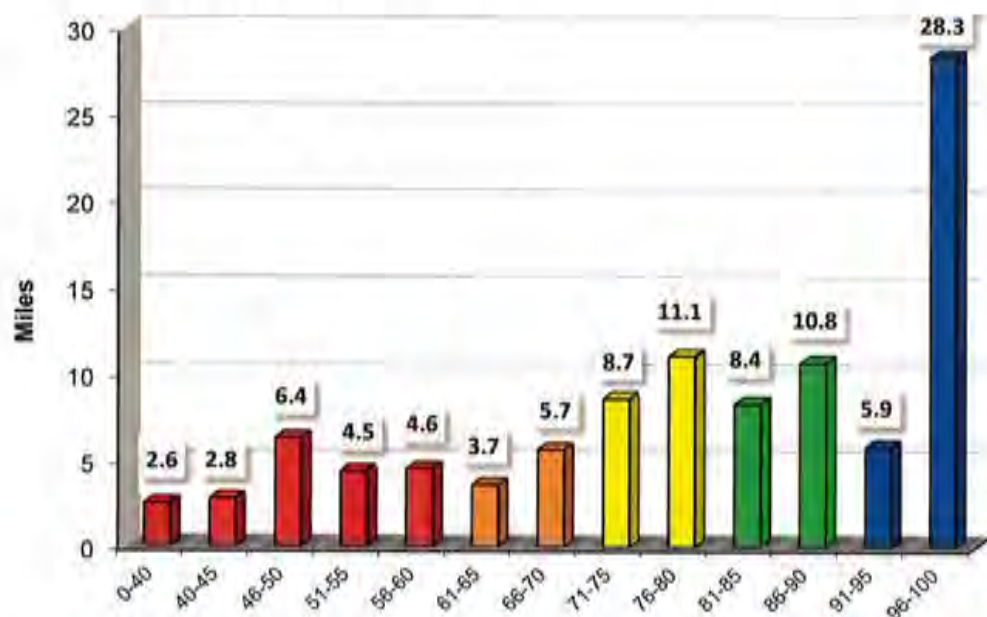
City Maintained Streets Pavement Conditions

In the fall of 2013, VHB resurveyed the pavement condition of 25.3 miles of Portsmouth's total 103.5 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 77. 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 77 represents a road in fair condition that would soon be in need of resurfacing.

The following chart shows a detailed breakdown of the 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	32.4	\$0
Routine Maintenance	30.8	\$635,000
Preventive Maintenance	8.9	\$479,000
Structural Improvement	10.6	\$2,471,000
Base Rehabilitation	20.8	\$24,518,000
Totals:	103.5	\$28,103,000

The following two figures present the above information graphically

Figure 3 - Dollars of Outstanding Work

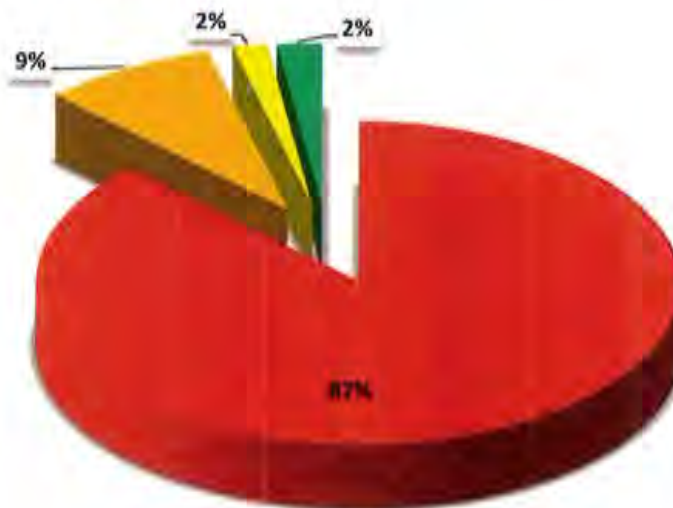
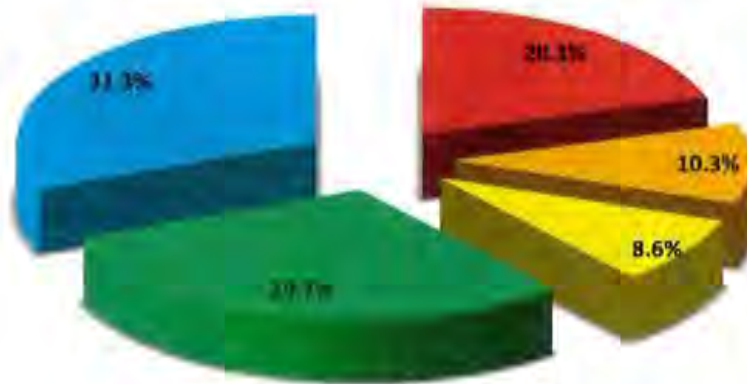




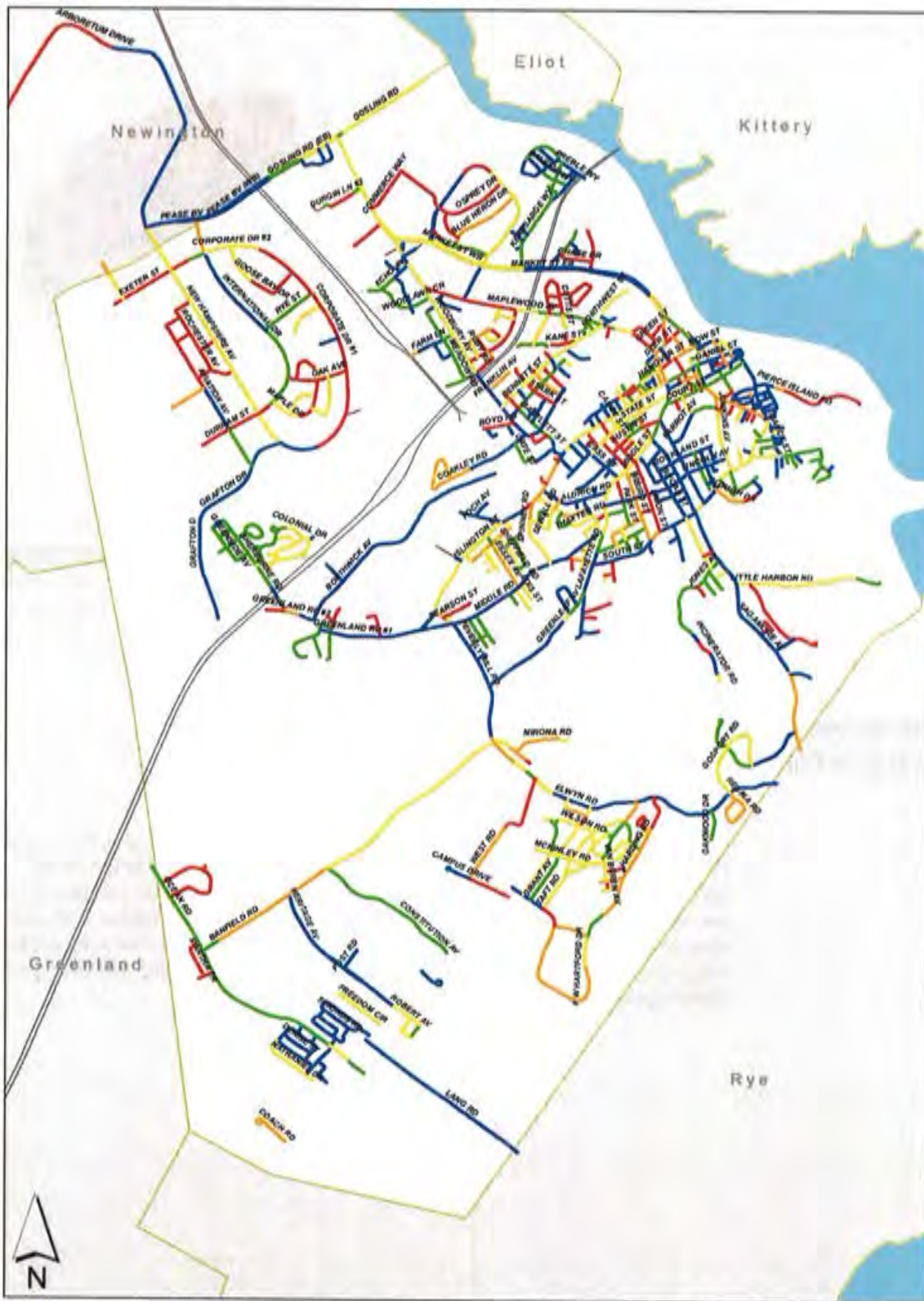
Figure 4 – Miles of Outstanding Work



Figures 3 and 4 charts demonstrate that while only approximately 20% of the City's roads are in need of Base Rehabilitation level of repair, they account for almost 90% 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.

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 thematic 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 maps on the following pages which display current and past pavement condition is one example of the type of mapping possible.

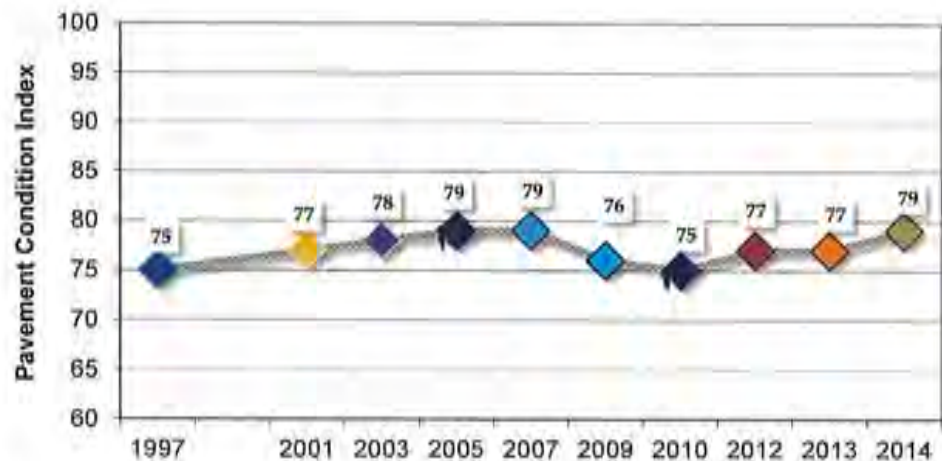


Portsmouth, New Hampshire
2014 Current PCI

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 5 – Average PCI 2007-2014

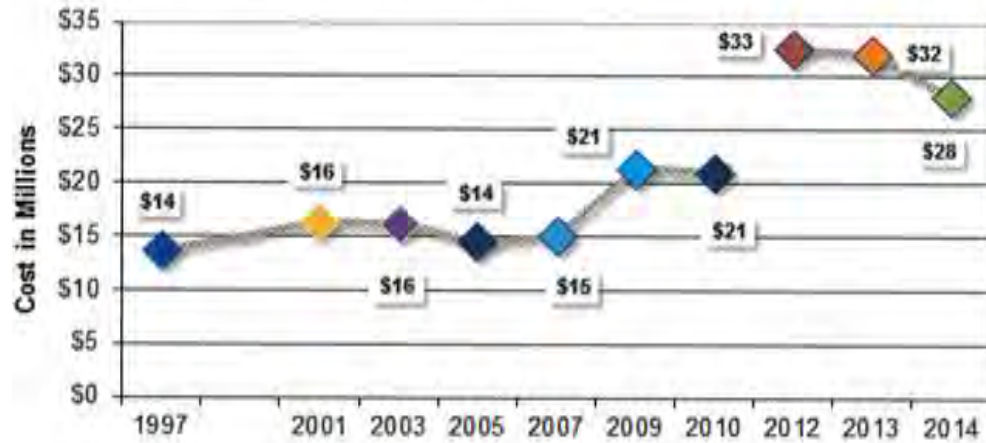


*****In 2008, no pavement work was completed**

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 has had a slight increase in recent years.



Figure 6 – Backlog of Cost 2007-2014



the backlog history chart, it must be noted that periodically the construction costs used to estimate the backlog are updated. Prior to development of this report, VHB met with the City and it was determined that current roadway construction costs include considerable drainage, sidewalk, and curbing costs, **and thus the unit cost for reconstruction activities was markedly increased**, accounting for a substantial increase in backlog shown for 2012 and 2013. A recent strong investment in capital projects has brought the backlog down from 2012 to 2013.

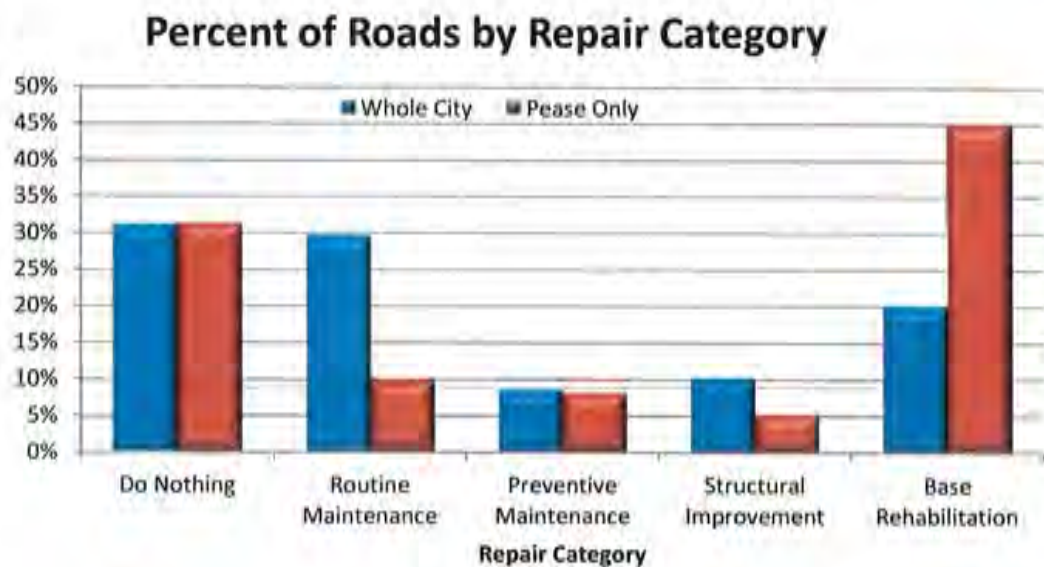
Pease Area

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

- Pease: 68 PCI
- All: 77 PCI

In terms of level of repair needed, the following chart compares Pease to the rest of the city.

Figure 7 – Pease Comparison



It appears that there is a disparity in the dispersal of conditions between the roads in Pease and the rest of the city. Approximately 40% of the road mileage in Pease is in need of significant repair, while conditions are more evenly spread in the rest of the city. A large percentage of the Pease mileage in poor conditions are on Corporate Drive and Arboretum Drive the overall backlog of Base Rehabilitation work, the Pease area has 6.1 miles of the City's 20.8 miles in need of Base Rehabilitation.



Portsmouth, New Hampshire
Pease Area

Legend
Pavement Segments
PEI

- 00-01
- 01-05
- 06-10
- 11-15
- 16-20

Produced December 2014 for demonstrative purposes





6

Budget Analysis

Portsmouth has a major investment in its 103.5 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 at least \$136 million 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.

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

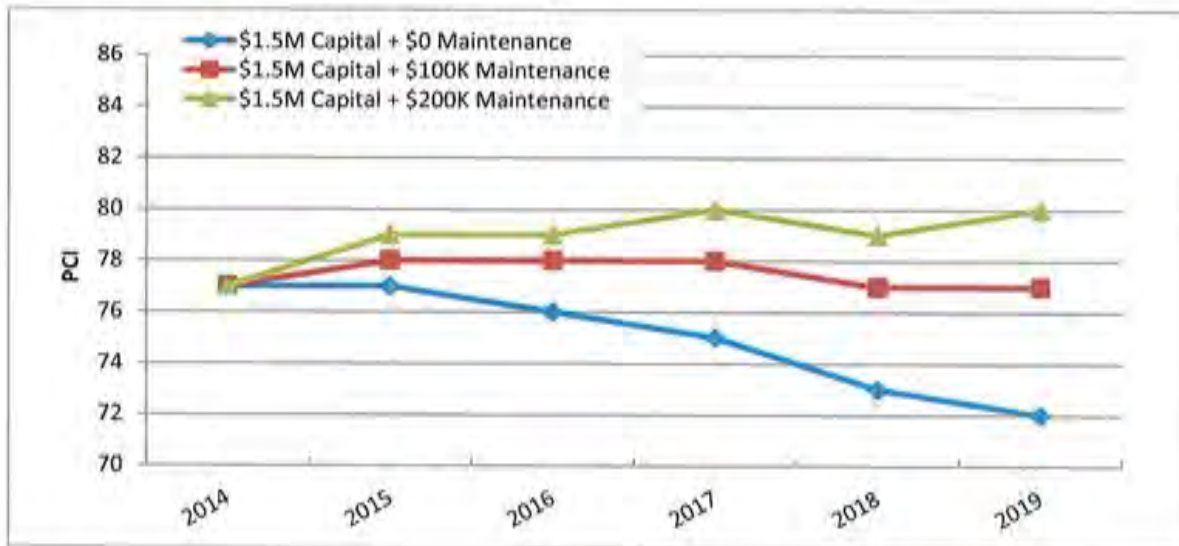
- **\$ 1,500,000 Capital Only**
- **\$ 1,500,000 Capital + \$ 100,000 Maintenance**
- **\$ 1,500,000 Capital + \$ 200,000 Maintenance.**



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.

Figure 8 - PCI Summary



Concluding Remarks

The City of Portsmouth has a pavement management system based on updated road condition data collected in 2014. 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.

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 ■

*All Backlogs are based from PCI's projected to April 2015

Pavement Backlog- Alphabetical

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
ADAMS AV	HARDING RD	DEAD END	Prev. Maintenance	468	73	\$7,020	5.31
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Crack & Patch	700	72	\$5,602	10.75
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Const. LO	422	54	\$90,759	1.36
ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	99	\$0	0.00
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	100	\$0	0.00
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0.00
ALDER WAY	KANE ST	DEAD END	Full Depth Const. LO	208	45	\$43,044	3.28
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0.00
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0.00
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0.00
ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Full Depth Const. LO	812	52	\$168,039	1.41
ANNE AV	ROBERTS AV	JOAN AV	Crack or Patch	425	87	\$425	92.25
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	100	\$0	0.00
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	100	\$0	0.00
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	100	\$0	0.00
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5300' N OF PEASE BLVD	Do Nothing	2,581	100	\$0	0.00
ARBORETUM DRIVE	5300' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	250	100	\$0	0.00
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	100	\$0	0.00
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Full Depth Const. LO	1,858	42	\$353,800	3.51
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Full Depth Const. LO	971	45	\$184,944	3.28
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Full Depth Const. LO	1,590	46	\$302,661	3.20
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Full Depth Reclaim LO	1,093	58	\$74,320	6.47
ARBORETUM DRIVE	SHORT ST	DEAD END	Full Depth Const. LO	4,657	31	\$886,622	4.76
ARTHUR F BRADY DR	WOODBURY AV	END	Full Depth Const. LO	951	55	\$314,887	2.68
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crack & Patch	634	85	\$3,381	18.24
ASH ST	ORCHARD ST	WILLARD AV	Prev. Maintenance	279	73	\$4,185	10.62
ASH ST	WILLARD AV	DEAD END	Crack or Patch	357	86	\$262	46.64
ASHLAND ST	CUTTS AV	CENTRAL AV	Full Depth Const. LO	350	38	\$43,458	3.88
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	99	\$0	0.00
AUSTIN ST	MIDDLE ST	SUMMER ST	Full Depth Const. LO	481	44	\$131,393	3.35
AUSTIN ST	SUMMER ST	CABOT ST	Crack & Patch	497	79	\$2,916	19.62
AUSTIN ST	CABOT ST	UNION ST	Full Depth Const. LO	339	48	\$92,604	3.07

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
AUSTIN ST	UNION ST	MADISON ST	Full Depth Const. LO	251	47	\$37,399	3.14
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0.00
AVIATION AV	GRAFTON DR	DURHAM ST	Crack or Patch	1,177	87	\$1,216	92.25
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	98	\$0	0.00
AVIATION AV	HAMPTON RD	ROCHESTER AV	Full Depth Const. LO	2,409	41	\$578,222	1.80
BALL ST	NEW CASTLE AV	DEAD END	Crack or Patch	207	86	\$83	46.64
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Prev. Maintenance	475	73	\$10,213	191.19
BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Prev. Maintenance	275	74	\$3,300	188.62
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crack & Patch	5,045	82	\$21,525	340.39
BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Overlay AR/CO	3,514	67	\$89,802	80.47
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crack or Patch	542	89	\$452	1624.54
BARBERRY LN	ISLINGTON ST	DEAD END	Crack or Patch	1,160	90	\$773	44.64
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Do Nothing	500	100	\$0	0.00
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Crack & Patch	1,303	80	\$8,108	503.87
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Const. AR/CO	338	54	\$102,151	54.15
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Const. LO	206	48	\$28,989	1.53
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crack or Patch	347	86	\$347	46.64
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Full Depth Const. LO	348	45	\$66,255	3.28
BENSON ST	SIMS AV	DEAD END	Overlay LO	249	64	\$4,382	3.15
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0.00
BIRCH ST	KEARSARGE WY	DEAD END	Do Nothing	132	93	\$0	0.00
BLOSSOM ST	SOUTH ST	DEAD END	Do Nothing	221	94	\$0	0.00
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Overlay w/mill LO	2,157	64	\$57,999	9.67
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Do Nothing	2,745	99	\$0	0.00
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Do Nothing	3,503	99	\$0	0.00
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Do Nothing	430	99	\$0	0.00
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0.00
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	69	\$15,173	5.84
BOW ST	DANIEL ST	464' N OF DANIEL ST	Overlay AR/CO	454	63	\$14,124	14.26
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Do Nothing	246	99	\$0	0.00
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0.00
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crack or Patch	276	89	\$343	45.12
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Const. LO	837	49	\$145,499	3.01
BRACKETT LN	BRACKETT RD	SOUTH ST	Crack or Patch	540	89	\$486	902.52
BRACKETT RD	HAVEN ST	DEAD END	Crack & Patch	829	83	\$3,537	9.34
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Do Nothing	140	100	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	100	\$0	0.00
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	100	\$0	0.00
BREWSTER ST	ISLINGTON AV	DEAD END	Crack & Patch	587	83	\$2,087	-9.34
BRIDGE ST	DEER ST	HANOVER ST	Crack & Patch	372	83	\$2,314	56.05
BRIDGE ST	HANOVER ST	ISLINGTON ST	Overlay AR/CO	379	66	\$14,731	13.61
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Do Nothing	558	95	\$0	0.00
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0.00
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0.00
BROAD ST	SOUTH ST	JONES AV	Do Nothing	963	100	\$0	0.00
BROAD ST	LINCOLN ST	SOUTH ST	Overlay LO	1,541	67	\$54,258	60.21
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Full Depth Const. LO	944	47	\$257,869	3.14
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Full Depth Const. LO	2,170	45	\$592,772	3.28
BURKITT ST	CLINTON ST	THORNTON ST	Full Depth Reclaim LO	575	56	\$44,186	6.70
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Const. LO	296	51	\$63,706	2.89
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Full Depth Const. LO	127	48	\$23,128	1.53
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	71	\$44,000	19.32
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	99	\$0	0.00
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Crack & Patch	811	83	\$4,614	18.68
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	99	\$0	0.00
CASS ST	MIDDLE ST	ISLINGTON ST	Do Nothing	1,552	100	\$0	0.00
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crack & Patch	929	84	\$3,303	33.60
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Crack or Patch	541	90	\$505	130.35
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Const. LO	277	47	\$64,202	3.14
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Full Depth Const. LO	706	42	\$163,635	3.51
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	71	\$29,753	5.68
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0.00
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0.00
CHAPEL CT	CHAPEL ST	PARKING LOT	Crack & Patch	109	76	\$310	20.39
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	52	\$30,690	7.22
CHAPEL ST	DANIEL ST	STATE ST	Full Depth Reclaim LO	287	53	\$18,661	7.08
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX	Full Depth Const. LO	913	45	\$211,613	3.28
CHATHAM ST	WINTER ST	SUMMER ST	Crack or Patch	371	87	\$235	18.45
CHAUNCY ST	WIBIRD ST	UNION ST	Crack & Patch	335	85	\$1,548	18.24
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Const. LO	188	55	\$28,012	3.00
CHESTNUT ST #2	STATE ST	COURT ST	Full Depth Reclaim LO	196	55	\$20,854	6.83
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	100	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	94	\$0	0.00
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	56	\$15,601	3.35
CHURCH ST	STATE ST	DEAD END	Full Depth Const. LO	260	48	\$32,281	1.53
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crack & Patch	1,194	83	\$6,156	18.68
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Const. LO	326	56	\$64,765	2.63
CLIFF RD #2	DEAD END	DEAD END	Full Depth Const. LO	317	51	\$62,977	1.44
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	99	\$0	0.00
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	99	\$0	0.00
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Overlay LO	839	65	\$22,150	6.20
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Const. LO	463	52	\$134,141	2.83
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	99	\$0	0.00
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	97	\$0	0.00
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Overlay LO	1,295	64	\$45,584	3.15
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0.00
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	71	\$85,833	10.25
COFFIN CT	CABOT ST	UNION ST	Full Depth Const. LO	335	38	\$30,504	3.88
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	69	\$71,757	5.84
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	1,592	81	\$7,359	19.14
COLUMBIA CT	COLUMBIA ST	DEAD END	Full Depth Const. LO	207	45	\$53,119	1.64
COLUMBIA ST	STATE ST	ISLINGTON ST	Full Depth Const. LO	498	44	\$136,037	3.35
CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	99	\$0	0.00
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crack & Patch	998	75	\$7,097	305.78
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crack or Patch	350	87	\$467	369.00
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crack & Patch	1,460	85	\$8,306	123.39
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crack or Patch	2,260	86	\$2,486	615.67
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Prev. Maintenance	1,364	72	\$15,004	10.76
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crack & Patch	960	84	\$4,437	18.46
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crack or Patch	128	88	\$149	91.24
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	99	\$0	0.00
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Overlay AR/CO	983	65	\$28,398	46.08
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	99	\$0	0.00
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Do Nothing	889	99	\$0	0.00
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Const. AR/CO	4,692	47	\$1,084,373	19.14
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Const. AR/CO	1,926	54	\$445,120	20.82
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Overlay AR/CO	774	68	\$38,700	88.10
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crack & Patch	716	79	\$7,001	156.98

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0.00
COURT PL	STATE ST	COURT ST	Crack & Patch	193	83	\$1,235	18.68
COURT ST	MARCY ST	PLEASANT ST	Crack or Patch	1,250	86	\$958	932.83
COURT ST	PLEASANT ST	MIDDLE ST	Crack & Patch	1,111	78	\$5,925	198.72
CRESCENT WY	DEAD END	PREBLE WY	Crack & Patch	1,445	85	\$6,422	9.12
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	99	\$0	0.00
CUTTS AV	DEAD END (S)	CHASE DR	Crack or Patch	261	88	\$209	45.62
CUTTS AV	CHASE DR	DEAD END (N)	Crack & Patch	792	83	\$3,379	74.73
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Overlay LO	396	61	\$13,939	66.12
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Full Depth Const. LO	261	43	\$60,494	3.50
CUTTS ST	ASHLAND ST	CENTRAL ST	Full Depth Const. LO	763	43	\$176,846	13.73
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	100	\$0	0.00
DANIEL ST	BOW ST	MARKET ST	Do Nothing	941	100	\$0	0.00
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crack or Patch	574	89	\$666	45.12
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,904	1.84
DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	69	\$28,655	5.84
DEER ST	BRIDGE ST	MAPLEWOOD AV	Crack or Patch	350	88	\$408	1459.85
DEER ST	MAPLEWOOD AV	RUSSELL ST	Overlay AR/CO	447	67	\$24,856	116.24
DEER ST	RUSSELL ST	MARKET ST	Full Depth Const. AR/CO	483	44	\$214,789	66.45
DENISE ST	MARIETTE DR	MARIETTE DR	Do Nothing	893	99	\$0	0.00
DENNETT ST	MAPLEWOOD AV	KANE ST	Overlay AR/CO	827	65	\$19,297	46.08
DENNETT ST	KANE ST	WOODBURY AV	Crack & Patch	2,702	73	\$13,930	212.22
DIAMOND DR	ONYX LA	RUBY RD	Overlay LO	680	63	\$18,700	6.40
DODGE AV	GREENLAND RD	DEAD END	Full Depth Const. LO	807	54	\$180,365	1.36
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Const. LO	229	56	\$60,660	1.31
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crack & Patch	376	84	\$1,671	18.46
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	99	\$0	0.00
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	99	\$0	0.00
DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crack & Patch	875	78	\$3,111	19.87
DURGIN LN #2	DURGIN LN (EB & WB)	222' W OF DURGIN LN	Full Depth Const. LO	222	48	\$91,883	1.53
DURGIN LN #2	222' W OF DURGIN LN	512' W OF DURGIN LN	Full Depth Const. LO	290	56	\$86,420	10.54
DURGIN LN #2	512' W OF DURGIN LN	718' W OF DURGIN LN	Full Depth Const. LO	206	49	\$61,388	3.01
DURGIN LN #2	718' W OF DURGIN LN	DEAD END	Crack or Patch	185	86	\$222	93.28
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Prev. Maintenance	248	75	\$4,712	5.16
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Crack or Patch	248	86	\$165	46.64
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Full Depth Const. LO	970	36	\$208,766	4.09

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DURHAM ST	AVIATION AV	DEAD END	Full Depth Const. LO	768	36	\$127,147	2.04
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	100	\$0	0.00
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Const. LO	510	53	\$143,537	2.78
ECHO AV	SPAULDING TP	HILLCREST DR	Crack & Patch	865	78	\$3,691	38.67
ECHO AV	HILLCREST DR	WOODBURY AV	Crack or Patch	499	90	\$399	128.57
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crack & Patch	246	82	\$1,465	18.91
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	71	\$26,684	5.68
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Full Depth Const. LO	2,043	46	\$422,788	3.20
EDWARDS ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	41	\$43,044	3.60
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Full Depth Reclaim LO	204	57	\$12,059	26.36
ELM CT	ISLINGTON ST	DEAD END	Full Depth Const. LO	107	41	\$15,943	1.80
ELWYN AV	SOUTH ST	ROCKLAND ST	Do Nothing	1,114	95	\$0	0.00
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Do Nothing	6,161	100	\$0	0.00
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Do Nothing	447	100	\$0	0.00
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crack & Patch	244	78	\$1,128	198.72
ESSEX AV	MELBOURNE ST	MIDDLE RD	Full Depth Reclaim AR/CO	1,404	53	\$181,210	46.75
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Full Depth Const. LO	1,788	41	\$444,020	3.60
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Const. LO	611	52	\$161,874	2.83
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Overlay LO	3,872	63	\$136,291	6.40
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Prev. Maintenance	833	73	\$13,328	10.62
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Crack & Patch	248	77	\$1,941	20.12
FAIRVIEW AV	OLEARY PL	EDMOND AV	Crack & Patch	463	76	\$2,057	20.39
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	99	\$0	0.00
FALKLAND PL	RANGER WY	KEARSARGE WY	Crack or Patch	225	87	\$210	92.25
FALKLAND WY	KEARSARGE WY	DEAD END	Crack or Patch	112	87	\$71	46.12
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crack & Patch	331	84	\$1,530	32.53
FARM LN	25' W OF MEADOW RD	200' E OF SPAULDING TP	Crack or Patch	675	88	\$675	160.58
FARM LN	200' E OF SPAULDING TP	SPAULDING TP	Full Depth Reclaim LO	253	54	\$22,433	12.24
FELLS RD	THAXTER RD	THAXTER RD	Crack & Patch	702	83	\$4,368	18.68
FERNALD CT	NEW CASTLE AV	DEAD END	Do Nothing	291	95	\$0	0.00
FIELDS RD	SEWALL RD	SEWALL RD	Crack or Patch	632	87	\$632	92.25
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	69	\$7,338	4.48
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	68	\$19,592	4.55
FLEET ST	COURT ST	HANOVER ST	Full Depth Const. AR/CO	1,046	41	\$232,444	8.22
FLETCHER ST	SIMS AV	DEAD END	Overlay LO	178	68	\$3,916	2.96
FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	98	\$0	0.00

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FRANKLIN AV	WOODBURY AV	DEAD END	Full Depth Reclaim LO	738	53	\$61,074	3.54
FRANKLIN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	244	50	\$44,435	1.47
FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Full Depth Const. LO	221	43	\$36,588	1.71
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0.00
GARDEN ST	CENTRE ST	DEAD END	Do Nothing	119	95	\$0	0.00
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0.00
GARFIELD RD	MCKINLEY RD	TAFT RD	Crack & Patch	676	76	\$3,365	20.39
GATES ST	HANCOCK ST	MECHANIC ST	Do Nothing	1,045	93	\$0	0.00
GEORGES TR	COLONIAL DR	COLONIAL DR	Crack & Patch	400	82	\$1,564	18.91
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Overlay LO	1,071	70	\$35,343	5.76
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Full Depth Const. LO	830	41	\$206,117	14.40
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	34	\$128,024	17.36
GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	100	\$0	0.00
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crack & Patch	2,533	76	\$11,258	20.39
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Crack & Patch	170	85	\$907	18.24
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Crack & Patch	280	78	\$1,195	675.67
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crack & Patch	936	82	\$12,813	642.96
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crack & Patch	1,023	82	\$5,456	642.96
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Prev. Maintenance	1,241	78	\$18,615	338.06
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crack or Patch	1,022	86	\$1,022	3171.64
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Do Nothing	671	100	\$0	0.00
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crack & Patch	2,913	78	\$17,090	19.87
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	100	\$0	0.00
GRAFTON DR	CARPORATE DR	SHERBURNE RD	Do Nothing	2,642	100	\$0	0.00
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	99	\$0	0.00
GRANT AV	HOOVER DR	MCKINLEY RD	Crack & Patch	1,423	83	\$6,577	18.68
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	71	\$33,165	5.68
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Const. LO	356	52	\$58,938	2.83
GRANT AV	EDGEWOOD RD	ELWYN RD	Prev. Maintenance	244	74	\$3,660	10.47
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	38	\$19,892	3.88
GREEN ST	VAUGHAN ST	RUSSELL ST	Full Depth Const. LO	487	45	\$92,719	3.28
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Do Nothing	901	95	\$0	0.00
GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Do Nothing	2,789	95	\$0	0.00
GREENLAND RD #2	DEAD END	SHERBURN DR	Full Depth Const. LO	467	43	\$123,703	1.71
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Full Depth Reclaim LO	395	60	\$31,505	6.26
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	99	\$0	0.00

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GREENLAND RD #3	RT 101	DEAD END	Crack or Patch	456	87	\$426	46.12
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0.00
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0.00
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Crack & Patch	250	77	\$1,244	201.28
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Crack & Patch	741	80	\$3,162	156.47
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crack & Patch	1,086	80	\$4,827	19.37
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	412	80	\$1,758	19.37
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crack or Patch	375	89	\$362	90.25
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crack or Patch	1,043	86	\$956	93.28
HALL CT	COLONIAL DR	COLONIAL DR	Crack & Patch	291	82	\$1,035	18.91
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crack & Patch	1,288	76	\$7,785	20.39
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crack & Patch	137	84	\$585	9.23
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	62	\$33,851	6.50
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	98	\$0	0.00
HANOVER ST	ROCK ST	PEARL ST	Crack & Patch	144	84	\$666	18.46
HANOVER ST	PEARL ST	BRIDGE ST	Crack & Patch	551	76	\$2,939	20.39
HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	70	\$7,333	42.79
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Full Depth Const. AR/CO	345	51	\$134,933	22.05
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	68	\$35,004	17.62
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crack & Patch	101	75	\$790	206.61
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Const. LO	284	55	\$47,018	2.68
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crack & Patch	707	75	\$4,146	20.66
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	50	\$89,662	7.51
HARDING RD	ADAMS AV	MCKINLEY RD	Overlay w/mill LO	1,822	61	\$73,487	10.14
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Const. LO	971	52	\$281,320	2.83
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	71	\$35,442	5.68
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Const. LO	618	52	\$102,231	1.41
HAVEN RD	SOUTH ST	DEAD END	Crack or Patch	546	88	\$437	45.62
HAWTHORNE ST	WIBIRD ST	UNION ST	Full Depth Const. LO	368	45	\$79,202	3.28
HAYES PL	HARDING RD	MCKINLEY RD	Crack & Patch	326	76	\$1,623	20.39
HEATHER LN	BUCKMINSTER WY	DEAD END	Full Depth Const. LO	134	48	\$36,604	1.53
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	99	\$0	0.00
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	99	\$0	0.00
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	99	\$0	0.00
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	99	\$0	0.00
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	99	\$0	0.00

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HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	99	\$0	0.00
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	99	\$0	0.00
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	70	\$8,470	5.76
HIGH ST	225' W OF HANOVER ST	DEER ST	Overlay LO	312	64	\$6,178	6.30
HIGH ST #2	CONGRESS ST	LADD ST	Prev. Maintenance	224	72	\$2,128	10.76
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0.00
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Do Nothing	644	99	\$0	0.00
HILL ST	BRIDGE ST	DEAD END	Crack or Patch	415	86	\$277	46.64
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crack or Patch	946	90	\$914	44.64
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0.00
HODGON LN	WOODBURY AV	DEAD END	Do Nothing	403	22	\$0	0.00
HOLLY LN	SHERBURNE RD	HOLLY LN	Crack & Patch	1,553	81	\$8,835	19.14
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	99	\$0	0.00
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	100	\$0	0.00
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	98	\$0	0.00
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crack or Patch	612	89	\$388	90.25
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0.00
HUNTERS HILL	DENNETT ST	DEAD END	Full Depth Const. LO	239	52	\$0	2.83
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Full Depth Const. AR/CO	352	37	\$84,480	24.31
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE	ARYE ST	Crack & Patch	2,408	74	\$11,130	418.76
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Do Nothing	2,375	99	\$0	0.00
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Do Nothing	351	99	\$0	0.00
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Full Depth Reclaim AR/CO	940	56	\$253,938	35.40
ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Prev. Maintenance	3,314	72	\$59,647	301.53
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Do Nothing	367	95	\$0	0.00
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Overlay w/mill AR/CO	1,313	61	\$79,025	197.99
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Full Depth Const. AR/CO	297	47	\$110,805	62.21
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0.00
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Prev. Maintenance	3,172	73	\$42,819	169.95
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Do Nothing	639	95	\$0	0.00
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crack or Patch	236	89	\$134	90.25
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Const. LO	235	57	\$23,343	2.58
JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	99	\$0	0.00
JOAN AV	ANNE AV	RICCI AV	Prev. Maintenance	325	72	\$4,875	10.76
JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0.00
JOHNSON CT	SOUTH ST	DEAD END	Crack or Patch	229	88	\$92	45.62

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JONES AV	SAGAMORE AV	INCINERATOR RD	Crack or Patch	2,741	86	\$2,101	93.28
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	62	\$25,573	37.53
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Overlay w/mill AR/CO	798	64	\$30,883	56.39
JUNKINS AV	PARROT AV	PLEASANT ST	Full Depth Reclaim AR/CO	343	53	\$37,331	36.32
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	44	\$155,523	3.35
KEARSARGE WY	PREBLE WY	RANGER WY	Crack or Patch	1,071	86	\$928	932.83
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crack & Patch	342	83	\$1,824	186.84
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crack or Patch	1,399	86	\$1,352	932.83
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crack & Patch	399	80	\$3,049	193.79
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	64	\$17,688	6.30
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	99	\$0	0.00
LADD ST	HIGH ST	MARKET ST	Crack & Patch	262	84	\$745	18.46
LAFAYETTE RD	LEDGEWOOD DR	ARTWILL AV	Do Nothing	370	99	\$0	0.00
LAFAYETTE RD	ARTWILL AV	325' S OF SOUTH ST	Do Nothing	1,044	99	\$0	0.00
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Do Nothing	845	94	\$0	0.00
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crack & Patch	588	78	\$4,704	516.69
LANG RD	LAFAYETTE RD	RYE TOWN LINE	Crack or Patch	5,131	93	\$3,934	519.03
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	70	\$14,439	4.42
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Crack & Patch	405	75	\$2,160	20.66
LAWRENCE ST	MIDDLE ST	BOSS AV	Full Depth Const. LO	312	50	\$56,819	2.95
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crack & Patch	671	82	\$2,386	18.91
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0.00
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Full Depth Const. LO	141	52	\$56,104	1.41
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	434	53	\$107,777	2.78
LENS AV	JONES AV	DEAD END	Crack & Patch	477	84	\$1,526	9.23
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Full Depth Const. LO	2,029	45	\$503,868	3.28
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	100	\$0	0.00
LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	100	\$0	0.00
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0.00
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0.00
LINCOLN AV	SHERBURN AV	JUNKINS AV	Do Nothing	799	95	\$0	0.00
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Overlay LO	556	68	\$10,397	5.93
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Overlay LO	2,714	63	\$53,737	6.40
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crack & Patch	730	80	\$2,596	9.68
LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	36	\$68,168	2.04
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	63	\$10,692	3.20

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LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Do Nothing	160	97	\$0	0.00
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Crack & Patch	537	89	\$4,504	8.71
LOOKOUT LN	PINEHURST RD	DEAD END	Do Nothing	267	95	\$0	0.00
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0.00
MADISON ST	MIDDLE ST	STATE ST	Full Depth Const. LO	1,004	39	\$207,772	3.78
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL DR	Crack & Patch	515	75	\$2,838	82.64
MANCHESTER SQ	500' W OF INTERNATIONAL DR	DNEW HAMPSHIRE DR	Full Depth Const. AR/CO	512	46	\$118,329	9.77
MANGROVE ST	KEARSAGE WY	DEAD END	Do Nothing	398	93	\$0	0.00
MANNING PL	GATES ST	END	Overlay LO	64	66	\$915	3.05
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0.00
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Do Nothing	289	95	\$0	0.00
MAPLE ST	WOODBURY AV	MEADOW RD	Crack or Patch	256	90	\$256	89.28
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Const. AR/CO	2,573	54	\$754,747	17.07
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Prev. Maintenance	613	74	\$13,486	85.92
MAPLEWOOD AV	291' W OF CENTRAL AV	300' E OF DENNETT ST	Crack & Patch	2,134	82	\$11,381	370.65
MAPLEWOOD AV	300' E OF DENNETT ST	RAYNES AV	Overlay AR/CO	516	71	\$22,920	34.59
MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Const. AR/CO	619	44	\$220,196	61.34
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,689	105.72
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	100	\$0	0.00
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	100	\$0	0.00
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	100	\$0	0.00
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	100	\$0	0.00
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$5,783	53.86
MARCY ST	SOUTH ST	NEWCASTLE AV	Crack & Patch	976	85	\$4,164	145.98
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Do Nothing	2,725	99	\$0	0.00
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	63	\$20,605	3.20
MARK ST	COURT ST	DEAD END	Full Depth Const. LO	244	48	\$36,356	1.53
MARKET ST	BOW ST	DEER ST	Crack or Patch	731	88	\$634	2372.26
MARKET ST	DEER ST	RUSSELL ST	Crack or Patch	501	86	\$835	2425.37
MARKET ST #1	BOW ST	DANIEL ST	Crack & Patch	421	78	\$3,742	123.21
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crack & Patch	3,381	77	\$17,431	644.12
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Do Nothing	715	100	\$0	0.00
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Do Nothing	2,910	99	\$0	0.00
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	64	\$28,486	168.48
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	63	\$28,101	152.13
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Do Nothing	2,967	99	\$0	0.00

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MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Do Nothing	695	100	\$0	0.00
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Crack & Patch	3,403	76	\$18,149	848.12
MARNE AV	JONES AV	DEAD END	Crack & Patch	605	85	\$2,151	9.12
MARSH LN	MAPLEWOOD AV	DEAD END	Crack or Patch	403	90	\$215	44.64
MARSTON AV	WLLARD AV	SOUTH ST	Crack or Patch	514	87	\$445	92.25
MARTHA TR	PATRICIA DR	OCEAN RD	Full Depth Const. LO	1,095	46	\$271,925	3.20
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	68	\$16,817	5.93
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crack & Patch	615	85	\$2,624	18.24
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Full Depth Const. LO	380	52	\$106,836	1.41
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	99	\$0	0.00
MCDONOUGH ST	CABOT ST	DEAD END	Do Nothing	641	99	\$0	0.00
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	98	\$0	0.00
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	71	\$53,460	16.04
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Crack & Patch	1,134	74	\$6,653	59.12
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Prev. Maintenance	805	73	\$12,075	10.62
MCNABB CT	LINCOLN AV	DEAD END	Do Nothing	282	95	\$0	0.00
MEADOW RD	MAPLE ST	FARM LN	Crack & Patch	876	80	\$3,893	19.37
MEADOW RD	FARM LN	ROCKINGHAM AV	Crack & Patch	1,231	76	\$5,471	20.39
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0.00
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0.00
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	100	\$0	0.00
MELBOURNE ST	VINE ST	RUTLAND ST	Full Depth Reclaim LO	1,436	53	\$106,104	7.08
MELCHER ST	PLEASANT ST	DEAD END	Crack or Patch	350	90	\$210	44.64
MENDUM AV	MIDDLE ST	PARK ST	Crack or Patch	542	88	\$452	91.24
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0.00
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0.00
MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Const. LO	1,162	54	\$230,851	1.36
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Do Nothing	2,627	99	\$0	0.00
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Full Depth Const. AR/CO	133	58	\$29,556	7.75
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	99	\$0	0.00
MIDDLE ST	MIDDLE RD	MILLER AV	Crack & Patch	2,999	81	\$23,459	382.84
MIDDLE ST	MILLER AV	RICHARDS AV	Crack or Patch	604	88	\$926	2007.29
MIDDLE ST	RICHARDS AV	STATE ST	Crack or Patch	676	87	\$721	2029.52
MIDDLE ST	STATE ST	ISLINGTON ST	Do Nothing	402	95	\$0	0.00
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0.00
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	100	\$0	0.00

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MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0.00
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Prev. Maintenance	248	72	\$5,580	43.07
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Const. AR/CO	1,417	60	\$403,058	7.49
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Prev. Maintenance	498	75	\$7,719	41.35
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Overlay LO	420	62	\$18,480	6.50
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	36	\$27,482	2.04
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crack or Patch	397	89	\$291	45.12
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Do Nothing	446	97	\$0	0.00
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	73	\$3,973	42.48
MONROE ST	WARD PL	MIDDLE RD	Prev. Maintenance	342	72	\$7,524	10.76
MONROE ST EX	SOUTH ST	DEAD END	Prev. Maintenance	244	76	\$2,806	5.10
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0.00
MORNING ST	WOODBURY AV	BARTLETT ST	Full Depth Const. LO	616	43	\$101,982	3.43
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Prev. Maintenance	396	73	\$4,356	10.62
MYRTLE AV	RTÉ 1 BYPASS SB	DEAD END	Crack or Patch	830	86	\$553	46.64
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crack & Patch	1,690	79	\$10,442	19.62
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	73	\$115,713	127.46
NEWCASTLE AV	SOUTH ST	MARCY ST	Prev. Maintenance	842	77	\$10,105	28.20
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR	Crack or Patch	1,060	86	\$848	615.67
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	468	45	\$127,842	3.28
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Const. LO	907	53	\$202,715	2.78
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crack & Patch	234	84	\$458	18.46
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	68	\$27,918	2.96
OAK AVE	CORPORATE DR	PINECREST TER (E)	Full Depth Const. LO	754	51	\$149,795	5.78
OAK AVE	50' W OF MAPLEWOOD DR	243' E OF INTERNATIONAL DR	Full Depth Const. LO	650	45	\$134,514	6.56
OAK AVE	243' E OF INTERNATIONAL DR	INTERNATIONAL DR	Full Depth Const. LO	243	55	\$50,288	5.36
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	98	\$0	0.00
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	Crack & Patch	797	82	\$4,534	9.45
ODIORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crack or Patch	1,586	92	\$1,745	43.70
ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crack & Patch	1,994	85	\$11,698	18.24
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crack & Patch	211	81	\$2,067	9.57
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Const. LO	309	56	\$63,946	2.63
OPAL AV	DIAMOND DR	TOPAZ PL	Crack & Patch	264	75	\$1,173	20.66
ORANGE ST	KEARSARGE WY	OAK ST	Do Nothing	225	93	\$0	0.00
ORCHARD CT	WILLARD AV	DEAD END	Prev. Maintenance	187	77	\$1,870	5.03
ORCHARD ST	WILLARD AV	WIBIRD ST	Overlay LO	1,200	62	\$26,400	6.50

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OSPREY DR	SHEARWATER DR/PORTSMOUTH	LINCOLN WY	Full Depth Const. LO	1,996	44	\$330,449	3.35
OXFORD AV	GREENLAND RD #1	DEAD END	Crack or Patch	799	87	\$533	92.25
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	99	\$0	0.00
PARK ST	ORCHARD ST	LINCOLN ST	Crack & Patch	680	74	\$3,022	20.93
PARK ST	LINCOLN ST	MIDDLE ST	Full Depth Const. LO	607	32	\$125,615	-4.61
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	97	\$0	0.00
PARKER ST	TANNER CT	HANOVER ST	Full Depth Const. LO	95	47	\$15,777	3.14
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0.00
PARROT AV	ROGERS ST	JUNKINS AV	Crack & Patch	737	82	\$4,850	75.64
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Const. LO	106	48	\$32,550	12.30
PARTRIDGE ST	MARCY ST	DEAD END	Do Nothing	252	95	\$0	0.00
PATRICIA DR	OCEAN RD	DEAD END	Full Depth Const. LO	410	48	\$98,423	1.53
PEARL ST	HANOVER ST	ISLINGTON ST	Crack & Patch	301	84	\$1,605	18.46
PEARSON ST	PLAINS AV #1	DEAD END	Full Depth Const. LO	849	48	\$126,501	1.53
PEASE BV	New Hampshire Ave	466' E of New Hampshire Ave	Do Nothing	466	100	\$0	0.00
PEASE BV	466' E of New Hampshire Ave	860' E of New Hampshire Ave	Do Nothing	391	100	\$0	0.00
PEASE BV	860' E of New Hampshire Ave	SPAULDING TNPK	Do Nothing	2,169	100	\$0	0.00
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Do Nothing	2,129	100	\$0	0.00
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	99	\$0	0.00
PENHALLOW ST	DANIEL ST	BOW ST	Full Depth Const. LO	423	54	\$101,423	2.73
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Overlay AR/CO	546	65	\$10,920	101.38
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crack & Patch	325	75	\$1,733	454.54
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,489	57.97
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	58	\$158,450	42.72
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	100	\$0	0.00
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	100	\$0	0.00
PEVERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	100	\$0	0.00
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Overlay AR/CO	573	66	\$22,283	45.38
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0.00
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0.00
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0.00
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Overlay LO	305	63	\$7,717	24.33
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Const. LO	1,117	53	\$221,911	10.58
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Const. LO	1,192	53	\$236,811	10.58
PIERCE PL	CLEVELAND DR	TAFT RD	Crack or Patch	353	86	\$400	93.28
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	99	\$0	0.00

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PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	99	\$0	0.00
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	518	52	\$39,767	7.22
PLAINS AV #2	PLAINS AV #1	PLAINS AV #1	Overlay LO	457	65	\$10,054	6.20
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crack or Patch	1,188	86	\$1,109	46.64
PLEASANT ST	MARCY ST	WENTWORTH ST	Overlay w/mill AR/CO	625	66	\$16,125	70.38
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	58	\$97,768	12.81
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	70	\$20,098	91.59
PLEASANT ST	COURT ST	STATE ST	Do Nothing	205	95	\$0	0.00
PLEASANT ST	STATE ST	CONGRESS ST	Crack & Patch	427	83	\$3,796	246.63
POLK AV	TAFT RD	HARRISON AV	Crack & Patch	244	81	\$1,735	19.14
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	99	\$0	0.00
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Do Nothing	371	100	\$0	0.00
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Full Depth Reclaim LO	581	60	\$22,323	6.26
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0.00
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0.00
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	100' N OF OSPREY DR	Crack & Patch	1,020	85	\$3,626	72.99
PORTSMOUTH BLVD (CLOSED)	995' N OF OSPREY DR	DUNLIN WAY	Full Depth Const. LO	983	37	\$162,741	15.95
PORTSMOUTH BLVD (SOUTH SIDE OF MEDIAN)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0.00
PORTSMOUTH BLVD (SOUTH SIDE OF MEDIAN)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0.00
POST RD	HERITAGE AV #2	CUL-DE-SAC	Do Nothing	600	99	\$0	0.00
PRAY ST	MARCY ST	DEAD END	Prev. Maintenance	268	77	\$1,608	5.03
PREBLE WY	KEARSARGE ST	DEAD END	Do Nothing	734	93	\$0	0.00
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Const. LO	203	53	\$43,690	1.39
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crack & Patch	358	84	\$1,591	18.46
RALEIGH WY	RANGER WY	SARATOGA WAY	Crack or Patch	806	87	\$511	92.25
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	97	\$0	0.00
RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	99	\$0	0.00
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	100	\$0	0.00
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	100	\$0	0.00
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Full Depth Const. LO	250	46	\$72,431	3.20
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Overlay LO	1,892	61	\$60,355	6.61
RICCI AV	JOAN AV	ROBERTS AV	Prev. Maintenance	390	73	\$5,850	10.62
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0.00
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0.00
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0.00
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	32	\$33,575	4.61

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RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	99	\$0	0.00
ROBERT AV	LAFAYETTE RD	ANNE AV	Prev. Maintenance	875	73	\$15,313	10.62
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0.00
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	32	\$637,720	4.61
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Full Depth Const. LO	592	48	\$147,013	3.07
ROCK ST	ISLINGTON ST	SUDBURY ST	Overlay w/mill LO	400	64	\$10,218	9.67
ROCKAWAY ST	JENKINS AV	DEAD END	Crack & Patch	148	79	\$579	9.81
ROCKINGHAM AV	SAPPHIRE ST	WOODBURY AV	Full Depth Const. LO	622	49	\$128,719	3.01
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crack & Patch	318	80	\$1,413	62.01
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Crack & Patch	526	79	\$2,338	62.79
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	99	\$0	0.00
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0.00
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0.00
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0.00
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	99	\$0	0.00
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0.00
ROGERS ST	COURT ST	PARROT AV	Crack & Patch	523	73	\$1,860	29.71
RUBY RD	EDMOND AV	DIAMOND DR	Crack & Patch	448	75	\$1,991	20.66
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Const. AR/CO	358	49	\$140,135	13.77
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	68	\$18,600	26.43
RUTH ST	THORNTON ST	DEAD END	Overlay LO	253	63	\$6,123	3.20
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crack & Patch	247	82	\$1,317	18.91
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Crack & Patch	1,622	75	\$7,209	20.66
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0.00
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0.00
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Crack or Patch	208	90	\$222	1750.00
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0.00
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Overlay AR/CO	610	65	\$21,671	90.32
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Overlay AR/CO	1,655	65	\$58,827	90.32
SAGAMORE GROVE RD	Sagamore Av	End	Crack or Patch	557	90	\$278	17.85
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	99	\$0	0.00
SALTER ST	MARCY ST	DEAD END	Do Nothing	331	95	\$0	0.00
SANDERLING WAY	BLUE HERON DR	OSPREY DR	Full Depth Const. LO	845	47	\$209,842	3.14
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Const. LO	491	55	\$101,610	2.68
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Const. LO	238	52	\$49,253	2.83
SARATOGA WY	BEDFORD WY	CRESCENT WY	Crack or Patch	792	90	\$528	89.28

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SCHURMAN AV	COLONIAL DR	DEAD END	Overlay LO	164	71	\$4,510	2.84
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	100	\$0	0.00
SEWALL RD	ALDRICH RD	THAXTER RD	Overlay LO	237	66	\$4,953	6.11
SEWALL RD	THAXTER RD	SPINNEY RD	Crack & Patch	1,204	84	\$5,137	18.46
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Do Nothing	633	93	\$0	0.00
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Full Depth Const. LO	391	45	\$64,732	3.28
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Crack & Patch	357	81	\$1,888	19.14
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Crack & Patch	350	81	\$1,431	19.14
SHEARWATER DR	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Full Depth Const. LO	326	47	\$83,655	12.56
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crack & Patch	1,363	82	\$7,754	18.91
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crack or Patch	1,066	88	\$782	91.24
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Do Nothing	154	95	\$0	0.00
SHERBURNE RD	GREENLAND RD	385' N OF GREENLAND RD	Crack & Patch	377	84	\$2,684	72.96
SHERBURNE RD	385' N OF GREENLAND RD	800' N OF GREENLAND RD	Crack or Patch	423	90	\$535	352.85
SHERBURNE RD	800' N OF GREENLAND RD	948' N OF GREENLAND RD	Crack & Patch	148	82	\$921	18.91
SHERBURNE RD	948' N OF GREENLAND RD	WITMER AV	Crack & Patch	2,046	80	\$10,548	19.37
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Const. LO	279	55	\$32,333	1.54
SIMONDS RD	SUZANNE DR	SUZANNE DR	Do Nothing	855	99	\$0	0.00
SIMS AV	MELBOURNE ST	DEAD END	Prev. Maintenance	660	74	\$6,600	5.23
SNUG HARBOR AVE	WOODBURY AV	106' W OF WOODBURY AV	Do Nothing	106	98	\$0	0.00
SNUG HARBOR AVE	106' W OF WOODBURY AV	DEAD END	Do Nothing	82	33	\$0	0.00
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	437	38	\$75,965	3.88
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0.00
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crack or Patch	469	89	\$344	90.25
SOUTH ST	MARCY ST	JUNKINS AV	Prev. Maintenance	1,857	72	\$24,141	49.81
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Prev. Maintenance	479	73	\$6,223	152.95
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	100	\$0	0.00
SOUTH ST	RICHARDS ST	MILLER AV	Prev. Maintenance	348	73	\$4,521	152.95
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	100	\$0	0.00
SOUTH ST	UNION ST	WIBIRD ST	Overlay AR/CO	373	61	\$10,764	70.70
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	100	\$0	0.00
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Overlay AR/CO	753	61	\$21,742	70.70
SPARHAWK ST	DENNETT ST	THORTON ST	Full Depth Const. LO	268	54	\$75,427	2.73
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Const. LO	567	54	\$117,338	2.73
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crack & Patch	1,240	84	\$5,291	59.08
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Overlay w/mill AR/CO	632	62	\$21,725	23.97

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	100	\$0	0.00
STARK ST	CLINTON ST	DENNETT ST	Full Depth Const, LO	951	50	\$196,804	0.41
STARK ST	DENNETT ST	166' W OF DENETT ST	Overlay LO	166	68	\$5,478	5.93
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Full Depth Const, LO	333	40	\$55,130	0.59
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	71	\$123,944	31.39
STATE ST	MIDDLE ST	FLEET ST	Crack & Patch	650	81	\$4,853	382.84
STATE ST	FLEET ST	PLEASANT ST	Crack & Patch	420	79	\$3,136	392.46
STATE ST	PLEASANT ST	WRIGHT AV	Do Nothing	930	99	\$0	0.00
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	99	\$0	0.00
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	99	\$0	0.00
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	427	49	\$130,781	3.01
SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Const, LO	261	59	\$41,050	2.50
SUMMER ST	ISLINGTON ST	MIDDLE ST	Full Depth Reclaim AR/CO	1,147	52	\$166,544	36.21
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Const. LO	551	57	\$155,076	1.29
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	57	\$60,559	6.59
SUTTON AV	SHERBURNE RD	DEAD END	Crack & Patch	631	81	\$2,580	9.57
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Do Nothing	3,884	99	\$0	0.00
SUZANNE DR #2	LA FAYETTE RD	SUZANNE DR	Do Nothing	343	99	\$0	0.00
SWEATT AV	MIDDLE RD	DEAD END	Crack or Patch	890	87	\$593	46.12
SYLVESTER ST	MIDDLE RD	DEAD END	Crack or Patch	345	87	\$207	46.12
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	69	\$34,038	5.84
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	71	\$35,848	8.71
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Prev. Maintenance	322	74	\$4,830	10.47
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	71	\$76,923	5.68
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	71	\$18,622	22.73
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0.00
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0.00
TANNER ST	HANOVER ST	HILL ST	Do Nothing	124	95	\$0	0.00
TAYLOR LN	HARDING RD	ARTHUR RD	Crack or Patch	361	86	\$361	93.28
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crack & Patch	696	78	\$3,712	19.87
THAXTER RD	ISLINGTON ST	SUNSET RD	Overlay LO	900	68	\$24,750	5.93
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,647	5.76
THORNTON ST	RUTH ST	BARTLETT ST	Crack or Patch	1,824	89	\$1,581	90.25
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0.00
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0.00
TOPAZ PL	OPAL AV	ONYX LN	Crack & Patch	297	76	\$1,320	20.39

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
TRUMAN PL	MCKINLEY RD	HARDING RD	Crack & Patch	378	84	\$1,949	18.46
TYLER PL	HARDING RD	DWIGHT AV	Do Nothing	147	95	\$0	0.00
UNION ST	ISLINGTON ST	MIDDLE ST	Full Depth Const. LO	1,367	46	\$339,472	3.20
UNION ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,015	41	\$500,392	3.60
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Const. LO	245	53	\$68,954	2.78
VAN BUREN AV	FILMORE RD	HARRISON AV	Prev. Maintenance	1,028	73	\$16,448	10.62
VAUGHAN ST	RAYNES AV	MAPLEWOOD AV	Full Depth Const. LO	796	48	\$243,797	3.07
VERDUN ST	SAGAMORE RD	MARNE AV	Crack & Patch	424	79	\$1,432	7.84
VERSAILLES AV	JONES AV	DEAD END	Full Depth Const. LO	314	55	\$49,385	1.34
VICTORY RD	COLONIAL DR	DEAD END	Crack or Patch	146	90	\$97	44.64
VINE ST	ISLINGTON ST	MELBOURNE ST	Overlay LO	238	68	\$4,974	5.93
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	98	\$0	0.00
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Const. LO	2,028	54	\$302,172	2.73
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Const. LO	749	53	\$124,001	1.39
WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	97	\$0	0.00
WALLIS RD	SUZANNE DR	SUZANNE DR	Do Nothing	820	99	\$0	0.00
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	100	\$0	0.00
WARD PL	MONROE ST	MIDDLE RD	Overlay LO	230	66	\$5,819	6.11
WASHINGTON ST	STATE ST	HANCOCK ST	Crack or Patch	819	89	\$519	52.34
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Do Nothing	357	93	\$0	0.00
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	100	\$0	0.00
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	64	\$8,593	3.15
WEST RD	PEVERLY HILL RD	1733' S OF PEVERLY HILL R	Full Depth Const. LO	1,745	44	\$491,121	33.54
WEST RD	1733' S OF PEVERLY HILL R	CAMPUS DR	Full Depth Reclaim LO	1,681	53	\$158,985	7.08
WEST RD	CAMPUS DR	LAFAYETTE RD	Full Depth Const. LO	1,234	46	\$326,873	12.83
WHIDDEN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	250	44	\$41,389	1.67
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Overlay LO	305	71	\$7,381	2.84
WHIPPLE ST	DENNETT ST	THORNTON ST	Do Nothing	306	95	\$0	0.00
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	99	\$0	0.00
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	99	\$0	0.00
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crack or Patch	497	89	\$685	90.25
WIBIRD ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,020	57	\$668,844	2.58
WILLARD AV	LAFAYETTE RD	WIBIRD ST	Crack & Patch	1,477	85	\$9,190	18.24
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0.00
WILSON RD	TAFT RD	930' W OF TAFT RD	Prev. Maintenance	948	73	\$12,798	10.62
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Prev. Maintenance	496	74	\$6,448	10.47

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Do Nothing	524	99	\$0	0.00
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	99	\$0	0.00
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	99	\$0	0.00
WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	99	\$0	0.00
WINTER ST	STATE ST	AUSTIN ST	Crack & Patch	396	84	\$1,408	18.46
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crack or Patch	337	90	\$247	89.28
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Crack & Patch	2,453	75	\$32,707	1033.05
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crack & Patch	983	84	\$5,592	480.05
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	96	\$0	0.00
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crack & Patch	3,469	75	\$16,034	362.97
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crack or Patch	940	90	\$1,253	2321.42
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crack or Patch	1,393	90	\$1,486	1089.28
WOODBURY AV	MORNING ST	BARTLETT ST	Crack or Patch	293	90	\$235	1089.28
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	99	\$0	0.00
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Crack & Patch	862	72	\$4,597	559.38
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Overlay LO	373	68	\$9,015	0.59
WOODLAWN CR	WOODBURY AV	ECHO AV	Crack & Patch	1,583	84	\$7,036	18.46
WOODWORTH AV	MIDDLE RD	DEAD END	Crack or Patch	908	88	\$545	45.62
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	68	\$2,668	2.96
WRIGHT AV	DANIEL ST	STATE ST	Full Depth Reclaim LO	216	53	\$31,920	7.08

2014 PCI

103.51 Miles S 28,103,713



Appendix B

Backlog List by PCI ■

*All Backlogs are based from PCI's projected to April 2015

Pavement Backlog- by PCI

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
HODGON LN	WOODBURY AV	DEAD END	Do Nothing	403	22	\$0	0.00
ARBORETUM DRIVE	SHORT ST	DEAD END	Full Depth Const. LO	4,657	31	\$886,622	4.76
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	32	\$637,720	4.61
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	32	\$33,575	4.61
PARK ST	LINCOLN ST	MIDDLE ST	Full Depth Const. LO	607	32	\$125,615	4.61
SNUG HARBOR AVE	106' W OF WOODBURY AV	DEAD END	Do Nothing	82	33	\$0	0.00
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	34	\$128,024	17.36
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Full Depth Const. LO	970	36	\$208,766	4.09
DURHAM ST	AVIATION AV	DEAD END	Full Depth Const. LO	768	36	\$127,147	2.04
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	36	\$27,482	2.04
LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	36	\$68,168	2.04
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Full Depth Const. AR/CO	352	37	\$84,480	24.31
PORTSMOUTH BLVD (CLOS	995' N OF OSPREY DR	DUNLIN WAY	Full Depth Const. LO	983	37	\$162,741	15.95
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	437	38	\$75,965	3.88
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	38	\$19,892	3.88
COFFIN CT	CABOT ST	UNION ST	Full Depth Const. LO	335	38	\$30,504	3.88
ASHLAND ST	CUTTS AV	CENTRAL AV	Full Depth Const. LO	350	38	\$43,458	3.88
MADISON ST	MIDDLE ST	STATE ST	Full Depth Const. LO	1,004	39	\$207,772	3.78
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,904	1.84
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Full Depth Const. LO	333	40	\$55,130	0.59
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Full Depth Const. LO	830	41	\$206,117	14.40
FLEET ST	COURT ST	HANOVER ST	Full Depth Const. AR/CO	1,046	41	\$232,444	8.22
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Full Depth Const. LO	1,788	41	\$444,020	3.60
EDWARDS ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	41	\$43,044	3.60
UNION ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,015	41	\$500,392	3.60
ELM CT	ISLINGTON ST	DEAD END	Full Depth Const. LO	107	41	\$15,943	1.80
AVIATION AV	HAMPTON RD	ROCHESTER AV	Full Depth Const. LO	2,409	41	\$578,222	1.80
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Full Depth Const. LO	706	42	\$163,635	3.51
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Full Depth Const. LO	1,858	42	\$353,800	3.51
CUTTS ST	ASHLAND ST	CENTRAL ST	Full Depth Const. LO	763	43	\$176,846	13.73
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Full Depth Const. LO	261	43	\$60,494	3.50
MORNING ST	WOODBURY AV	BARTLETT ST	Full Depth Const. LO	616	43	\$101,982	3.43

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
GREENLAND RD #2	DEAD END	SHERBURN DR	Full Depth Const. LO	467	43	\$123,703	1.71
FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Full Depth Const. LO	221	43	\$36,588	1.71
DEER ST	RUSSELL ST	MARKET ST	Full Depth Const. AR/CO	483	44	\$214,789	66.45
MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Const. AR/CO	619	44	\$220,196	61.34
WEST RD	PEVERLY HILL RD.	1733' S OF PEVERLY HILL R	Full Depth Const. LO	1,745	44	\$491,121	33.54
COLUMBIA ST	STATE ST	ISLINGTON ST	Full Depth Const. LO	498	44	\$136,037	3.35
AUSTIN ST	MIDDLE ST	SUMMER ST	Full Depth Const. LO	481	44	\$131,393	3.35
OSPREY DR.	SHEARWATER DR/PORTSMOUTH	DUNLIN WY	Full Depth Const. LO	1,996	44	\$330,449	3.35
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	44	\$155,523	3.35
WHIDDEN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	250	44	\$41,389	1.67
OAK AVE	50' W OF MAPLEWOOD DR.	243' E OF INTERNATIONAL DR	Full Depth Const. LO	650	45	\$134,514	6.56
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	468	45	\$127,842	3.28
HAWTHORNE ST	WIBIRD ST	UNION ST	Full Depth Const. LO	368	45	\$79,202	3.28
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX	Full Depth Const. LO	913	45	\$211,613	3.28
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Full Depth Const. LO	348	45	\$66,255	3.28
ALDER WAY	KANE ST	DEAD END	Full Depth Const. LO	208	45	\$43,044	3.28
GREEN ST	VAUGHAN ST	RUSSELL ST	Full Depth Const. LO	487	45	\$92,719	3.28
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Full Depth Const. LO	2,029	45	\$503,868	3.28
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Full Depth Const. LO	391	45	\$64,732	3.28
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Full Depth Const. LO	2,170	45	\$592,772	3.28
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Full Depth Const. LO	971	45	\$184,944	3.28
COLUMBIA CT	COLUMBIA ST	DEAD END	Full Depth Const. LO	207	45	\$53,119	1.64
WEST RD	CAMPUS DR	LAFAYETTE RD	Full Depth Const. LO	1,234	46	\$326,873	12.83
MANCHESTER SQ	500' W OF INTERNATIONAL	DNEW HAMPSHIRE DR	Full Depth Const. AR/CO	512	46	\$118,329	9.77
MARTHA TR	PATRICIA DR	OCEAN RD	Full Depth Const. LO	1,095	46	\$271,925	3.20
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Full Depth Const. LO	2,043	46	\$422,788	3.20
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Full Depth Const. LO	250	46	\$72,431	3.20
UNION ST	ISLINGTON ST	MIDDLE ST	Full Depth Const. LO	1,367	46	\$339,472	3.20
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Full Depth Const. LO	1,590	46	\$302,661	3.20
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Full Depth Const. AR/CO	297	47	\$110,805	62.21
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Const. AR/CO	4,692	47	\$1,084,373	19.14
SHEARWATER DR	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Full Depth Const. LO	326	47	\$83,655	12.56
AUSTIN ST	UNION ST	MADISON ST	Full Depth Const. LO	251	47	\$37,399	3.14
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Const. LO	277	47	\$64,202	3.14
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Full Depth Const. LO	944	47	\$257,869	3.14
SANDERLING WAY	BLUE HERON DR.	OSPREY DR	Full Depth Const. LO	845	47	\$209,842	3.14

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
PARKER ST	TANNER CT	HANOVER ST	Full Depth Const. LO	95	47	\$15,777	3.14
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Const. LO	106	48	\$32,550	12.30
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Full Depth Const. LO	592	48	\$147,013	3.07
AUSTIN ST	CABOT ST	UNION ST	Full Depth Const. LO	339	48	\$92,604	3.07
VAUGHAN ST	RAYNES AV	MAPLEWOOD AV	Full Depth Const. LO	796	48	\$243,797	3.07
PATRICIA DR	OCEAN RD	DEAD END	Full Depth Const. LO	410	48	\$98,423	1.53
PEARSON ST	PLAINS AV #1	DEAD END	Full Depth Const. LO	849	48	\$126,501	1.53
MARK ST	COURT ST	DEAD END	Full Depth Const. LO	244	48	\$36,356	1.53
DURGIN LN #2	DURGIN LN (EB & WB)	222' W OF DURGIN LN	Full Depth Const. LO	222	48	\$91,883	1.53
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Full Depth Const. LO	127	48	\$23,128	1.53
HEATHER LN	BUCKMINSTER WY	DEAD END	Full Depth Const. LO	134	48	\$36,604	1.53
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Const. LO	206	48	\$28,989	1.53
CHURCH ST	STATE ST	DEAD END	Full Depth Const. LO	260	48	\$32,281	1.53
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Const. AR/CO	358	49	\$140,135	13.77
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	427	49	\$130,781	3.01
ROCKINGHAM AV	SAPPHIRE ST	WOODBURY AV	Full Depth Const. LO	622	49	\$128,719	3.01
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Const. LO	837	49	\$145,499	3.01
DURGIN LN #2	512' W OF DURGIN LN	718' W OF DURGIN LN	Full Depth Const. LO	206	49	\$61,388	3.01
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	50	\$89,662	7.51
LAWRENCE ST	MIDDLE ST	BOSS AV	Full Depth Const. LO	312	50	\$56,819	2.95
FRANKLIN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	244	50	\$44,435	1.47
STARK ST	CLINTON ST	DENNETT ST	Full Depth Const. LO	951	50	\$196,804	0.41
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Full Depth Const. AR/CO	345	51	\$134,933	22.05
OAK AVE	CORPORATE DR	PINECREST TER (E)	Full Depth Const. LO	754	51	\$149,795	5.78
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Const. LO	296	51	\$63,706	2.89
CLIFF RD #2	DEAD END	DEAD END	Full Depth Const. LO	317	51	\$62,977	1.44
SUMMER ST	ISLINGTON ST	MIDDLE ST	Full Depth Reclaim AR/CO	1,147	52	\$166,544	36.21
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	52	\$30,690	7.22
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	518	52	\$39,767	7.22
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Const. LO	971	52	\$281,320	2.83
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Const. LO	356	52	\$58,938	2.83
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Const. LO	463	52	\$134,141	2.83
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Const. LO	238	52	\$49,253	2.83
HUNTERS HILL	DENNETT ST	DEAD END	Full Depth Const. LO	239	52	\$0	2.83
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Const. LO	611	52	\$161,874	2.83
ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Full Depth Const. LO	812	52	\$168,039	1.41

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Const. LO	618	52	\$102,231	1.41
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Full Depth Const. LO	380	52	\$106,836	1.41
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Full Depth Const. LO	141	52	\$56,104	1.41
ESSEX AV	MELBOURNE ST	MIDDLE RD	Full Depth Reclaim AR/CO	1,404	53	\$181,210	46.75
JUNKINS AV	PARROT AV	PLEASANT ST	Full Depth Reclaim AR/CO	343	53	\$37,331	36.32
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Const. LO	1,117	53	\$221,911	10.58
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Const. LO	1,192	53	\$236,811	10.58
WRIGHT AV	DANIEL ST	STATE ST	Full Depth Reclaim LO	216	53	\$31,920	7.08
CHAPEL ST	DANIEL ST	STATE ST	Full Depth Reclaim LO	287	53	\$18,661	7.08
MELBOURNE ST	VINE ST	RUTLAND ST	Full Depth Reclaim LO	1,436	53	\$106,104	7.08
WEST RD	1733' S OF PEVERLY HILL R	CAMPUS DR	Full Depth Reclaim LO	1,681	53	\$158,985	7.08
FRANKLIN AV	WOODBURY AV	DEAD END	Full Depth Reclaim LO	738	53	\$61,074	3.54
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	434	53	\$107,777	2.78
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Const. LO	510	53	\$143,537	2.78
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Const. LO	907	53	\$202,715	2.78
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Const. LO	245	53	\$68,954	2.78
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Const. LO	749	53	\$124,001	1.39
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Const. LO	203	53	\$43,690	1.39
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Const. AR/CO	338	54	\$102,151	54.15
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Const. AR/CO	1,926	54	\$445,120	20.82
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Const. AR/CO	2,573	54	\$754,747	17.07
FARM LN	200' E OF SPAULDING TP	SPAULDING TP	Full Depth Reclaim LO	253	54	\$22,433	12.24
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Const. LO	2,028	54	\$302,172	2.73
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Const. LO	567	54	\$117,338	2.73
SPARHAWK ST	DENNETT ST	THORTON ST	Full Depth Const. LO	268	54	\$75,427	2.73
PENHALLOW ST	DANIEL ST	BOW ST	Full Depth Const. LO	423	54	\$101,423	2.73
DODGE AV	GREENLAND RD	DEAD END	Full Depth Const. LO	807	54	\$180,365	1.36
MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Const. LO	1,162	54	\$230,851	1.36
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Const. LO	422	54	\$90,759	1.36
CHESTNUT ST #2	STATE ST	COURT ST	Full Depth Reclaim LO	196	55	\$20,854	6.83
OAK AVE	243' E OF INTERNATIONAL DR	INTERNATIONAL DR	Full Depth Const. LO	243	55	\$50,288	5.36
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Const. LO	188	55	\$28,012	3.00
ARTHUR F BRADY DR	WOODBURY AV	END	Full Depth Const. LO	951	55	\$314,887	2.68
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Const. LO	491	55	\$101,610	2.68
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Const. LO	284	55	\$47,018	2.68
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Const. LO	279	55	\$32,333	1.34

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VERSAILLES AV	JONES AV	DEAD END	Full Depth Const. LO	314	55	\$49,385	1.34
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Full Depth Reclaim AR/CO	940	56	\$253,938	35.40
DURGIN LN #2	222' W OF DURGIN LN	512' W OF DURGIN LN	Full Depth Const. LO	290	56	\$86,420	10.54
BURKITT ST	CLINTON ST	THORNTON ST	Full Depth Reclaim LO	575	56	\$44,186	6.70
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	56	\$15,601	3.35
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Const. LO	326	56	\$64,765	2.63
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Const. LO	309	56	\$63,946	2.63
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Const. LO	229	56	\$60,660	1.31
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Full Depth Reclaim LO	204	57	\$12,059	26.36
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	57	\$60,559	6.59
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Const. LO	235	57	\$23,343	2.58
WIBIRD ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,020	57	\$668,844	2.58
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Const. LO	551	57	\$155,076	1.29
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	58	\$158,450	42.72
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	58	\$97,768	12.81
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Full Depth Const. AR/CO	133	58	\$29,556	7.75
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Full Depth Reclaim LO	1,093	58	\$74,320	6.47
SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Const. LO	261	59	\$41,050	2.50
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Const. AR/CO	1,417	60	\$403,058	7.49
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Full Depth Reclaim LO	581	60	\$22,323	6.26
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Full Depth Reclaim LO	395	60	\$31,505	6.26
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Overlay w/mill AR/CO	1,313	61	\$79,025	197.99
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Overlay AR/CO	753	61	\$21,742	70.70
SOUTH ST	UNION ST	WIBIRD ST	Overlay AR/CO	373	61	\$10,764	70.70
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Overlay LO	396	61	\$13,939	66.12
HARDING RD	ADAMS AV	MCKINLEY RD	Overlay w/mill LO	1,822	61	\$73,487	10.14
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Overlay LO	1,892	61	\$60,355	6.61
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,489	57.97
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	62	\$25,573	37.53
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Overlay w/mill AR/CO	632	62	\$21,725	23.97
ORCHARD ST	WILLARD AV	WIBIRD ST	Overlay LO	1,200	62	\$26,400	6.50
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Overlay LO	420	62	\$18,480	6.50
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	62	\$33,851	6.50
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	63	\$28,101	152.13
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Overlay LO	305	63	\$7,717	24.33
BOW ST	DANIEL ST	464' N OF DANIEL ST	Overlay AR/CO	454	63	\$14,124	14.26

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LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Overlay LO	2,714	63	\$53,737	6.40
DIAMOND DR	ONYX LA	RUBY RD	Overlay LO	680	63	\$18,700	6.40
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Overlay LO	3,872	63	\$136,291	6.40
RUTH ST	THORNTON ST	DEAD END	Overlay LO	253	63	\$6,123	3.20
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	63	\$10,692	3.20
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	63	\$20,605	3.20
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	64	\$28,486	168.48
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Overlay w/mill AR/CO	798	64	\$30,883	56.39
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Overlay w/mill LO	2,157	64	\$57,999	9.67
ROCK ST	ISLINGTON ST	SUDBURY ST	Overlay w/mill LO	400	64	\$10,218	9.67
HIGH ST	225' W OF HANOVER ST	DEER ST	Overlay LO	312	64	\$6,178	6.30
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	64	\$17,688	6.30
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Overlay LO	1,295	64	\$45,584	3.15
BENSON ST	SIMS AV	DEAD END	Overlay LO	249	64	\$4,382	3.15
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	64	\$8,593	3.15
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Overlay AR/CO	546	65	\$10,920	101.38
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Overlay AR/CO	610	65	\$21,671	90.32
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Overlay AR/CO	1,655	65	\$58,827	90.32
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Overlay AR/CO	983	65	\$28,398	46.08
DENNETT ST	MAPLEWOOD AV	KANE ST	Overlay AR/CO	827	65	\$19,297	46.08
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Overlay LO	839	65	\$22,150	6.20
PLAINS AV #2	PLAINS AV #1	PLAINS AV #1	Overlay LO	457	65	\$10,054	6.20
PLEASANT ST	MARCY ST	WENTWORTH ST	Overlay w/mill AR/CO	625	66	\$16,125	70.38
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Overlay AR/CO	573	66	\$22,283	45.38
BRIDGE ST	HANOVER ST	ISLINGTON ST	Overlay AR/CO	379	66	\$14,731	13.61
SEWALL RD	ALDRICH RD	THAXTER RD	Overlay LO	237	66	\$4,953	6.11
WARD PL	MONROE ST	MIDDLE RD	Overlay LO	230	66	\$5,819	6.11
MANNING PL	GATES ST	END	Overlay LO	64	66	\$915	3.05
DEER ST	MAPLEWOOD AV	RUSSELL ST	Overlay AR/CO	447	67	\$24,856	116.24
BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Overlay AR/CO	3,514	67	\$89,802	80.47
BROAD ST	LINCOLN ST	SOUTH ST	Overlay LO	1,541	67	\$54,258	60.21
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,689	105.72
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Overlay AR/CO	774	68	\$38,700	88.10
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	68	\$18,600	26.43
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	68	\$35,004	17.62
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Overlay LO	556	68	\$10,397	5.93

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VINE ST	ISLINGTON ST	MELBOURNE ST	Overlay LO	238	68	\$4,974	5.93
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	68	\$16,817	5.93
THAXTER RD	ISLINGTON ST	SUNSET RD	Overlay LO	900	68	\$24,750	5.93
STARK ST	DENNETT ST	166' W OF DENETT ST	Overlay LO	166	68	\$5,478	5.93
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	68	\$19,592	4.55
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	68	\$27,918	2.96
FLETCHER ST	SIMS AV	DEAD END	Overlay LO	178	68	\$3,916	2.96
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	68	\$2,668	2.96
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Overlay LO	373	68	\$9,015	0.59
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$5,783	53.86
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	69	\$34,038	5.84
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	69	\$71,757	5.84
DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	69	\$28,655	5.84
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	69	\$15,173	5.84
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	69	\$7,338	4.48
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	70	\$20,098	91.59
HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	70	\$7,333	42.79
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	70	\$8,470	5.76
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Overlay LO	1,071	70	\$35,343	5.76
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,647	5.76
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	70	\$14,439	4.42
MAPLEWOOD AV	300' E OF DENNETT ST	RAYNES AV	Overlay AR/CO	516	71	\$22,920	34.59
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	71	\$123,944	31.39
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	71	\$18,622	22.73
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	71	\$44,000	19.32
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	71	\$53,460	16.04
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	71	\$85,833	10.25
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	71	\$35,848	8.71
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	71	\$29,753	5.68
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	71	\$33,165	5.68
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	71	\$35,442	5.68
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	71	\$76,923	5.68
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	71	\$26,684	5.68
SCHURMAN AV	COLONIAL DR	DEAD END	Overlay LO	164	71	\$4,510	2.84
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Overlay LO	305	71	\$7,381	2.84
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Crack & Patch	862	72	\$4,597	559.38

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ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Prev. Maintenance	3,314	72	\$59,647	301.53
SOUTH ST	MARCY ST	JUNKINS AV	Prev. Maintenance	1,857	72	\$24,141	49.81
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Prev. Maintenance	248	72	\$5,580	43.07
JOAN AV	ANNE AV	RICCI AV	Prev. Maintenance	325	72	\$4,875	10.76
HIGH ST #2	CONGRESS ST	LADD ST	Prev. Maintenance	224	72	\$2,128	10.76
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Prev. Maintenance	1,364	72	\$15,004	10.76
MONROE ST	WARD PL	MIDDLE RD	Prev. Maintenance	342	72	\$7,524	10.76
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Crack & Patch	700	72	\$5,602	10.75
DENNETT ST	KANE ST	WOODBURY AV	Crack & Patch	2,702	73	\$13,930	212.22
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Prev. Maintenance	475	73	\$10,213	191.19
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Prev. Maintenance	3,172	73	\$42,819	169.95
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Prev. Maintenance	479	73	\$6,223	152.95
SOUTH ST	RICHARDS ST	MILLER AV	Prev. Maintenance	348	73	\$4,521	152.95
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	73	\$115,713	127.46
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	73	\$3,973	42.48
ROGERS ST	COURT ST	PARROT AV	Crack & Patch	523	73	\$1,860	29.71
ASH ST	ORCHARD ST	WILLARD AV	Prev. Maintenance	279	73	\$4,185	10.62
RICCI AV	JOAN AV	ROBERTS AV	Prev. Maintenance	390	73	\$5,850	10.62
ROBERT AV	LAFAYETTE RD	ANNE AV	Prev. Maintenance	875	73	\$15,313	10.62
VAN BUREN AV	FILMORE RD	HARRISON AV	Prev. Maintenance	1,028	73	\$16,448	10.62
WILSON RD	TAFT RD	930' W OF TAFT RD	Prev. Maintenance	948	73	\$12,798	10.62
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Prev. Maintenance	396	73	\$4,356	10.62
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Prev. Maintenance	833	73	\$13,328	10.62
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Prev. Maintenance	805	73	\$12,075	10.62
ADAMS AV	HARDING RD	DEAD END	Prev. Maintenance	468	73	\$7,020	5.31
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE	ARYE ST	Crack & Patch	2,408	74	\$11,130	418.76
BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Prev. Maintenance	275	74	\$3,300	188.62
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Prev. Maintenance	613	74	\$13,486	85.92
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Crack & Patch	1,134	74	\$6,653	59.12
PARK ST	ORCHARD ST	LINCOLN ST	Crack & Patch	680	74	\$3,022	20.93
GRANT AV	EDGEWOOD RD	ELWYN RD	Prev. Maintenance	244	74	\$3,660	10.47
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Prev. Maintenance	322	74	\$4,830	10.47
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Prev. Maintenance	496	74	\$6,448	10.47
SIMS AV	MELBOURNE ST	DEAD END	Prev. Maintenance	660	74	\$6,600	5.23
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Crack & Patch	2,453	75	\$32,707	1033.05
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crack & Patch	325	75	\$1,733	454.54

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crack & Patch	3,469	75	\$16,034	362.97
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crack & Patch	998	75	\$7,097	305.78
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crack & Patch	101	75	\$790	206.61
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crack & Patch	515	75	\$2,838	82.64
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Prev. Maintenance	498	75	\$7,719	41.35
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Crack & Patch	1,622	75	\$7,209	20.66
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Crack & Patch	405	75	\$2,160	20.66
OPAL AV	DIAMOND DR	TOPAZ PL	Crack & Patch	264	75	\$1,173	20.66
RUBY RD	EDMOND AV	DIAMOND DR	Crack & Patch	448	75	\$1,991	20.66
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crack & Patch	707	75	\$4,146	20.66
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Prev. Maintenance	248	75	\$4,712	5.16
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Crack & Patch	3,403	76	\$18,149	848.12
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crack & Patch	2,533	76	\$11,258	20.39
CHAPEL CT	CHAPEL ST	PARKING LOT	Crack & Patch	109	76	\$310	20.39
GARFIELD RD	MCKINLEY RD	TAFT RD	Crack & Patch	676	76	\$3,365	20.39
HAYES PL	HARDING RD	MCKINLEY RD	Crack & Patch	326	76	\$1,623	20.39
TOPAZ PL	OPAL AV	ONYX LN	Crack & Patch	297	76	\$1,320	20.39
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crack & Patch	1,288	76	\$7,785	20.39
HANOVER ST	PEARL ST	BRIDGE ST	Crack & Patch	551	76	\$2,939	20.39
MEADOW RD	FARM LN	ROCKINGHAM AV	Crack & Patch	1,231	76	\$5,471	20.39
FAIRVIEW AV	OLEARY PL	EDMOND AV	Crack & Patch	463	76	\$2,057	20.39
MONROE ST EX	SOUTH ST	DEAD END	Prev. Maintenance	244	76	\$2,806	5.10
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crack & Patch	3,381	77	\$17,431	644.12
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Crack & Patch	250	77	\$1,244	201.28
NEWCASTLE AV	SOUTH ST	MARCY ST	Prev. Maintenance	842	77	\$10,105	28.20
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Crack & Patch	248	77	\$1,941	20.12
ORCHARD CT	WILLARD AV	DEAD END	Prev. Maintenance	187	77	\$1,870	5.03
PRAY ST	MARCY ST	DEAD END	Prev. Maintenance	268	77	\$1,608	5.03
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Crack & Patch	280	78	\$1,195	675.67
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crack & Patch	588	78	\$4,704	516.69
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Prev. Maintenance	1,241	78	\$18,615	338.06
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crack & Patch	244	78	\$1,128	198.72
COURT ST	PLEASANT ST	MIDDLE ST	Crack & Patch	1,111	78	\$5,925	198.72
MARKET ST #1	BOW ST	DANIEL ST	Crack & Patch	421	78	\$3,742	123.21
ECHO AV	SPAULDING TP	HILLCREST DR	Crack & Patch	865	78	\$3,691	38.67
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crack & Patch	696	78	\$3,712	19.87

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DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crack & Patch	875	78	\$3,111	19.87
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crack & Patch	2,913	78	\$17,090	19.87
STATE ST	FLEET ST	PLEASANT ST	Crack & Patch	420	79	\$3,136	392.46
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crack & Patch	716	79	\$7,001	156.98
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Crack & Patch	526	79	\$2,338	62.79
AUSTIN ST	SUMMER ST	CABOT ST	Crack & Patch	497	79	\$2,916	19.62
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crack & Patch	1,690	79	\$10,442	19.62
ROCKAWAY ST	JENKINS AV	DEAD END	Crack & Patch	148	79	\$579	9.81
VERDUN ST	SAGAMORE RD	MARNE AV	Crack & Patch	424	79	\$1,432	7.84
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Crack & Patch	1,303	80	\$8,108	503.87
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crack & Patch	399	80	\$3,049	193.79
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Crack & Patch	741	80	\$3,162	156.47
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crack & Patch	318	80	\$1,413	62.01
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crack & Patch	1,086	80	\$4,827	19.37
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	412	80	\$1,758	19.37
MEADOW RD	MAPLE ST	FARM LN	Crack & Patch	876	80	\$3,893	19.37
SHERBURNE RD	948' N OF GREENLAND RD	WITMER AV	Crack & Patch	2,046	80	\$10,548	19.37
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crack & Patch	730	80	\$2,596	9.68
STATE ST	MIDDLE ST	FLEET ST	Crack & Patch	650	81	\$4,853	382.84
MIDDLE ST	MIDDLE RD	MILLER AV	Crack & Patch	2,999	81	\$23,459	382.84
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	1,592	81	\$7,359	19.14
POLK AV	TAFT RD	HARRISON AV	Crack & Patch	244	81	\$1,735	19.14
HOLLY LN	SHERBURNE RD	HOLLY LN	Crack & Patch	1,553	81	\$8,835	19.14
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Crack & Patch	357	81	\$1,888	19.14
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Crack & Patch	350	81	\$1,431	19.14
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crack & Patch	211	81	\$2,067	9.57
SUTTON AV	SHERBURNE RD	DEAD END	Crack & Patch	631	81	\$2,580	9.57
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crack & Patch	936	82	\$12,813	642.96
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crack & Patch	1,023	82	\$5,456	642.96
MAPLEWOOD AV	291' W OF CENTRAL AV	300' E OF DENNETT ST	Crack & Patch	2,134	82	\$11,381	370.65
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crack & Patch	5,045	82	\$21,525	340.39
PARROT AV	ROGERS ST	JUNKINS AV	Crack & Patch	737	82	\$4,850	75.64
HALL CT	COLONIAL DR	COLONIAL DR	Crack & Patch	291	82	\$1,035	18.91
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crack & Patch	246	82	\$1,465	18.91
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crack & Patch	247	82	\$1,317	18.91
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crack & Patch	1,363	82	\$7,754	18.91

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LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crack & Patch	671	82	\$2,386	18.91
GEORGES TR	COLONIAL DR	COLONIAL DR	Crack & Patch	400	82	\$1,564	18.91
SHERBURNE RD	800'N OF GREENLAND RD	948'N OF GREENLAND RD	Crack & Patch	148	82	\$921	18.91
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	Crack & Patch	797	82	\$4,534	9.45
PLEASANT ST	STATE ST	CONGRESS ST	Crack & Patch	427	83	\$3,796	246.63
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crack & Patch	342	83	\$1,824	186.84
CUTTS AV	CHASE DR	DEAD END (N)	Crack & Patch	792	83	\$3,379	74.73
BRIDGE ST	DEER ST	HANOVER ST	Crack & Patch	372	83	\$2,314	56.05
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crack & Patch	1,194	83	\$6,156	18.68
GRANT AV	HOOVER DR	MCKINLEY RD	Crack & Patch	1,423	83	\$6,577	18.68
FELLS RD	THAXTER RD	THAXTER RD	Crack & Patch	702	83	\$4,368	18.68
COURT PL	STATE ST	COURT ST	Crack & Patch	193	83	\$1,235	18.68
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Crack & Patch	811	83	\$4,614	18.68
BREWSTER ST	ISLINGTON AV	DEAD END	Crack & Patch	587	83	\$2,087	9.34
BRACKETT RD	HAVEN ST	DEAD END	Crack & Patch	829	83	\$3,537	9.34
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crack & Patch	983	84	\$5,592	480.05
SHERBURNE RD	GREENLAND RD	385'N OF GREENLAND RD	Crack & Patch	377	84	\$2,684	72.96
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crack & Patch	1,240	84	\$5,291	59.08
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crack & Patch	929	84	\$3,303	33.60
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crack & Patch	331	84	\$1,530	32.53
WOODLAWN CR	WOODBURY AV	ECHO AV	Crack & Patch	1,583	84	\$7,036	18.46
WINTER ST	STATE ST	AUSTIN ST	Crack & Patch	396	84	\$1,408	18.46
LADD ST	HIGH ST	MARKET ST	Crack & Patch	262	84	\$745	18.46
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crack & Patch	234	84	\$458	18.46
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crack & Patch	358	84	\$1,591	18.46
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crack & Patch	960	84	\$4,437	18.46
TRUMAN PL	MCKINLEY RD	HARDING RD	Crack & Patch	378	84	\$1,949	18.46
SEWALL RD	THAXTER RD	SPINNEY RD	Crack & Patch	1,204	84	\$5,137	18.46
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crack & Patch	376	84	\$1,671	18.46
HANOVER ST	ROCK ST	PEARL ST	Crack & Patch	144	84	\$666	18.46
PEARL ST	HANOVER ST	ISLINGTON ST	Crack & Patch	301	84	\$1,605	18.46
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crack & Patch	137	84	\$585	9.23
LENS AV	JONES AV	DEAD END	Crack & Patch	477	84	\$1,526	9.23
MARCY ST	SOUTH ST	NEWCASTLE AV	Crack & Patch	976	85	\$4,164	145.98
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crack & Patch	1,460	85	\$8,306	123.39
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	SOUTH END OF OSPREY DR	Crack & Patch	1,020	85	\$3,626	72.99

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WILLARD AV	LAFAYETTE RD	WIBIRD ST	Crack & Patch	1,477	85	\$9,190	18.24
CHAUNCY ST	WIBIRD ST	UNION ST	Crack & Patch	335	85	\$1,548	18.24
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Crack & Patch	170	85	\$907	18.24
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crack & Patch	634	85	\$3,381	18.24
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crack & Patch	615	85	\$2,624	18.24
ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crack & Patch	1,994	85	\$11,698	18.24
MARNE AV	JONES AV	DEAD END	Crack & Patch	605	85	\$2,151	9.12
CRESCENT WY	DEAD END	PREBLE WY	Crack & Patch	1,445	85	\$6,422	9.12
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crack or Patch	1,022	86	\$1,022	3171.64
MARKET ST	DEER ST	RUSSELL ST	Crack or Patch	501	86	\$835	2425.37
COURT ST	MARCY ST	PLEASANT ST	Crack or Patch	1,250	86	\$958	932.83
KEARSARGE WY	PREBLE WY	RANGER WY	Crack or Patch	1,071	86	\$928	932.83
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crack or Patch	1,399	86	\$1,352	932.83
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crack or Patch	2,260	86	\$2,486	615.67
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR	Crack or Patch	1,060	86	\$848	615.67
PIERCE PL	CLEVELAND DR	TAFT RD	Crack or Patch	353	86	\$400	93.28
TAYLOR LN	HARDING RD	ARTHUR RD	Crack or Patch	361	86	\$361	93.28
JONES AV	SAGAMORE AV	INCINERATOR RD	Crack or Patch	2,741	86	\$2,101	93.28
DURGIN LN #2	718' W OF DURGIN LN	DEAD END	Crack or Patch	185	86	\$222	93.28
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crack or Patch	1,043	86	\$956	93.28
ASH ST	WILLARD AV	DEAD END	Crack or Patch	357	86	\$262	46.64
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crack or Patch	1,188	86	\$1,109	46.64
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	Crack or Patch	830	86	\$553	46.64
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Crack or Patch	248	86	\$165	46.64
HILL ST	BRIDGE ST	DEAD END	Crack or Patch	415	86	\$277	46.64
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crack or Patch	347	86	\$347	46.64
BALL ST	NEW CASTLE AV	DEAD END	Crack or Patch	207	86	\$83	46.64
MIDDLE ST	RICHARDS AV	STATE ST	Crack or Patch	676	87	\$721	2029.52
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crack or Patch	350	87	\$467	369.00
MARSTON AV	WLLARD AV	SOUTH ST	Crack or Patch	514	87	\$445	92.25
ANNE AV	ROBERTS AV	JOAN AV	Crack or Patch	425	87	\$425	92.25
FALKLAND PL	RANGER WY	KEARSAGE WY	Crack or Patch	225	87	\$210	92.25
FIELDS RD	SEWALL RD	SEWALL RD	Crack or Patch	632	87	\$632	92.25
AVIATION AV	GRAFTON DR	DURHAM ST	Crack or Patch	1,177	87	\$1,216	92.25
OXFORD AV	GREENLAND RD #1	DEAD END	Crack or Patch	799	87	\$533	92.25
RALEIGH WY	RANGER WY	SARATOGA WAY	Crack or Patch	806	87	\$511	92.25

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GREENLAND RD #3	RT 101	DEAD END	Crack or Patch	456	87	\$426	46.12
SYLVESTER ST	MIDDLE RD	DEAD END	Crack or Patch	345	87	\$207	46.12
SWEATT AV	MIDDLE RD	DEAD END	Crack or Patch	890	87	\$593	46.12
FALKLAND WY	KEARSARGE WY	DEAD END	Crack or Patch	112	87	\$71	46.12
CHATHAM ST	WINTER ST	SUMMER ST	Crack or Patch	371	87	\$235	18.45
MARKET ST	BOW ST	DEER ST	Crack or Patch	731	88	\$634	2372.26
MIDDLE ST	MILLER AV	RICHARDS AV	Crack or Patch	604	88	\$926	2007.29
DEER ST	BRIDGE ST	MAPLEWOOD AV	Crack or Patch	350	88	\$408	1459.85
FARM LN	25' W OF MEADOW RD	200' E OF SPAULDING TP	Crack or Patch	675	88	\$675	160.58
MENDUM AV	MIDDLE ST	PARK ST	Crack or Patch	542	88	\$452	91.24
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crack or Patch	1,066	88	\$782	91.24
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crack or Patch	128	88	\$149	91.24
CUTTS AV	DEAD END (S)	CHASE DR	Crack or Patch	261	88	\$209	45.62
WOODWORTH AV	MIDDLE RD	DEAD END	Crack or Patch	908	88	\$545	45.62
JOHNSON CT	SOUTH ST	DEAD END	Crack or Patch	229	88	\$92	45.62
HAVEN RD	SOUTH ST	DEAD END	Crack or Patch	546	88	\$437	45.62
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crack or Patch	542	89	\$452	1624.54
BRACKETT LN	BRACKETT RD	SOUTH ST	Crack or Patch	540	89	\$486	902.52
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crack or Patch	236	89	\$134	90.25
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crack or Patch	612	89	\$388	90.25
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crack or Patch	469	89	\$344	90.25
THORNTON ST	RUTH ST	BARTLETT ST	Crack or Patch	1,824	89	\$1,581	90.25
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crack or Patch	497	89	\$685	90.25
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crack or Patch	375	89	\$362	90.25
WASHINGTON ST	STATE ST	HANCOCK ST	Crack or Patch	819	89	\$519	52.34
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crack or Patch	276	89	\$343	45.12
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crack or Patch	397	89	\$291	45.12
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crack or Patch	574	89	\$666	45.12
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Crack & Patch	537	89	\$4,504	8.71
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crack or Patch	940	90	\$1,253	2321.42
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Crack or Patch	208	90	\$222	1750.00
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crack or Patch	1,393	90	\$1,486	1089.28
WOODBURY AV	MORNING ST	BARTLETT ST	Crack or Patch	293	90	\$235	1089.28
SHERBURNE RD	385' N OF GREENLAND RD	800' N OF GREENLAND RD	Crack or Patch	423	90	\$535	352.85
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Crack or Patch	541	90	\$505	130.35
ECHO AV	HILLCREST DR	WOODBURY AV	Crack or Patch	499	90	\$399	128.57

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MAPLE ST	WOODBURY AV	MEADOW RD	Crack or Patch	256	90	\$256	89.28
SARATOGA WY	BEDFORD WY	CRESCENT WY	Crack or Patch	792	90	\$528	89.28
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crack or Patch	337	90	\$247	89.28
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crack or Patch	946	90	\$914	44.64
BARBERRY LN	ISLINGTON ST	DEAD END	Crack or Patch	1,160	90	\$773	44.64
MARSH LN	MAPLEWOOD AV	DEAD END	Crack or Patch	403	90	\$215	44.64
VICTORY RD	COLONIAL DR	DEAD END	Crack or Patch	146	90	\$97	44.64
MELCHER ST	PLEASANT ST	DEAD END	Crack or Patch	350	90	\$210	44.64
SAGAMORE GROVE RD	Sagamore Av	End	Crack or Patch	557	90	\$278	17.85
ODIORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crack or Patch	1,586	92	\$1,745	43.70
LANG RD	LAYFAYETTE RD	RYE TOWN LINE	Crack or Patch	5,131	93	\$3,934	519.03
BIRCH ST	KEARSARGE WY	DEAD END	Do Nothing	132	93	\$0	0.00
ORANGE ST	KEARSARGE WY	OAK ST	Do Nothing	225	93	\$0	0.00
GATES ST	HANCOCK ST	MECHANIC ST	Do Nothing	1,045	93	\$0	0.00
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Do Nothing	633	93	\$0	0.00
MANGROVE ST	KEARSARGE WY	DEAD END	Do Nothing	398	93	\$0	0.00
PREBLE WY	KEARSARGE ST	DEAD END	Do Nothing	734	93	\$0	0.00
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Do Nothing	357	93	\$0	0.00
BLOSSOM ST	SOUTH ST	DEAD END	Do Nothing	221	94	\$0	0.00
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Do Nothing	845	94	\$0	0.00
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	94	\$0	0.00
LOOKOUT LN	PINEHURST RD	DEAD END	Do Nothing	267	95	\$0	0.00
TANNER ST	HANOVER ST	HILL ST	Do Nothing	124	95	\$0	0.00
WHIPPLE ST	DENNETT ST	THORNTON ST	Do Nothing	306	95	\$0	0.00
GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Do Nothing	2,789	95	\$0	0.00
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Do Nothing	289	95	\$0	0.00
ELWYN AV	SOUTH ST	ROCKLAND ST	Do Nothing	1,114	95	\$0	0.00
GARDEN ST	CENTRE ST	DEAD END	Do Nothing	119	95	\$0	0.00
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Do Nothing	154	95	\$0	0.00
TYLER PL	HARDING RD	DWIGHT AV	Do Nothing	147	95	\$0	0.00
FERNALD CT	NEW CASTLE AV	DEAD END	Do Nothing	291	95	\$0	0.00
PARTRIDGE ST	MARC'Y ST	DEAD END	Do Nothing	252	95	\$0	0.00
SALTER ST	MARC'Y ST	DEAD END	Do Nothing	331	95	\$0	0.00
MCNABB CT	LINCOLN AV	DEAD END	Do Nothing	282	95	\$0	0.00
MIDDLE ST	STATE ST	ISLINGTON ST	Do Nothing	402	95	\$0	0.00
PLEASANT ST	COURT ST	STATE ST	Do Nothing	205	95	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
LINCOLN AV	SHERBURN AV	JUNKINS AV	Do Nothing	799	95	\$0	0.00
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Do Nothing	901	95	\$0	0.00
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Do Nothing	558	95	\$0	0.00
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Do Nothing	367	95	\$0	0.00
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Do Nothing	639	95	\$0	0.00
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	96	\$0	0.00
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	97	\$0	0.00
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Do Nothing	446	97	\$0	0.00
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Do Nothing	160	97	\$0	0.00
WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	97	\$0	0.00
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	97	\$0	0.00
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	97	\$0	0.00
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	98	\$0	0.00
FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	98	\$0	0.00
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	98	\$0	0.00
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	98	\$0	0.00
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	98	\$0	0.00
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	98	\$0	0.00
SNUG HARBOR AVE	WOODBURY AV	106' W OF WOODBURY AV	Do Nothing	106	98	\$0	0.00
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	98	\$0	0.00
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Do Nothing	2,375	99	\$0	0.00
POST RD	HERITAGE AV #2	CUL-DE-SAC	Do Nothing	600	99	\$0	0.00
PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	99	\$0	0.00
RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	99	\$0	0.00
SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	Do Nothing	343	99	\$0	0.00
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	99	\$0	0.00
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	99	\$0	0.00
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Do Nothing	430	99	\$0	0.00
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	99	\$0	0.00
JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	99	\$0	0.00
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Do Nothing	2,627	99	\$0	0.00
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	99	\$0	0.00
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	99	\$0	0.00
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	99	\$0	0.00
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Do Nothing	246	99	\$0	0.00
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Do Nothing	644	99	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	99	\$0	0.00
LAFAYETTE RD	LEDGEWOOD DR	ARTWILL AV	Do Nothing	370	99	\$0	0.00
LAFAYETTE RD	ARTWILL AV	325' S OF SOUTH ST	Do Nothing	1,044	99	\$0	0.00
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	99	\$0	0.00
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	99	\$0	0.00
DENISE ST	MARIETTE DR	MARIETTE DR	Do Nothing	893	99	\$0	0.00
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Do Nothing	2,725	99	\$0	0.00
SIMONDS RD	SUZANNE DR	SUZANNE DR	Do Nothing	855	99	\$0	0.00
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Do Nothing	3,884	99	\$0	0.00
WALLIS RD	SUZANNE DR	SUZANNE DR	Do Nothing	820	99	\$0	0.00
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Do Nothing	524	99	\$0	0.00
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	99	\$0	0.00
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	99	\$0	0.00
RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	99	\$0	0.00
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	99	\$0	0.00
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	99	\$0	0.00
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	99	\$0	0.00
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	99	\$0	0.00
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	99	\$0	0.00
CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	99	\$0	0.00
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	99	\$0	0.00
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	99	\$0	0.00
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	99	\$0	0.00
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	99	\$0	0.00
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	99	\$0	0.00
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	99	\$0	0.00
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	99	\$0	0.00
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	99	\$0	0.00
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	99	\$0	0.00
STATE ST	PLEASANT ST	WRIGHT AV	Do Nothing	930	99	\$0	0.00
HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	99	\$0	0.00
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	99	\$0	0.00
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	99	\$0	0.00
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	99	\$0	0.00
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	99	\$0	0.00
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	99	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	99	\$0	0.00
WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	99	\$0	0.00
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	99	\$0	0.00
MCDONOUGH ST	CABOT ST	DEAD END	Do Nothing	641	99	\$0	0.00
ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	99	\$0	0.00
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Do Nothing	3,503	99	\$0	0.00
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Do Nothing	2,745	99	\$0	0.00
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	99	\$0	0.00
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Do Nothing	2,910	99	\$0	0.00
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Do Nothing	2,967	99	\$0	0.00
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Do Nothing	351	99	\$0	0.00
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Do Nothing	889	99	\$0	0.00
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	99	\$0	0.00
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	99	\$0	0.00
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	99	\$0	0.00
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	99	\$0	0.00
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	99	\$0	0.00
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	100	\$0	0.00
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0.00
GRAFTON DR	CARPORATE DR	SHERBURNE RD	Do Nothing	2,642	100	\$0	0.00
PEASE BV	860' E of New Hampshire Ave	SPAULDING TNPK	Do Nothing	2,169	100	\$0	0.00
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0.00
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0.00
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0.00
CASS ST	MIDDLE ST	ISLINGTON ST	Do Nothing	1,552	100	\$0	0.00
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0.00
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0.00
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0.00
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	100	\$0	0.00
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0.00
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0.00
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0.00
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0.00
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0.00
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0.00
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Do Nothing	371	100	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0.00
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0.00
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0.00
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0.00
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0.00
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	100	\$0	0.00
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	100	\$0	0.00
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	100	\$0	0.00
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	100	\$0	0.00
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0.00
JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0.00
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0.00
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0.00
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	100	\$0	0.00
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0.00
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0.00
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0.00
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0.00
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0.00
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0.00
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0.00
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0.00
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	100	\$0	0.00
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0.00
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0.00
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Do Nothing	500	100	\$0	0.00
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0.00
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	100	\$0	0.00
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	100	\$0	0.00
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0.00
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	100	\$0	0.00
LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	100	\$0	0.00
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0.00
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0.00
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0.00
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Do Nothing	2,129	100	\$0	0.00
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0.00
PEYERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	100	\$0	0.00
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0.00
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	100	\$0	0.00
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0.00
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	100	\$0	0.00
DANIEL ST	BOW ST	MARKET ST	Do Nothing	941	100	\$0	0.00
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	100	\$0	0.00
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	100	\$0	0.00
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	100	\$0	0.00
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	100	\$0	0.00
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5300' N OF PEASE BLVD	Do Nothing	2,581	100	\$0	0.00
ARBORETUM DRIVE	5300' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	250	100	\$0	0.00
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	100	\$0	0.00
PEASE BV	New Hampshire Ave	466' E of New Hampshire Ave	Do Nothing	466	100	\$0	0.00
PEASE BV	466' E of New Hampshire Ave	860' E of New Hampshire Ave	Do Nothing	391	100	\$0	0.00
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0.00
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Do Nothing	6,161	100	\$0	0.00
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Do Nothing	447	100	\$0	0.00
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0.00
PORTSMOUTH BLVD (SOUTH)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0.00
PORTSMOUTH BLVD (SOUTH)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0.00
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	100	\$0	0.00
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	100	\$0	0.00
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Do Nothing	715	100	\$0	0.00
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Do Nothing	695	100	\$0	0.00
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	100	\$0	0.00
MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0.00
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0.00
BROAD ST	SOUTH ST	JONES AV	Do Nothing	963	100	\$0	0.00
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Do Nothing	140	100	\$0	0.00
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	100	\$0	0.00
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	100	\$0	0.00
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	100	\$0	0.00
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0.00

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0.00
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	100	\$0	0.00
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	100	\$0	0.00
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Do Nothing	671	100	\$0	0.00
GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	100	\$0	0.00
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	100	\$0	0.00
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0.00
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0.00
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0.00
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0.00
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0.00
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0.00
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0.00
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0.00
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	100	\$0	0.00
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	100	\$0	0.00
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0.00
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	100	\$0	0.00
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0.00
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0.00

2014 PCI

103.51 Miles S 28,103,713



Appendix C

Backlog List by Repair Alternative ■

*All Backlogs are based from PCI's projected to April 2015

Pavement Backlog- by Repair Alternative

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
Crack & Patch							
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Crack & Patch	2,453	75	\$32,707	1033.05
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Crack & Patch	3,403	76	\$18,149	848.12
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Crack & Patch	280	78	\$1,195	675.67
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crack & Patch	3,381	77	\$17,431	644.12
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crack & Patch	936	82	\$12,813	642.96
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crack & Patch	1,023	82	\$5,456	642.96
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Crack & Patch	862	72	\$4,597	559.38
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crack & Patch	588	78	\$4,704	516.69
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Crack & Patch	1,303	80	\$8,108	503.87
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crack & Patch	983	84	\$5,592	480.05
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crack & Patch	325	75	\$1,733	454.54
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE	ARYE ST	Crack & Patch	2,408	74	\$11,130	418.76
STATE ST	FLEET ST	PLEASANT ST	Crack & Patch	420	79	\$3,136	392.46
STATE ST	MIDDLE ST	FLEET ST	Crack & Patch	650	81	\$4,853	382.84
MIDDLE ST	MIDDLE RD	MILLER AV	Crack & Patch	2,999	81	\$23,459	382.84
MAPLEWOOD AV	291' W OF CENTRAL AV	300' E OF DENNETT ST	Crack & Patch	2,134	82	\$11,381	370.65
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crack & Patch	3,469	75	\$16,034	362.97
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crack & Patch	5,045	82	\$21,525	340.39
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crack & Patch	998	75	\$7,097	305.78
PLEASANT ST	STATE ST	CONGRESS ST	Crack & Patch	427	83	\$3,796	246.63
DENNETT ST	KANE ST	WOODBURY AV	Crack & Patch	2,702	73	\$13,930	212.22
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crack & Patch	101	75	\$790	206.61
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Crack & Patch	250	77	\$1,244	201.28
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crack & Patch	244	78	\$1,128	198.72
COURT ST	PLEASANT ST	MIDDLE ST	Crack & Patch	1,111	78	\$5,925	198.72
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crack & Patch	399	80	\$3,049	193.79
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crack & Patch	342	83	\$1,824	186.84
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crack & Patch	716	79	\$7,001	156.98
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Crack & Patch	741	80	\$3,162	156.47
MARCY ST	SOUTH ST	NEWCASTLE AV	Crack & Patch	976	85	\$4,164	145.98
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crack & Patch	1,460	85	\$8,306	123.39
MARKET ST #1	BOW ST	DANIEL ST	Crack & Patch	421	78	\$3,742	123.21

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crack & Patch	515	75	\$2,838	82.64
PARROT AV	ROGERS ST	JUNKINS AV	Crack & Patch	737	82	\$4,850	75.64
CUTTS AV	CHASE DR	DEAD END (N)	Crack & Patch	792	83	\$3,379	74.73
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	550' N OF OSPREY DR	Crack & Patch	1,020	85	\$3,626	72.99
SHERBURNE RD	GREENLAND RD	385' N OF GREENLAND RD	Crack & Patch	377	84	\$2,684	72.96
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Crack & Patch	526	79	\$2,338	62.79
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crack & Patch	318	80	\$1,413	62.01
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Crack & Patch	1,134	74	\$6,653	59.12
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crack & Patch	1,240	84	\$5,291	59.08
BRIDGE ST	DEER ST	HANOVER ST	Crack & Patch	372	83	\$2,314	56.05
ECHO AV	SPAULDING TP	HILLCREST DR	Crack & Patch	865	78	\$3,691	38.67
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crack & Patch	929	84	\$3,303	33.60
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crack & Patch	331	84	\$1,530	32.53
ROGERS ST	COURT ST	PARROT AV	Crack & Patch	523	73	\$1,860	29.71
PARK ST	ORCHARD ST	LINCOLN ST	Crack & Patch	680	74	\$3,022	20.93
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Crack & Patch	1,622	75	\$7,209	20.66
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Crack & Patch	405	75	\$2,160	20.66
OPAL AV	DIAMOND DR	TOPAZ PL	Crack & Patch	264	75	\$1,173	20.66
RUBY RD	EDMOND AV	DIAMOND DR	Crack & Patch	448	75	\$1,991	20.66
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crack & Patch	707	75	\$4,146	20.66
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crack & Patch	2,533	76	\$11,258	20.39
CHAPEL CT	CHAPEL ST	PARKING LOT	Crack & Patch	109	76	\$310	20.39
GARFIELD RD	MCKINLEY RD	TAFT RD	Crack & Patch	676	76	\$3,365	20.39
HAYES PL	HARDING RD	MCKINLEY RD	Crack & Patch	326	76	\$1,623	20.39
TOPAZ PL	OPAL AV	ONYX LN	Crack & Patch	297	76	\$1,320	20.39
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crack & Patch	1,288	76	\$7,785	20.39
HANOVER ST	PEARL ST	BRIDGE ST	Crack & Patch	551	76	\$2,939	20.39
MEADOW RD	FARM LN	ROCKINGHAM AV	Crack & Patch	1,231	76	\$5,471	20.39
FAIRVIEW AV	OLEARY PL	EDMOND AV	Crack & Patch	463	76	\$2,057	20.39
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Crack & Patch	248	77	\$1,941	20.12
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crack & Patch	696	78	\$3,712	19.87
DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crack & Patch	875	78	\$3,111	19.87
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crack & Patch	2,913	78	\$17,090	19.87
AUSTIN ST	SUMMER ST	CABOT ST	Crack & Patch	497	79	\$2,916	19.62
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crack & Patch	1,690	79	\$10,442	19.62
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crack & Patch	1,086	80	\$4,827	19.37

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GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	412	80	\$1,758	19.37
MEADOW RD	MAPLE ST	FARM LN	Crack & Patch	876	80	\$3,893	19.37
SHERBURNE RD	948' N OF GREENLAND RD	WITMER AV	Crack & Patch	2,046	80	\$10,548	19.37
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Crack & Patch	1,592	81	\$7,359	19.14
POLK AV	TAFT RD	HARRISON AV	Crack & Patch	244	81	\$1,735	19.14
HOLLY LN	SHERBURNE RD	HOLLY LN	Crack & Patch	1,553	81	\$8,835	19.14
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Crack & Patch	357	81	\$1,888	19.14
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Crack & Patch	350	81	\$1,431	19.14
HALL CT	COLONIAL DR	COLONIAL DR	Crack & Patch	291	82	\$1,035	18.91
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crack & Patch	246	82	\$1,465	18.91
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crack & Patch	247	82	\$1,317	18.91
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crack & Patch	1,363	82	\$7,754	18.91
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crack & Patch	671	82	\$2,386	18.91
GEORGES TR	COLONIAL DR	COLONIAL DR	Crack & Patch	400	82	\$1,564	18.91
SHERBURNE RD	800' N OF GREENLAND RD	948' N OF GREENLAND RD	Crack & Patch	148	82	\$921	18.91
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crack & Patch	1,194	83	\$6,156	18.68
GRANT AV	HOOVER DR	MCKINLEY RD	Crack & Patch	1,423	83	\$6,577	18.68
FELLS RD	THAXTER RD	THAXTER RD	Crack & Patch	702	83	\$4,368	18.68
COURT PL	STATE ST	COURT ST	Crack & Patch	193	83	\$1,235	18.68
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Crack & Patch	811	83	\$4,614	18.68
WOODLAWN CR	WOODBURY AV	ECHO AV	Crack & Patch	1,583	84	\$7,036	18.46
WINTER ST	STATE ST	AUSTIN ST	Crack & Patch	396	84	\$1,408	18.46
LADD ST	HIGH ST	MARKET ST	Crack & Patch	262	84	\$745	18.46
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crack & Patch	234	84	\$458	18.46
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crack & Patch	358	84	\$1,591	18.46
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crack & Patch	960	84	\$4,437	18.46
TRUMAN PL	MCKINLEY RD	HARDING RD	Crack & Patch	378	84	\$1,949	18.46
SEWALL RD	THAXTER RD	SPINNEY RD	Crack & Patch	1,204	84	\$5,137	18.46
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crack & Patch	376	84	\$1,671	18.46
HANOVER ST	ROCK ST	PEARL ST	Crack & Patch	144	84	\$666	18.46
PEARL ST	HANOVER ST	ISLINGTON ST	Crack & Patch	301	84	\$1,605	18.46
WILLARD AV	LAFAYETTE RD	WIBIRD ST	Crack & Patch	1,477	85	\$9,190	18.24
CHAUNCY ST	WIBIRD ST	UNION ST	Crack & Patch	335	85	\$1,548	18.24
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Crack & Patch	170	85	\$907	18.24
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crack & Patch	634	85	\$3,381	18.24
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crack & Patch	615	85	\$2,624	18.24

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ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crack & Patch	1,994	85	\$11,698	18.24
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Crack & Patch	700	72	\$5,602	10.75
ROCKAWAY ST	JENKINS AV	DEAD END	Crack & Patch	148	79	\$579	9.81
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crack & Patch	730	80	\$2,596	9.68
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crack & Patch	211	81	\$2,067	9.57
SUTTON AV	SHERBURNE RD	DEAD END	Crack & Patch	631	81	\$2,580	9.57
OAK WOOD DR	ELWYN RD	CUL-DE-SAC	Crack & Patch	797	82	\$4,534	9.45
BREWSTER ST	ISLINGTON AV	DEAD END	Crack & Patch	587	83	\$2,087	9.34
BRACKETT RD	HAVEN ST	DEAD END	Crack & Patch	829	83	\$3,537	9.34
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crack & Patch	137	84	\$585	9.23
LENS AV	JONES AV	DEAD END	Crack & Patch	477	84	\$1,526	9.23
MARNE AV	JONES AV	DEAD END	Crack & Patch	605	85	\$2,151	9.12
CRESCENT WY	DEAD END	PREBLE WY	Crack & Patch	1,445	85	\$6,422	9.12
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Crack & Patch	537	89	\$4,504	8.71
VERDUN ST	SAGAMORE RD	MARNE AV	Crack & Patch	424	79	\$1,432	7.84
Crack or Patch							
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crack or Patch	1,022	86	\$1,022	3171.64
MARKET ST	DEER ST	RUSSELL ST	Crack or Patch	501	86	\$835	2425.37
MARKET ST	BOW ST	DEER ST	Crack or Patch	731	88	\$634	2372.26
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crack or Patch	940	90	\$1,253	2321.42
MIDDLE ST	RICHARDS AV	STATE ST	Crack or Patch	676	87	\$721	2029.52
MIDDLE ST	MILLER AV	RICHARDS AV	Crack or Patch	604	88	\$926	2007.29
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Crack or Patch	208	90	\$222	1750.00
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crack or Patch	542	89	\$452	1624.54
DEER ST	BRIDGE ST	MAPLEWOOD AV	Crack or Patch	350	88	\$408	1459.85
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crack or Patch	1,393	90	\$1,486	1089.28
WOODBURY AV	MORNING ST	BARTLETT ST	Crack or Patch	293	90	\$235	1089.28
COURT ST	MARCY ST	PLEASANT ST	Crack or Patch	1,250	86	\$958	932.83
KEARSARGE WY	PREBLE WY	RANGER WY	Crack or Patch	1,071	86	\$928	932.83
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crack or Patch	1,399	86	\$1,352	932.83
BRACKETT LN	BRACKETT RD	SOUTH ST	Crack or Patch	540	89	\$486	902.52
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crack or Patch	2,260	86	\$2,486	615.67
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR.	Crack or Patch	1,060	86	\$848	615.67
LANG RD	LAFAYETTE RD	RYE TOWN LINE	Crack or Patch	5,131	93	\$3,934	519.03
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crack or Patch	350	87	\$467	369.00

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SHERBURNE RD	385' N OF GREENLAND RD	800' N OF GREENLAND RD	Crack or Patch	423	90	\$535	352.85
FARM LN	25' W OF MEADOW RD	200' E OF SPAULDING TP	Crack or Patch	675	88	\$675	160.58
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Crack or Patch	541	90	\$505	130.35
ECHO AV	HILLCREST DR	WOODBURY AV	Crack or Patch	499	90	\$399	128.57
PIERCE PL	CLEVELAND DR	TAFT RD	Crack or Patch	353	86	\$400	93.28
TAYLOR LN	HARDING RD	ARTHUR RD	Crack or Patch	361	86	\$361	93.28
JONES AV	SAGAMORE AV	INCINERATOR RD	Crack or Patch	2,741	86	\$2,101	93.28
DURGIN LN #2	718' W OF DURGIN LN	DEAD END	Crack or Patch	185	86	\$222	93.28
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crack or Patch	1,043	86	\$956	93.28
MARSTON AV	WLLARD AV	SOUTH ST	Crack or Patch	514	87	\$445	92.25
ANNE AV	ROBERTS AV	JOAN AV	Crack or Patch	425	87	\$425	92.25
FALKLAND PL	RANGER WY	KEARSAGE WY	Crack or Patch	225	87	\$210	92.25
FIELDS RD	SEWALL RD	SEWALL RD	Crack or Patch	632	87	\$632	92.25
AVIATION AV	GRAFTON DR	DURHAM ST	Crack or Patch	1,177	87	\$1,216	92.25
OXFORD AV	GREENLAND RD #1	DEAD END	Crack or Patch	799	87	\$533	92.25
RALEIGH WY	RANGER WY	SARATOGA WAY	Crack or Patch	806	87	\$511	92.25
MENDUM AV	MIDDLE ST	PARK ST	Crack or Patch	542	88	\$452	91.24
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crack or Patch	1,066	88	\$782	91.24
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crack or Patch	128	88	\$149	91.24
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crack or Patch	236	89	\$134	90.25
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crack or Patch	612	89	\$388	90.25
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crack or Patch	469	89	\$344	90.25
THORNTON ST	RUTH ST	BARTLETT ST	Crack or Patch	1,824	89	\$1,581	90.25
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crack or Patch	497	89	\$685	90.25
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crack or Patch	375	89	\$362	90.25
MAPLE ST	WOODBURY AV	MEADOW RD	Crack or Patch	256	90	\$256	89.28
SARATOGA WY	BEDFORD WY	CRESCENT WY	Crack or Patch	792	90	\$528	89.28
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crack or Patch	337	90	\$247	89.28
WASHINGTON ST	STATE ST	HANCOCK ST	Crack or Patch	819	89	\$519	52.34
ASH ST	WILLARD AV	DEAD END	Crack or Patch	357	86	\$262	46.64
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crack or Patch	1,188	86	\$1,109	46.64
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	Crack or Patch	830	86	\$553	46.64
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Crack or Patch	248	86	\$165	46.64
HILL ST	BRIDGE ST	DEAD END	Crack or Patch	415	86	\$277	46.64
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crack or Patch	347	86	\$347	46.64
BALL ST	NEW CASTLE AV	DEAD END	Crack or Patch	207	86	\$83	46.64

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GREENLAND RD #3	RT 101	DEAD END	Crack or Patch	456	87	\$426	46.12
SYLVESTER ST	MIDDLE RD	DEAD END	Crack or Patch	345	87	\$207	46.12
SWEATT AV	MIDDLE RD	DEAD END	Crack or Patch	890	87	\$593	46.12
FALKLAND WY	KEARSARGE WY	DEAD END	Crack or Patch	112	87	\$71	46.12
CUTTS AV	DEAD END (S)	CHASE DR	Crack or Patch	261	88	\$209	45.62
WOODWORTH AV	MIDDLE RD	DEAD END	Crack or Patch	908	88	\$545	45.62
JOHNSON CT	SOUTH ST	DEAD END	Crack or Patch	229	88	\$92	45.62
HAVEN RD	SOUTH ST	DEAD END	Crack or Patch	546	88	\$437	45.62
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crack or Patch	276	89	\$343	45.12
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crack or Patch	397	89	\$291	45.12
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crack or Patch	574	89	\$666	45.12
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crack or Patch	946	90	\$914	44.64
BARBERRY LN	ISLINGTON ST	DEAD END	Crack or Patch	1,160	90	\$773	44.64
MARSH LN	MAPLEWOOD AV	DEAD END	Crack or Patch	403	90	\$215	44.64
VICTORY RD	COLONIAL DR	DEAD END	Crack or Patch	146	90	\$97	44.64
MELCHER ST	PLEASANT ST	DEAD END	Crack or Patch	350	90	\$210	44.64
ODJORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crack or Patch	1,586	92	\$1,745	43.70
CHATHAM ST	WINTER ST	SUMMER ST	Crack or Patch	371	87	\$235	18.45
SAGAMORE GROVE RD	Sagamore Av	End	Crack or Patch	557	90	\$278	17.85
Do Nothing							
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	100	\$0	0.00
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0.00
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	97	\$0	0.00
GRAFTON DR	CARPORATE DR	SHERBURNE RD	Do Nothing	2,642	100	\$0	0.00
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Do Nothing	2,375	99	\$0	0.00
PEASE BV	860' E of New Hampshire Ave	SPAULDING TNPK	Do Nothing	2,169	100	\$0	0.00
POST RD	HERITAGE AV #2	CUL-DE-SAC	Do Nothing	600	99	\$0	0.00
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	98	\$0	0.00
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0.00
LOOKOUT LN	PINEHURST RD	DEAD END	Do Nothing	267	95	\$0	0.00
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0.00
PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	99	\$0	0.00
RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	99	\$0	0.00
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Do Nothing	446	97	\$0	0.00
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0.00

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SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	Do Nothing	343	99	\$0	0.00
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	99	\$0	0.00
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	99	\$0	0.00
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Do Nothing	430	99	\$0	0.00
BIRCH ST	KEARSARGE WY	DEAD END	Do Nothing	132	93	\$0	0.00
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	99	\$0	0.00
ORANGE ST	KEARSARGE WY	OAK ST	Do Nothing	225	93	\$0	0.00
CASS ST	MIDDLE ST	ISLINGTON ST	Do Nothing	1,552	100	\$0	0.00
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0.00
FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	98	\$0	0.00
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0.00
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0.00
TANNER ST	HANOVER ST	HILL ST	Do Nothing	124	95	\$0	0.00
WHIPPLE ST	DENNETT ST	THORNTON ST	Do Nothing	306	95	\$0	0.00
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	100	\$0	0.00
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0.00
JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	99	\$0	0.00
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0.00
GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Do Nothing	2,789	95	\$0	0.00
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0.00
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Do Nothing	2,627	99	\$0	0.00
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0.00
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Do Nothing	289	95	\$0	0.00
BLOSSOM ST	SOUTH ST	DEAD END	Do Nothing	221	94	\$0	0.00
ELWYN AV	SOUTH ST	ROCKLAND ST	Do Nothing	1,114	95	\$0	0.00
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	99	\$0	0.00
GATES ST	HANCOCK ST	MECHANIC ST	Do Nothing	1,045	93	\$0	0.00
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	98	\$0	0.00
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0.00
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0.00
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	98	\$0	0.00
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Do Nothing	633	93	\$0	0.00
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Do Nothing	371	100	\$0	0.00
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	99	\$0	0.00
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0.00
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Do Nothing	160	97	\$0	0.00

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MANGROVE ST	KEARSAGE WY	DEAD END	Do Nothing	398	93	\$0	0.00
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	98	\$0	0.00
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0.00
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0.00
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	98	\$0	0.00
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	99	\$0	0.00
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Do Nothing	246	99	\$0	0.00
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0.00
GARDEN ST	CENTRE ST	DEAD END	Do Nothing	119	95	\$0	0.00
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Do Nothing	644	99	\$0	0.00
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0.00
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	100	\$0	0.00
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	100	\$0	0.00
WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	97	\$0	0.00
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	99	\$0	0.00
LAFAYETTE RD	LEDGEWOOD DR	ARTWILL AV	Do Nothing	370	99	\$0	0.00
LAFAYETTE RD	ARTWILL AV	325' S OF SOUTH ST	Do Nothing	1,044	99	\$0	0.00
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Do Nothing	845	94	\$0	0.00
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	100	\$0	0.00
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	96	\$0	0.00
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	99	\$0	0.00
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Do Nothing	154	95	\$0	0.00
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	100	\$0	0.00
TYLER PL	HARDING RD	DWIGHT AV	Do Nothing	147	95	\$0	0.00
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	99	\$0	0.00
DENISE ST	MARIETTE DR	MARIETTE DR	Do Nothing	893	99	\$0	0.00
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Do Nothing	2,725	99	\$0	0.00
SIMONDS RD	SUZANNE DR	SUZANNE DR	Do Nothing	855	99	\$0	0.00
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Do Nothing	3,884	99	\$0	0.00
WALLIS RD	SUZANNE DR	SUZANNE DR	Do Nothing	820	99	\$0	0.00
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Do Nothing	524	99	\$0	0.00
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	99	\$0	0.00
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	99	\$0	0.00
FERNALD CT	NEW CASTLE AV	DEAD END	Do Nothing	291	95	\$0	0.00
RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	99	\$0	0.00
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0.00

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JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0.00
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	99	\$0	0.00
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	99	\$0	0.00
PARTRIDGE ST	MARCY ST	DEAD END	Do Nothing	252	95	\$0	0.00
SALTER ST	MARCY ST	DEAD END	Do Nothing	331	95	\$0	0.00
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0.00
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0.00
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	100	\$0	0.00
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0.00
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0.00
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0.00
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0.00
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0.00
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0.00
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0.00
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0.00
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	100	\$0	0.00
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	99	\$0	0.00
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	99	\$0	0.00
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	99	\$0	0.00
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0.00
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	94	\$0	0.00
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0.00
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Do Nothing	500	100	\$0	0.00
CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	99	\$0	0.00
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	99	\$0	0.00
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0.00
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	99	\$0	0.00
PREBLE WY	KEARSARGE ST	DEAD END	Do Nothing	734	93	\$0	0.00
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	97	\$0	0.00
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	100	\$0	0.00
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	100	\$0	0.00
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	99	\$0	0.00
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	99	\$0	0.00
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0.00
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	100	\$0	0.00

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LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	100	\$0	0.00
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0.00
MCNABB CT	LINCOLN AV	DEAD END	Do Nothing	282	95	\$0	0.00
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0.00
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0.00
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	99	\$0	0.00
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	99	\$0	0.00
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0.00
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	99	\$0	0.00
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	99	\$0	0.00
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	99	\$0	0.00
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Do Nothing	2,129	100	\$0	0.00
MIDDLE ST	STATE ST	ISLINGTON ST	Do Nothing	402	95	\$0	0.00
STATE ST	PLEASANT ST	WRIGHT AV	Do Nothing	930	99	\$0	0.00
HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	99	\$0	0.00
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	99	\$0	0.00
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	99	\$0	0.00
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0.00
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	99	\$0	0.00
PLEASANT ST	COURT ST	STATE ST	Do Nothing	205	95	\$0	0.00
PEVERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	100	\$0	0.00
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0.00
LINCOLN AV	SHERBURN AV	JUNKINS AV	Do Nothing	799	95	\$0	0.00
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Do Nothing	901	95	\$0	0.00
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	99	\$0	0.00
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	99	\$0	0.00
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	99	\$0	0.00
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Do Nothing	558	95	\$0	0.00
WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	99	\$0	0.00
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	100	\$0	0.00
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0.00
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Do Nothing	357	93	\$0	0.00
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	100	\$0	0.00
DANIEL ST	BOW ST	MARKET ST	Do Nothing	941	100	\$0	0.00
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	100	\$0	0.00
HODGON LN	WOODBURY AV	DEAD END	Do Nothing	403	22	\$0	0.00

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ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	100	\$0	0.00
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	100	\$0	0.00
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	100	\$0	0.00
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5300' N OF PEASE BLVD	Do Nothing	2,581	100	\$0	0.00
ARBORETUM DRIVE	5300' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	250	100	\$0	0.00
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	100	\$0	0.00
SNUG HARBOR AVE	WOODBURY AV	106' W OF WOODBURY AV	Do Nothing	106	98	\$0	0.00
SNUG HARBOR AVE	106' W OF WOODBURY AV	DEAD END	Do Nothing	82	33	\$0	0.00
PEASE BV	New Hampshire Ave	466' E of New Hampshire Ave	Do Nothing	466	100	\$0	0.00
PEASE BV	466' E of New Hampshire Ave	860' E of New Hampshire Ave	Do Nothing	391	100	\$0	0.00
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	99	\$0	0.00
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Do Nothing	367	95	\$0	0.00
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0.00
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	98	\$0	0.00
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Do Nothing	6,161	100	\$0	0.00
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Do Nothing	447	100	\$0	0.00
MCDONOUGH ST	CABOT ST	DEAD END	Do Nothing	641	99	\$0	0.00
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0.00
PORTSMOUTH BLVD (SOUTH)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0.00
PORTSMOUTH BLVD (SOUTH)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0.00
ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	99	\$0	0.00
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Do Nothing	3,503	99	\$0	0.00
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Do Nothing	2,745	99	\$0	0.00
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Do Nothing	639	95	\$0	0.00
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	99	\$0	0.00
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	100	\$0	0.00
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	100	\$0	0.00
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Do Nothing	715	100	\$0	0.00
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Do Nothing	695	100	\$0	0.00
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Do Nothing	2,910	99	\$0	0.00
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Do Nothing	2,967	99	\$0	0.00
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Do Nothing	351	99	\$0	0.00
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Do Nothing	889	99	\$0	0.00
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	100	\$0	0.00
MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0.00
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0.00

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BROAD ST	SOUTH ST	JONES AV	Do Nothing	963	100	\$0	0.00
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	99	\$0	0.00
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	99	\$0	0.00
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	99	\$0	0.00
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	99	\$0	0.00
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	97	\$0	0.00
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Do Nothing	140	100	\$0	0.00
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	100	\$0	0.00
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	100	\$0	0.00
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	100	\$0	0.00
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0.00
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0.00
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	100	\$0	0.00
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	100	\$0	0.00
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Do Nothing	671	100	\$0	0.00
GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	100	\$0	0.00
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	100	\$0	0.00
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0.00
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0.00
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0.00
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0.00
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0.00
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0.00
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0.00
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0.00
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	99	\$0	0.00
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	100	\$0	0.00
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	100	\$0	0.00
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0.00
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	100	\$0	0.00
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0.00
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0.00
Full Depth Const. AR/CO							
DEER ST	RUSSELL ST	MARKET ST	Full Depth Const. AR/CO	483	44	\$214,789	66.45
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Full Depth Const. AR/CO	297	47	\$110,805	62.21

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MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Const. AR/CO	619	44	\$220,196	61.34
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Const. AR/CO	338	54	\$102,151	54.15
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Full Depth Const. AR/CO	352	37	\$84,480	24.31
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Full Depth Const. AR/CO	345	51	\$134,933	22.05
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Const. AR/CO	1,926	54	\$445,120	20.82
CORPORATE DR #1	1117 E OF GRAFTON	RYE ST	Full Depth Const. AR/CO	4,692	47	\$1,084,373	19.14
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Const. AR/CO	2,573	54	\$754,747	17.07
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Const. AR/CO	358	49	\$140,135	13.77
MANCHESTER SQ	500' W OF INTERNATIONAL	DNEW HAMPSHIRE DR	Full Depth Const. AR/CO	512	46	\$118,329	9.77
FLEET ST	COURT ST	HANOVER ST	Full Depth Const. AR/CO	1,046	41	\$232,444	8.22
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Full Depth Const. AR/CO	133	58	\$29,556	7.75
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Const. AR/CO	1,417	60	\$403,058	7.49
Full Depth Const. LO							
WEST RD	PEVERLY HILL RD	1733' S OF PEVERLY HILL R	Full Depth Const. LO	1,745	44	\$491,121	33.54
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	34	\$128,024	17.36
PORTSMOUTH BLVD (CLOS	995' N OF OSPREY DR	DUNLIN WAY	Full Depth Const. LO	983	37	\$162,741	15.95
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Full Depth Const. LO	830	41	\$206,117	14.40
CUTTS ST	ASHLAND ST	CENTRAL ST	Full Depth Const. LO	763	43	\$176,846	13.73
WEST RD	CAMPUS DR	LAFAYETTE RD	Full Depth Const. LO	1,234	46	\$326,873	12.83
SHEARWATER DR.	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Full Depth Const. LO	326	47	\$83,655	12.56
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Const. LO	106	48	\$32,550	12.30
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Const. LO	1,117	53	\$221,911	10.58
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Const. LO	1,192	53	\$236,811	10.58
DURGIN LN #2	222' W OF DURGIN LN	512' W OF DURGIN LN	Full Depth Const. LO	290	56	\$86,420	10.54
OAK AVE	50' W OF MAPLEWOOD DR	243' E OF INTERNATIONAL DR	Full Depth Const. LO	650	45	\$134,514	6.56
OAK AVE	CORPORATE DR	PINECREST TER (E)	Full Depth Const. LO	754	51	\$149,795	5.78
OAK AVE	243' E OF INTERNATIONAL DR	INTERNATIONAL DR	Full Depth Const. LO	243	55	\$50,288	5.36
ARBORETUM DRIVE	SHORT ST	DEAD END	Full Depth Const. LO	4,657	31	\$886,622	4.76
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	32	\$637,720	4.61
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	32	\$33,575	4.61
PARK ST	LINCOLN ST	MIDDLE ST	Full Depth Const. LO	607	32	\$125,615	4.61
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Full Depth Const. LO	970	36	\$208,766	4.09
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	437	38	\$75,965	3.88
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	38	\$19,892	3.88
COFFIN CT	CABOT ST	UNION ST	Full Depth Const. LO	335	38	\$30,504	3.88

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ASHLAND ST	CUTTS AV	CENTRAL AV	Full Depth Const. LO	350	38	\$43,458	3.88
MADISON ST	MIDDLE ST	STATE ST	Full Depth Const. LO	1,004	39	\$207,772	3.78
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Full Depth Const. LO	1,788	41	\$444,020	3.60
EDWARDS ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	41	\$43,044	3.60
UNION ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,015	41	\$500,392	3.60
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Full Depth Const. LO	706	42	\$163,635	3.51
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Full Depth Const. LO	1,858	42	\$353,800	3.51
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Full Depth Const. LO	261	43	\$60,494	3.50
MORNING ST	WOODBURY AV	BARTLETT ST	Full Depth Const. LO	616	43	\$101,982	3.43
COLUMBIA ST	STATE ST	ISLINGTON ST	Full Depth Const. LO	498	44	\$136,037	3.35
AUSTIN ST	MIDDLE ST	SUMMER ST	Full Depth Const. LO	481	44	\$131,393	3.35
OSPREY DR	SHEARWATER DR/PORTSMOUTH	UNLIN WY	Full Depth Const. LO	1,996	44	\$330,449	3.35
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	44	\$155,523	3.35
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	468	45	\$127,842	3.28
HAWTHORNE ST	WIBIRD ST	UNION ST	Full Depth Const. LO	368	45	\$79,202	3.28
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX.	Full Depth Const. LO	913	45	\$211,613	3.28
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Full Depth Const. LO	348	45	\$66,255	3.28
ALDER WAY	KANE ST	DEAD END	Full Depth Const. LO	208	45	\$43,044	3.28
GREEN ST	VAUGHAN ST	RUSSELL ST	Full Depth Const. LO	487	45	\$92,719	3.28
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Full Depth Const. LO	2,029	45	\$503,868	3.28
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Full Depth Const. LO	391	45	\$64,732	3.28
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Full Depth Const. LO	2,170	45	\$592,772	3.28
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Full Depth Const. LO	971	45	\$184,944	3.28
MARTHA TR	PATRICIA DR	OCEAN RD	Full Depth Const. LO	1,095	46	\$271,925	3.20
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Full Depth Const. LO	2,043	46	\$422,788	3.20
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Full Depth Const. LO	250	46	\$72,431	3.20
UNION ST	ISLINGTON ST	MIDDLE ST	Full Depth Const. LO	1,367	46	\$339,472	3.20
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Full Depth Const. LO	1,590	46	\$302,661	3.20
AUSTIN ST	UNION ST	MADISON ST	Full Depth Const. LO	251	47	\$37,399	3.14
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Const. LO	277	47	\$64,202	3.14
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Full Depth Const. LO	944	47	\$257,869	3.14
SANDERLING WAY	BLUE HERON DR	OSPREY DR	Full Depth Const. LO	845	47	\$209,842	3.14
PARKER ST	TANNER CT	HANOVER ST	Full Depth Const. LO	95	47	\$15,777	3.14
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Full Depth Const. LO	592	48	\$147,013	3.07
AUSTIN ST	CABOT ST	UNION ST	Full Depth Const. LO	339	48	\$92,604	3.07
VAUGHAN ST	RAYNES AV	MAPLEWOOD AV	Full Depth Const. LO	796	48	\$243,797	3.07

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STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	427	49	\$130,781	3.01
ROCKINGHAM AV	SAPHIRE ST	WOODBURY AV	Full Depth Const. LO	622	49	\$128,719	3.01
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Const. LO	837	49	\$145,499	3.01
DURGIN LN #2	512' W OF DURGIN LN	718' W OF DURGIN LN	Full Depth Const. LO	206	49	\$61,388	3.01
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Const. LO	188	55	\$28,012	3.00
LAWRENCE ST	MIDDLE ST	BOSS AV	Full Depth Const. LO	312	50	\$56,819	2.95
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Const. LO	296	51	\$63,706	2.89
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Const. LO	971	52	\$281,320	2.83
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Const. LO	356	52	\$58,938	2.83
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Const. LO	463	52	\$134,141	2.83
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Const. LO	238	52	\$49,253	2.83
HUNTERS HILL	DENNETT ST	DEAD END	Full Depth Const. LO	239	52	\$0	2.83
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Const. LO	611	52	\$161,874	2.83
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	434	53	\$107,777	2.78
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Const. LO	510	53	\$143,537	2.78
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Const. LO	907	53	\$202,715	2.78
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Const. LO	245	53	\$68,954	2.78
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Const. LO	2,028	54	\$302,172	2.73
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Const. LO	567	54	\$117,338	2.73
SPARHAWK ST	DENNETT ST	THORTON ST	Full Depth Const. LO	268	54	\$75,427	2.73
PENHALLOW ST	DANIEL ST	BOW ST	Full Depth Const. LO	423	54	\$101,423	2.73
ARTHUR F BRADY DR	WOODBURY AV	END	Full Depth Const. LO	951	55	\$314,887	2.68
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Const. LO	491	55	\$101,610	2.68
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Const. LO	284	55	\$47,018	2.68
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Const. LO	326	56	\$64,765	2.63
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Const. LO	309	56	\$63,946	2.63
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Const. LO	235	57	\$23,343	2.58
WIBIRD ST	MIDDLE ST	SOUTH RD	Full Depth Const. LO	2,020	57	\$668,844	2.58
SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Const. LO	261	59	\$41,050	2.50
DURHAM ST	AVIATION AV	DEAD END	Full Depth Const. LO	768	36	\$127,147	2.04
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	36	\$27,482	2.04
LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	36	\$68,168	2.04
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,904	1.84
ELM CT	ISLINGTON ST	DEAD END	Full Depth Const. LO	107	41	\$15,943	1.80
AVIATION AV	HAMPTON RD	ROCHESTER AV	Full Depth Const. LO	2,409	41	\$578,222	1.80
GREENLAND RD #2	DEAD END	SHERBURN DR	Full Depth Const. LO	467	43	\$123,703	1.71

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FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Full Depth Const. LO	221	43	\$36,588	1.71
WHIDDEN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	250	44	\$41,389	1.67
COLUMBIA CT	COLUMBIA ST	DEAD END	Full Depth Const. LO	207	45	\$53,119	1.64
PATRICIA DR	OCEAN RD	DEAD END	Full Depth Const. LO	410	48	\$98,423	1.53
PEARSON ST	PLAINS AV #1	DEAD END	Full Depth Const. LO	849	48	\$126,501	1.53
MARK ST	COURT ST	DEAD END	Full Depth Const. LO	244	48	\$36,356	1.53
DURGIN LN #2	DURGIN LN (EB & WB)	222' W OF DURGIN LN	Full Depth Const. LO	222	48	\$91,883	1.53
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Full Depth Const. LO	127	48	\$23,128	1.53
HEATHER LN	BUCKMINSTER WY	DEAD END	Full Depth Const. LO	134	48	\$36,604	1.53
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Const. LO	206	48	\$28,989	1.53
CHURCH ST	STATE ST	DEAD END	Full Depth Const. LO	260	48	\$32,281	1.53
FRANKLIN ST	PLEASANT ST	DEAD END	Full Depth Const. LO	244	50	\$44,435	1.47
CLIFF RD #2	DEAD END	DEAD END	Full Depth Const. LO	317	51	\$62,977	1.44
ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Full Depth Const. LO	812	52	\$168,039	1.41
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Const. LO	618	52	\$102,231	1.41
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Full Depth Const. LO	380	52	\$106,836	1.41
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Full Depth Const. LO	141	52	\$56,104	1.41
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Const. LO	749	53	\$124,001	1.39
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Const. LO	203	53	\$43,690	1.39
DODGE AV	GREENLAND RD	DEAD END	Full Depth Const. LO	807	54	\$180,365	1.36
MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Const. LO	1,162	54	\$230,851	1.36
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Const. LO	422	54	\$90,759	1.36
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Const. LO	279	55	\$32,333	1.34
VERSAILLES AV	JONES AV	DEAD END	Full Depth Const. LO	314	55	\$49,385	1.34
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Const. LO	229	56	\$60,660	1.31
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Const. LO	551	57	\$155,076	1.29
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Full Depth Const. LO	333	40	\$55,130	0.59
STARK ST	CLINTON ST	DENNETT ST	Full Depth Const. LO	951	50	\$196,804	0.41
Full Depth Reclaim AR/CO							
ESSEX AV	MELBOURNE ST	MIDDLE RD	Full Depth Reclaim AR/CO	1,404	53	\$181,210	46.75
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	58	\$158,450	42.72
JUNKINS AV	PARROT AV	PLEASANT ST	Full Depth Reclaim AR/CO	343	53	\$37,331	36.32
SUMMER ST	ISLINGTON ST	MIDDLE ST	Full Depth Reclaim AR/CO	1,147	52	\$166,544	36.21
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Full Depth Reclaim AR/CO	940	56	\$253,938	35.40
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	58	\$97,768	12.81

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Full Depth Reclaim LO							
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Full Depth Reclaim LO	204	57	\$12,059	26.36
FARM LN	200' E OF SPAULDING TP	SPAULDING TP	Full Depth Reclaim LO	253	54	\$22,433	12.24
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	50	\$89,662	7.51
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	52	\$30,690	7.22
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	518	52	\$39,767	7.22
WRIGHT AV	DANIEL ST	STATE ST	Full Depth Reclaim LO	216	53	\$31,920	7.08
CHAPEL ST	DANIEL ST	STATE ST	Full Depth Reclaim LO	287	53	\$18,661	7.08
MELBOURNE ST	VINE ST	RUTLAND ST	Full Depth Reclaim LO	1,436	53	\$106,104	7.08
WEST RD	1733' S OF PEVERLY HILL R	CAMPUS DR	Full Depth Reclaim LO	1,681	53	\$158,985	7.08
CHESTNUT ST #2	STATE ST	COURT ST	Full Depth Reclaim LO	196	55	\$20,854	6.83
BURKITT ST	CLINTON ST	THORNTON ST	Full Depth Reclaim LO	575	56	\$44,186	6.70
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	57	\$60,559	6.59
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Full Depth Reclaim LO	1,093	58	\$74,320	6.47
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Full Depth Reclaim LO	581	60	\$22,323	6.26
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Full Depth Reclaim LO	395	60	\$31,505	6.26
FRANKLIN AV	WOODBURY AV	DEAD END	Full Depth Reclaim LO	738	53	\$61,074	3.54
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	56	\$15,601	3.35
Overlay AR/CO							
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	64	\$28,486	168.48
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	63	\$28,101	152.13
DEER ST	MAPLEWOOD AV	RUSSELL ST	Overlay AR/CO	447	67	\$24,856	116.24
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,689	105.72
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Overlay AR/CO	546	65	\$10,920	101.38
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Overlay AR/CO	610	65	\$21,671	90.32
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Overlay AR/CO	1,655	65	\$58,827	90.32
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Overlay AR/CO	774	68	\$38,700	88.10
BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Overlay AR/CO	3,514	67	\$89,802	80.47
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Overlay AR/CO	753	61	\$21,742	70.70
SOUTH ST	UNION ST	WIBIRD ST	Overlay AR/CO	373	61	\$10,764	70.70
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,489	57.97
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Overlay AR/CO	983	65	\$28,398	46.08
DENNETT ST	MAPLEWOOD AV	KANE ST	Overlay AR/CO	827	65	\$19,297	46.08
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Overlay AR/CO	573	66	\$22,283	45.38

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HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	70	\$7,333	42.79
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	62	\$25,573	37.53
MAPLEWOOD AV	300' E OF DENNETT ST	RAYNES AV	Overlay AR/CO	516	71	\$22,920	34.59
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	68	\$18,600	26.43
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	68	\$35,004	17.62
BOW ST	DANIEL ST	464' N OF DANIEL ST	Overlay AR/CO	454	63	\$14,124	14.26
BRIDGE ST	HANOVER ST	ISLINGTON ST	Overlay AR/CO	379	66	\$14,731	13.61
Overlay LO							
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Overlay LO	396	61	\$13,939	66.12
BROAD ST	LINCOLN ST	SOUTH ST	Overlay LO	1,541	67	\$54,258	60.21
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Overlay LO	305	63	\$7,717	24.33
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	71	\$18,622	22.73
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	71	\$44,000	19.32
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	71	\$53,460	16.04
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	71	\$85,833	10.25
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Overlay LO	1,892	61	\$60,355	6.61
ORCHARD ST	WILLARD AV	WIBIRD ST	Overlay LO	1,200	62	\$26,400	6.50
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Overlay LO	420	62	\$18,480	6.50
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	62	\$33,851	6.50
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Overlay LO	2,714	63	\$53,737	6.40
DIAMOND DR	ONYX LA	RUBY RD	Overlay LO	680	63	\$18,700	6.40
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Overlay LO	3,872	63	\$136,291	6.40
HIGH ST	225' W OF HANOVER ST	DEER ST	Overlay LO	312	64	\$6,178	6.30
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	64	\$17,688	6.30
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Overlay LO	839	65	\$22,150	6.20
PLAINS AV #2	PLAINS AV #1	PLAINS AV #1	Overlay LO	457	65	\$10,054	6.20
SEWALL RD	ALDRICH RD	THAXTER RD	Overlay LO	237	66	\$4,953	6.11
WARD PL	MONROE ST	MIDDLE RD	Overlay LO	230	66	\$5,819	6.11
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Overlay LO	556	68	\$10,397	5.93
VINE ST	ISLINGTON ST	MELBOURNE ST	Overlay LO	238	68	\$4,974	5.93
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	68	\$16,817	5.93
THAXTER RD	ISLINGTON ST	SUNSET RD	Overlay LO	900	68	\$24,750	5.93
STARK ST	DENNETT ST	166' W OF DENETT ST	Overlay LO	166	68	\$5,478	5.93
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	69	\$34,038	5.84
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	69	\$71,757	5.84

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DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	69	\$28,655	5.84
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	69	\$15,173	5.84
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	70	\$8,470	5.76
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Overlay LO	1,071	70	\$35,343	5.76
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,647	5.76
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	71	\$29,753	5.68
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	71	\$33,165	5.68
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	71	\$35,442	5.68
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	71	\$76,923	5.68
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	71	\$26,684	5.68
RUTH ST	THORNTON ST	DEAD END	Overlay LO	253	63	\$6,123	3.20
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	63	\$10,692	3.20
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	63	\$20,605	3.20
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Overlay LO	1,295	64	\$45,584	3.15
BENSON ST	SIMS AV	DEAD END	Overlay LO	249	64	\$4,382	3.15
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	64	\$8,593	3.15
MANNING PL	GATES ST	END	Overlay LO	64	66	\$915	3.05
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	68	\$27,918	2.96
FLETCHER ST	SIMS AV	DEAD END	Overlay LO	178	68	\$3,916	2.96
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	68	\$2,668	2.96
SCHURMAN AV	COLONIAL DR	DEAD END	Overlay LO	164	71	\$4,510	2.84
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Overlay LO	305	71	\$7,381	2.84
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Overlay LO	373	68	\$9,015	0.59
Overlay w/mill AR/CO							
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Overlay w/mill AR/CO	1,313	61	\$79,025	197.99
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	70	\$20,098	91.59
PLEASANT ST	MARCY ST	WENTWORTH ST	Overlay w/mill AR/CO	625	66	\$16,125	70.38
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Overlay w/mill AR/CO	798	64	\$30,883	56.39
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$5,783	53.86
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Overlay w/mill AR/CO	632	62	\$21,725	23.97
Overlay w/mill LO							
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	71	\$123,944	31.39
HARDING RD	ADAMS AV	MCKINLEY RD	Overlay w/mill LO	1,822	61	\$73,487	10.14
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Overlay w/mill LO	2,157	64	\$57,999	9.67

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
ROCK ST	ISLINGTON ST	SUDBURY ST	Overlay w/mill LO	400	64	\$10,218	9.67
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	71	\$35,848	8.71
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	68	\$19,592	4.55
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	69	\$7,338	4.48
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	70	\$14,439	4.42
Prev. Maintenance							
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Prev. Maintenance	1,241	78	\$18,615	338.06
ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Prev. Maintenance	3,314	72	\$59,647	301.53
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Prev. Maintenance	475	73	\$10,213	191.19
BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Prev. Maintenance	275	74	\$3,300	188.62
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Prev. Maintenance	3,172	73	\$42,819	169.95
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Prev. Maintenance	479	73	\$6,223	152.95
SOUTH ST	RICHARDS ST	MILLER AV	Prev. Maintenance	348	73	\$4,521	152.95
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	73	\$115,713	127.46
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Prev. Maintenance	613	74	\$13,486	85.92
SOUTH ST	MARCY ST	JUNKINS AV	Prev. Maintenance	1,857	72	\$24,141	49.81
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Prev. Maintenance	248	72	\$5,580	43.07
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	73	\$3,973	42.48
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Prev. Maintenance	498	75	\$7,719	41.35
NEWCASTLE AV	SOUTH ST	MARCY ST	Prev. Maintenance	842	77	\$10,105	28.20
JOAN AV	ANNE AV	RICCI AV	Prev. Maintenance	325	72	\$4,875	10.76
HIGH ST #2	CONGRESS ST	LADD ST	Prev. Maintenance	224	72	\$2,128	10.76
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Prev. Maintenance	1,364	72	\$15,004	10.76
MONROE ST	WARD PL	MIDDLE RD	Prev. Maintenance	342	72	\$7,524	10.76
ASH ST	ORCHARD ST	WILLARD AV	Prev. Maintenance	279	73	\$4,185	10.62
RICCI AV	JOAN AV	ROBERTS AV	Prev. Maintenance	390	73	\$5,850	10.62
ROBERT AV	LAFAYETTE RD	ANNE AV	Prev. Maintenance	875	73	\$15,313	10.62
VAN BUREN AV	FILMORE RD	HARRISON AV	Prev. Maintenance	1,028	73	\$16,448	10.62
WILSON RD	TAFT RD	930' W OF TAFT RD	Prev. Maintenance	948	73	\$12,798	10.62
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Prev. Maintenance	396	73	\$4,356	10.62
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Prev. Maintenance	833	73	\$13,328	10.62
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Prev. Maintenance	805	73	\$12,075	10.62
GRANT AV	EDGEWOOD RD	ELWYN RD	Prev. Maintenance	244	74	\$3,660	10.47
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Prev. Maintenance	322	74	\$4,830	10.47
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Prev. Maintenance	496	74	\$6,448	10.47

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
ADAMS AV	HARDING RD	DEAD END	Prev. Maintenance	468	73	\$7,020	5.31
SIMS AV	MELBOURNE ST	DEAD END	Prev. Maintenance	660	74	\$6,600	5.23
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Prev. Maintenance	248	75	\$4,712	5.16
MONROE ST EX	SOUTH ST	DEAD END	Prev. Maintenance	244	76	\$2,806	5.10
ORCHARD CT	WILLARD AV	DEAD END	Prev. Maintenance	187	77	\$1,870	5.03
PRAY ST	MARCY ST	DEAD END	Prev. Maintenance	268	77	\$1,608	5.03

2014 PCI

103.51 Miles \$ 28,103,713



Appendix D

Backlog List – Pease ■

*All Backlogs are based from PCI's projected to April 2015

Pavement Scenario Results Report

2014 Pavement Repair Backlog Report - Pease Area Only

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
2014							
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Crack & Patch	700	72	\$5,602	11
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Const. LO	422	54	\$90,759	1
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	100	\$0	0
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	100	\$0	0
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	100	\$0	0
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5300' N OF PEASE BLVD	Do Nothing	2,581	100	\$0	0
ARBORETUM DRIVE	5300' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	250	100	\$0	0
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	100	\$0	0
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Full Depth Const. LO	1,858	42	\$353,800	4
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Full Depth Const. LO	971	45	\$184,944	3
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Full Depth Const. LO	1,590	46	\$302,661	3
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Full Depth Reclaim LO	1,093	58	\$74,320	6
ARBORETUM DRIVE	SHORT ST	DEAD END	Full Depth Const. LO	4,657	31	\$886,622	5
AVIATION AV	GRAFTON DR	DURHAM ST	Crack or Patch	1,177	87	\$1,216	92
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	98	\$0	0
AVIATION AV	HAMPTON RD	ROCHESTER AV	Full Depth Const. LO	2,409	41	\$578,222	2
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Overlay AR/CO	983	65	\$28,398	46
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	99	\$0	0
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Do Nothing	889	99	\$0	0
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Const. AR/CO	4,692	47	\$1,084,373	19
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Const. AR/CO	1,926	54	\$445,120	21
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Overlay AR/CO	774	68	\$38,700	88
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crack & Patch	716	79	\$7,001	157
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Full Depth Const. LO	970	36	\$208,766	4
DURHAM ST	AVIATION AV	DEAD END	Full Depth Const. LO	768	36	\$127,147	2
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Full Depth Const. LO	1,788	41	\$444,020	4
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Overlay LO	1,071	70	\$35,343	6
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Full Depth Const. LO	830	41	\$206,117	14

Pavement Scenario Results Report

2014 Pavement Repair Backlog Report - Pease Area Only

<u>Street Name</u>	<u>From</u>	<u>To</u>	<u>Alternative</u>	<u>Length (ft)</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit Value</u>
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	34	\$128,024	17
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	100	\$0	0
GRAFTON DR	CARPORATE DR	SHERBURNE RD	Do Nothing	2,642	100	\$0	0
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	62	\$33,851	7
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Full Depth Const. AR/CO	352	37	\$84,480	24
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	RYE ST	Crack & Patch	2,408	74	\$11,130	419
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Do Nothing	2,375	99	\$0	0
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Do Nothing	351	99	\$0	0
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Full Depth Reclaim AR/CO	940	56	\$253,938	35
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	434	53	\$107,777	3
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crack & Patch	515	75	\$2,838	83
MANCHESTER SQ	500' W OF INTERNATIONAL D	NEW HAMPSHIRE DR	Full Depth Const. AR/CO	512	46	\$118,329	10
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	73	\$115,713	127
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	468	45	\$127,842	3
OAK AVE	CORPORATE DR	PINECREST TER (E)	Full Depth Const. LO	754	52	\$149,795	6
OAK AVE	50' W OF MAPLEWOOD DR	243' E OF INTERNATIONAL DR	Full Depth Const. LO	650	45	\$134,514	7
OAK AVE	243' E OF INTERNATIONAL DR	INTERNATIONAL DR	Full Depth Const. LO	243	55	\$50,288	5
PEASE BV	New Hampshire Ave	466' E of New Hampshire Ave	Do Nothing	466	100	\$0	0
PEASE BV	466' E of New Hampshire Ave	860' E of New Hampshire Ave	Do Nothing	391	100	\$0	0
PEASE BV	860' E of New Hampshire Ave	SPAULDING TNPK	Do Nothing	2,169	100	\$0	0
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Do Nothing	2,129	100	\$0	0
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	32	\$637,720	5
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Full Depth Const. LO	592	48	\$147,013	3
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Crack & Patch	1,622	75	\$7,209	21
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Full Depth Const. LO	437	38	\$75,965	4
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Const. LO	427	49	\$130,781	3

2014 Pease

71,961

\$ 7,420,337



Appendix E

Crackseal Candidate List ■

Crackseal Candidate List

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
AIRLINE AV	EXETER ST	700' N OF EXETER ST	700	83
ANNE AV	ROBERTS AV	JOAN AV	425	88
ARTHUR RD	CLEVELAND DR	TAYLOR RD	634	86
ASH ST	WILLARD AV	DEAD END	357	87
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	83
BOW ST	DANIEL ST	464' N OF DANIEL ST	454	76
BREWSTER ST	ISLINGTON AV	DEAD END	587	86
BROAD ST	LINCOLN ST	SOUTH ST	1,541	75
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	966	75
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	2,509	77
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	1,592	88
CONGRESS ST	PLEASANT ST	MIDDLE ST	998	87
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
CRESCENT WY	DEAD END	PREBLE WY	1,445	88
DAVIS RD	GRIFFIN RD	CUL DE SAC	574	90
DECATUR RD	COLONIAL DR	COLONIAL DR	1,042	77
DENNETT ST	MAPLEWOOD AV	KANE ST	827	78
DENNETT ST	KANE ST	WOODBURY AV	2,702	85
DURGIN LN #2	718' W OF DURGIN LN	DEAD END	185	87
DURGIN LN EB	END OF ISLAND	WOODBURY AV	248	76
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	246	83
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	82
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	170	88
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	170	88
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	280	79
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	1,023	89
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	1,241	79
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	1,022	87
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	2,913	79
GREENLAND RD #3	RT 101	DEAD END	456	88
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	250	85
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	741	88
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	1,086	87

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	412	87
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
HAVEN RD	SOUTH ST	DEAD END	546	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	RYE ST	2,408	86
JONES AV	SAGAMORE AV	INCINERATOR RD	2,741	89
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	959	75
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	798	77
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	89
KENSINGTON RD	MIDDLE RD	BOSS AV	670	76
LAFAYETTE RD	WILLARD AV	MIDDLE ST	588	89
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	671	85
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	2,714	75
LOIS ST	MIDDLE RD	DEAD END	486	75
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	537	90
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	515	87
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	613	75
MAPLEWOOD AV	291' W OF CENTRAL AV	300' E OF DENNETT ST	2,134	89
MAPLEWOOD AV	300' E OF DENNETT ST	RAYNES AV	516	84
MAPLEWOOD TER	MAPLE DR (N)	265' S OF MAPLE DR (N)	265	79
MAPLEWOOD TER	265' S OF MAPLE DR (N)	MAPLE DR (S)]	699	77
MARCY ST	PLEASANT ST	SOUTH ST	168	82
MARJORIE ST	MIDDLE RD	DEAD END	669	75
MARKET ST	BOW ST	DEER ST	731	89
MARKET ST	DEER ST	RUSSELL ST	501	89
MARKET ST WB	KEARSARGE WY	WOODBURY AV	3,403	77
MASON AV	DECATUR RD	COLONIAL AV	637	76
MENDUM AV	MIDDLE ST	PARK ST	542	89
MIDDLE ST	MIDDLE RD	MILLER AV	2,999	85
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	498	76
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	498	76
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
NORTHWEST ST	MAPLEWOOD AV	DEAD END	1,269	76



Appendix F

Unit Costs ■

Name	Cost/SY
Do Nothing	\$0.00
Crack or Patch	\$0.30
Crack & Patch	\$1.60
Preventive Maintenance	\$4.50
Overlay LO	\$9.90
Mill & Overlay Arterial/Collector	\$10.00
Mill & Overlay Local Road	\$12.10
Overlay w/mill AR/CO	\$12.90
Injected Base/ Pave 2"	\$15.50
Overlay w/mill and Fibermat	\$16.45
Full Depth Reclaim Local Road	\$26.60
Remove Pavement, Grade, and Pave	\$36.00
Full Depth Reclaim Arterial/Collector	\$36.30
Full Depth Construction Local Road	\$74.50
Full Depth Construction Arterial/Collector	\$80.00



Appendix G

Glossary of Terms

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, including bituminous concrete, surface treated, gravel, portland cement concrete, and composite, to the streets and roads. 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



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.

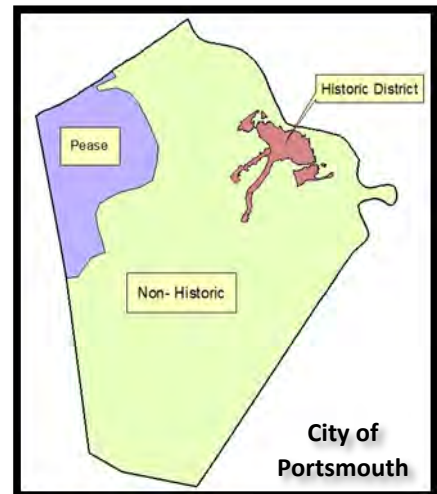


Figure 1. The three study areas.

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"> •Sidewalk •Path •Stairs 	<ul style="list-style-type: none"> •Concrete (PCC) •Asphalt (HMA) •Brick (BR) •Stone •Stone Dust •Dirt •Pavers •Composite •Gravel •Wood 	<ul style="list-style-type: none"> •Broken (BR) •Missing (BR) •Fractured (PCC) •Uneven (PCC) •Surface Wear (PCC) •Alligator Cracking (HMA) •Linear Cracking (HMA) •Potholes (HMA) •Distortion (All Materials)

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.

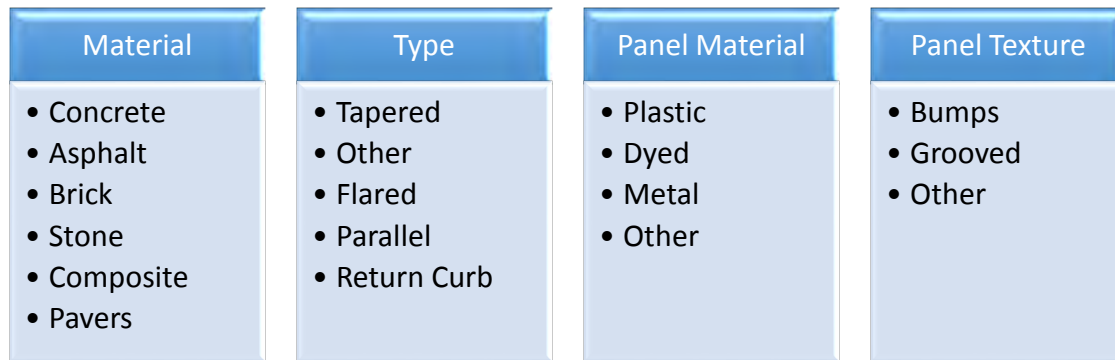


Figure 3 Subcategories for ramp attributes.

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
Total (ft)	257,490	96,278	48,263	353,768	----
Total (miles)	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.

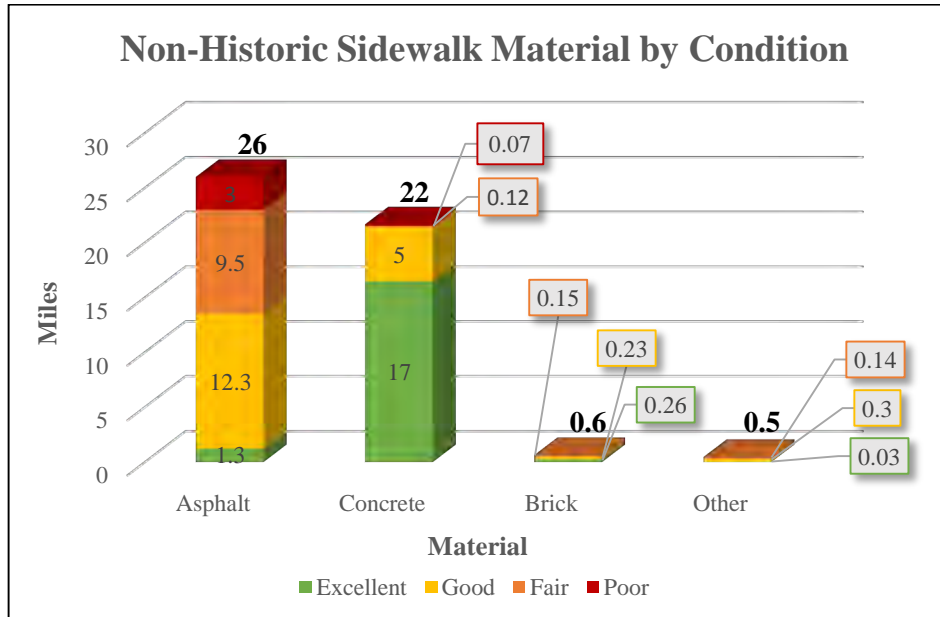


Figure 4 Non-Historic sidewalk material by miles of conditional ranking.

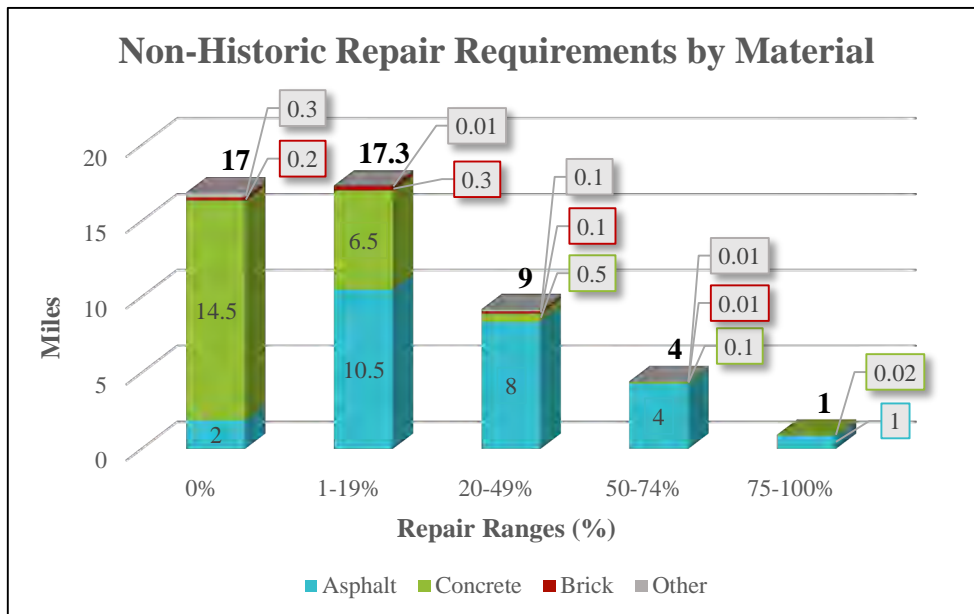


Figure 5 Percent repair requirements for Non-Historic sidewalks by miles of material type.

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.

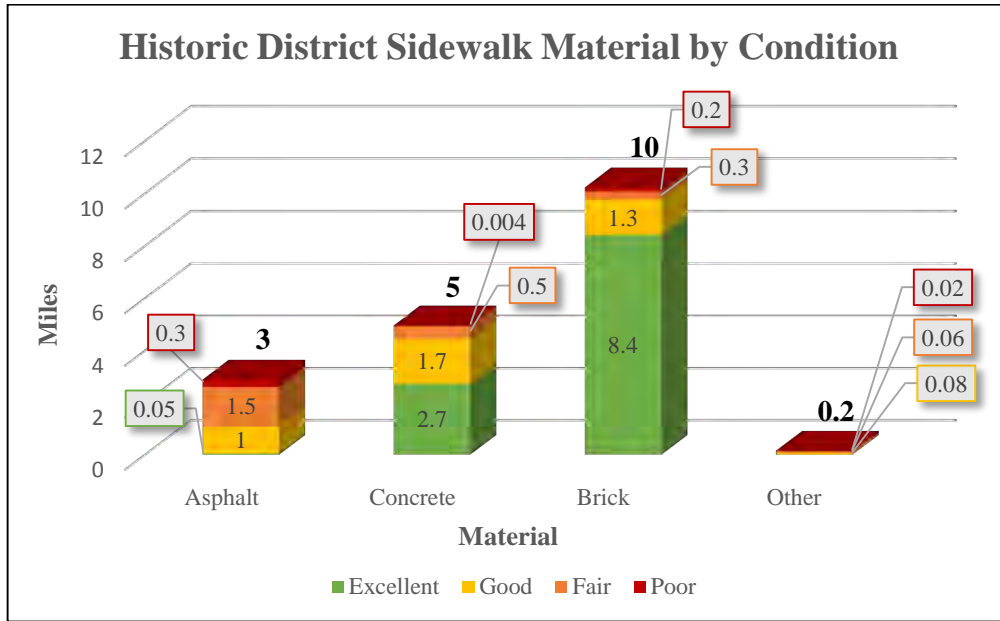


Figure 6 Portsmouth’s Historic District sidewalk material by miles of conditional ranking

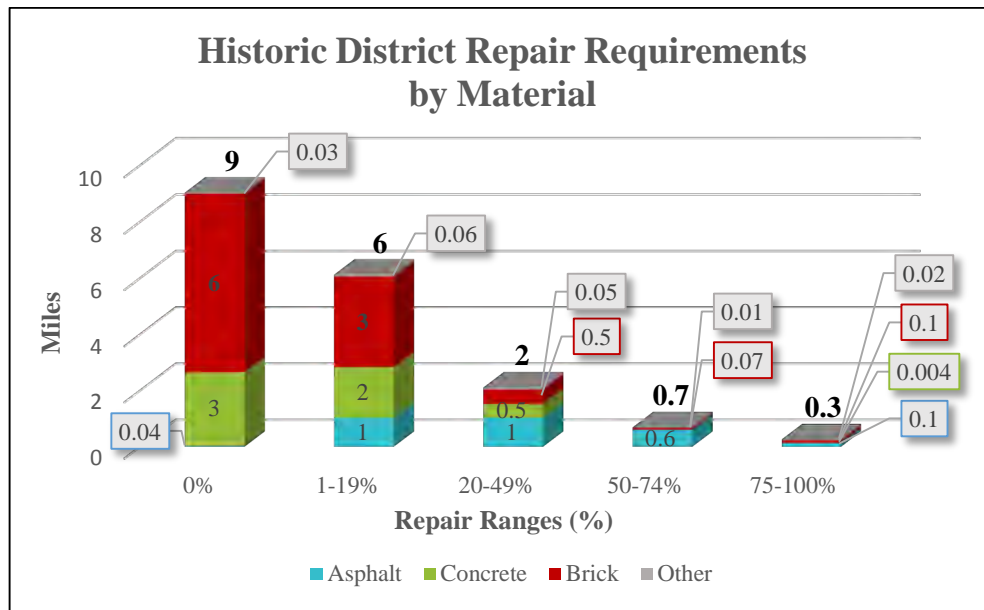


Figure 7 Percent repair requirements for Portsmouth’s Historic District sidewalks by miles of material type.

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.

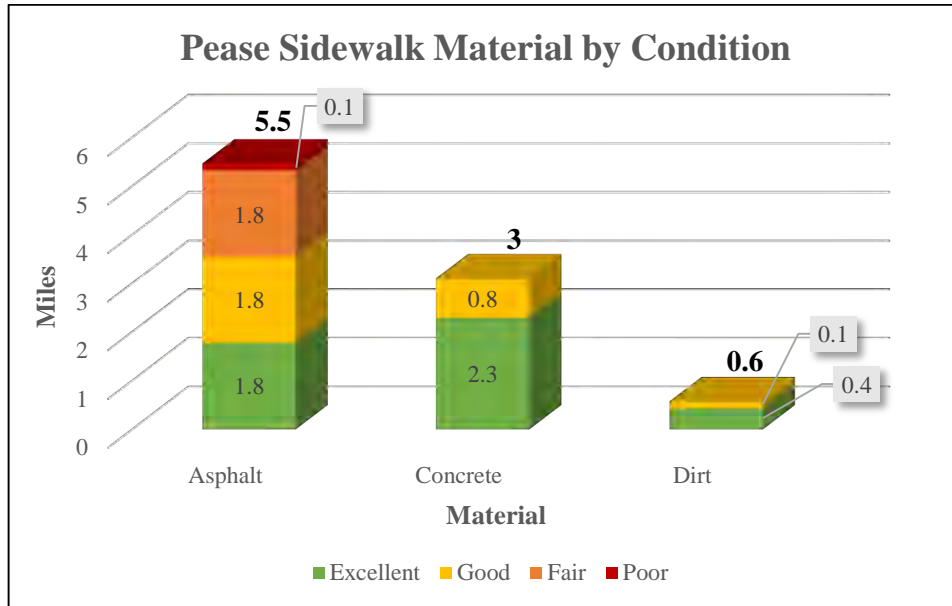


Figure 8 Pease sidewalk material by miles of conditional ranking.

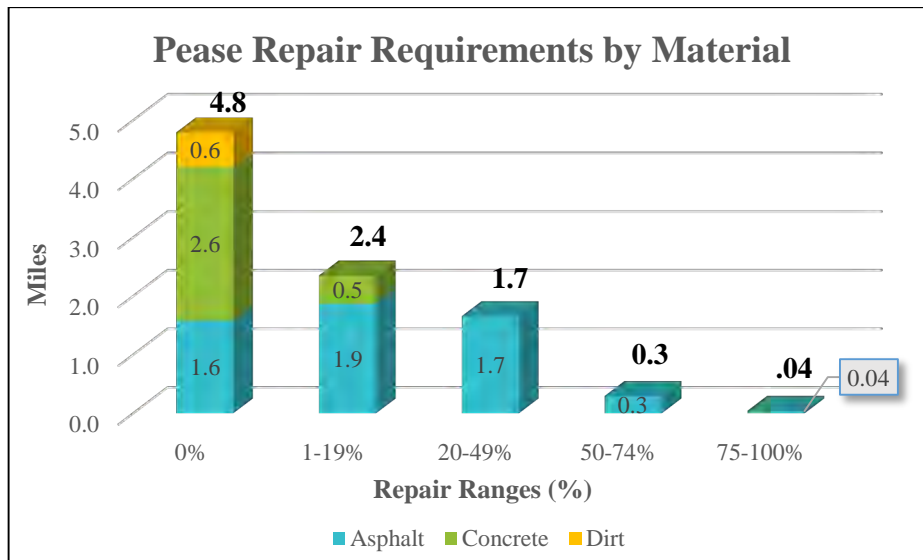


Figure 9 Pease percent repair requirements by miles of material type.

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.

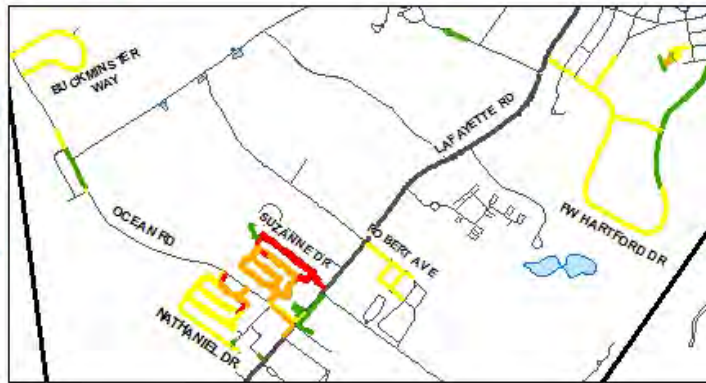
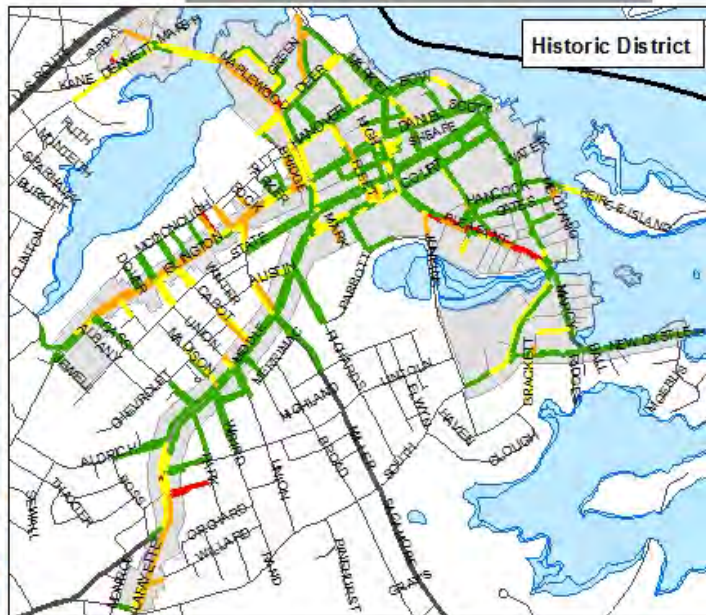
Similar to City sidewalks, the majority of Pease sidewalks were ranked as either excellent or good, as seen in Map 3, which shows sidewalk conditions and materials. Comparison of the condition and material maps for the three areas of the City show that sidewalks ranked as poor correlate with those having asphalt material. Further, sidewalks ranked in excellent condition were found to correlate with concrete or brick sidewalks.

City Sidewalks by Condition

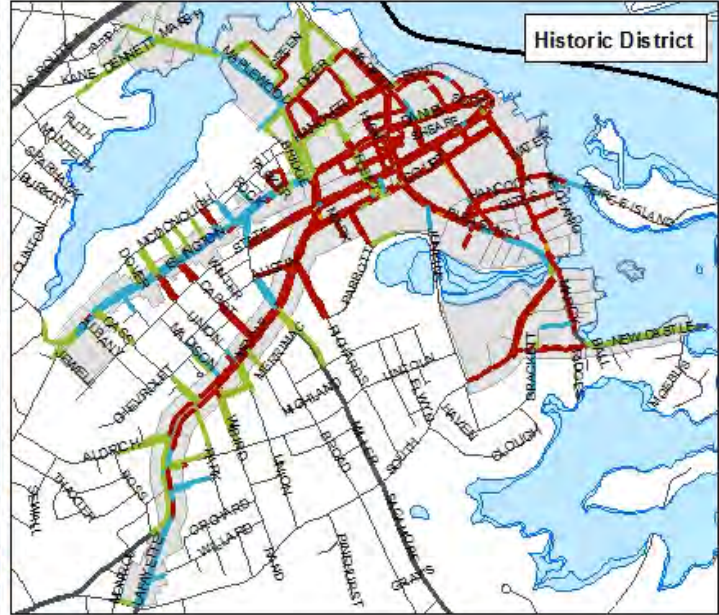
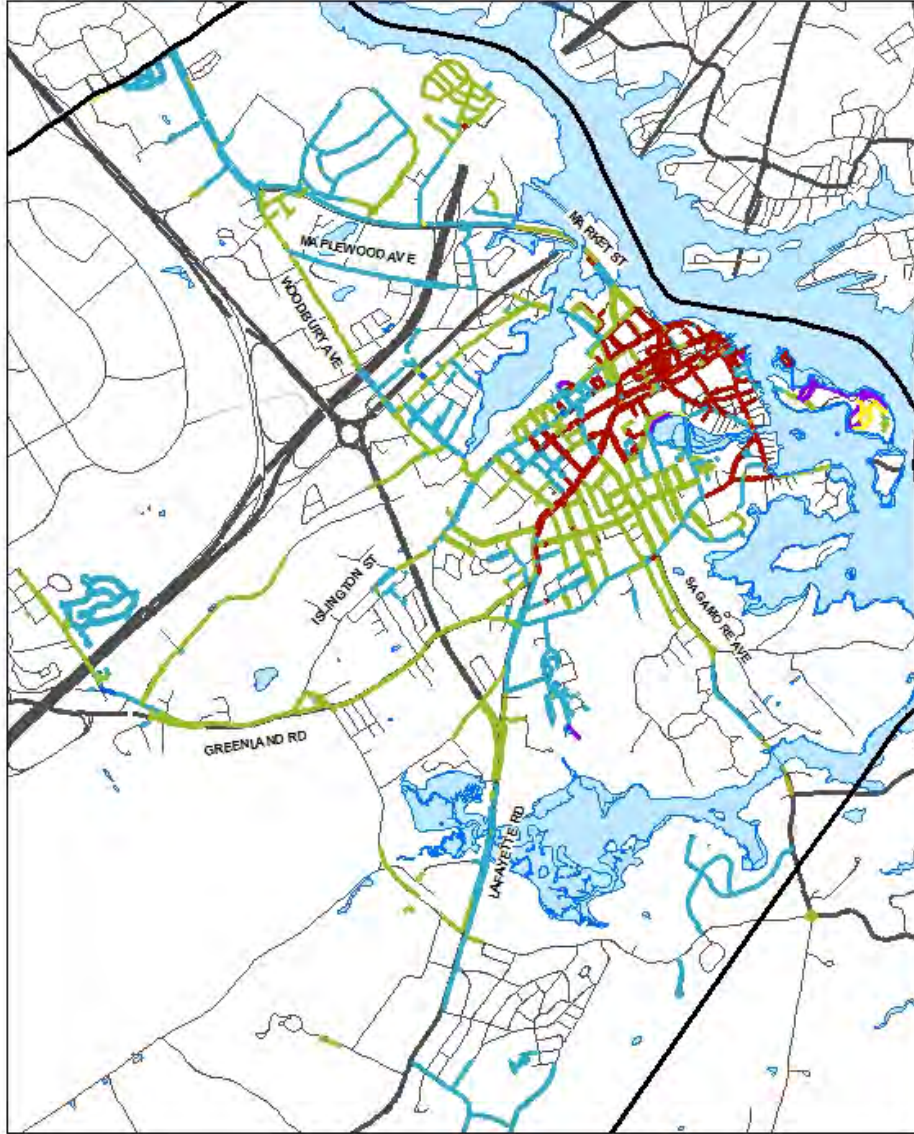
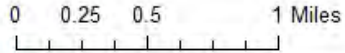
0 0.25 0.5 1 Miles



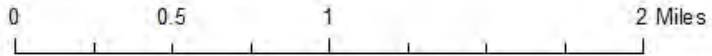
Legend			
—	Excellent		City Line
—	Good		Open Water
—	Fair		Historic District
—	Poor		Streets



City Sidewalks by Material

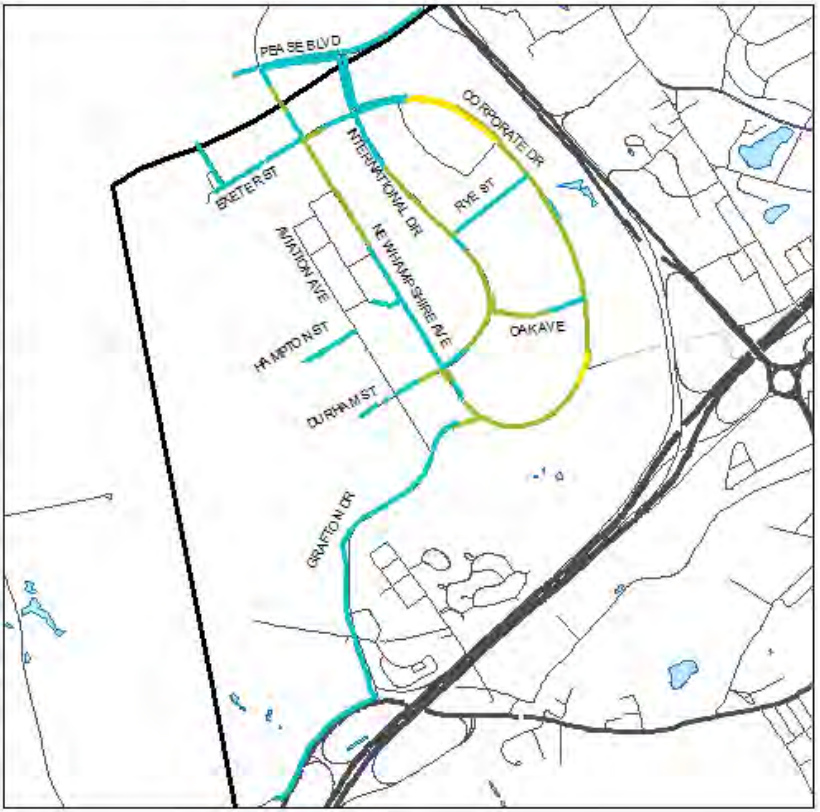
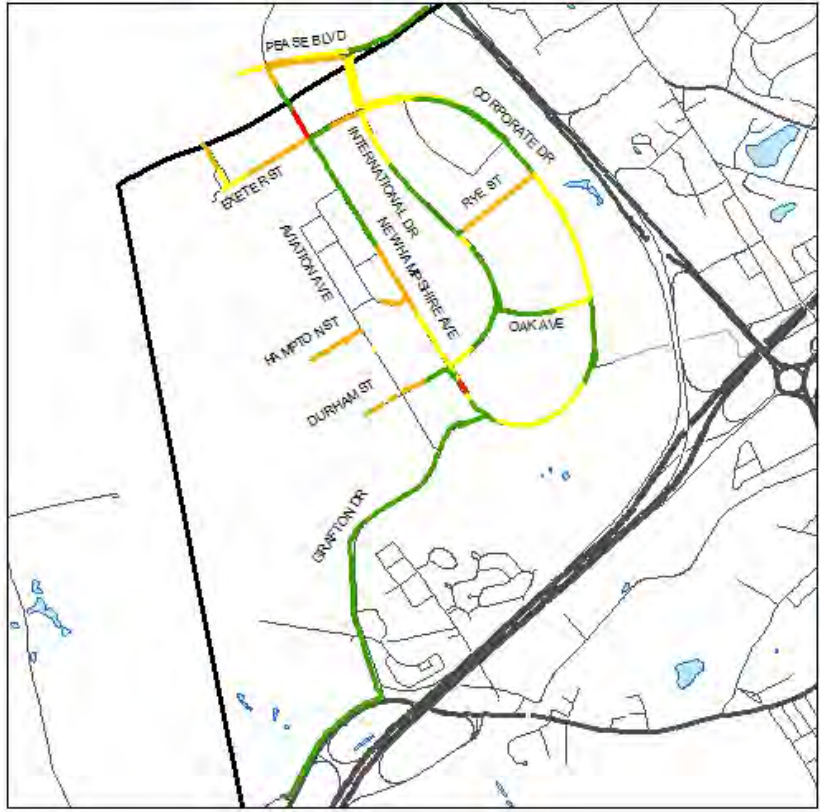


Pease International Tradeport



Condition	
Excellent	Fair
Good	Poor

Material	
Asphalt	City Line
Concrete	Open Water
Dirt	Streets



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
Total	4,338,695	1,419,375	5,758,070

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
ALBACORE WAY					708
concrete	708				708
ALDRICH RD					2652
concrete	2652				2652
ANDREW JARVIS DR					799
asphalt			799		799
ANNE AVE					368
asphalt		368			368
ARTHUR F BRADY DR					920
asphalt			169	479	648
concrete	273				273
ASH ST					433
concrete	433				433
AUSTIN ST	672	1075			1950
asphalt		723		202	926
brick	299				299
concrete	373	352			726
BARTLETT ST		916			2880
asphalt		644	1565	336	2545
concrete	64	192			256
dirt		79			79
BEDFORD WAY					374
asphalt			374		374
BLUE HERON DR					2208
asphalt		1853	355		2208
BORTHWICK AVE		545			3967
asphalt		106			106
concrete	3423	439			3861
BOSS AVE					625
asphalt			272		272
concrete	353				353
BRACKETT RD					221
concrete	221				221
BREWERY LN	289				576
asphalt	45				45
concrete	245	287			531
BREWSTER ST					259
asphalt			259		259

Street/Material	Excellent	Good	Fair	Poor	Total
BRIDGE ST	269				369
brick	199				199
concrete	70		100		170
BRIGHAM LN					436
concrete	436				436
BROAD ST					3464
concrete	1213	2251			3464
BUCKMINSTER WAY					3008
asphalt		3008			3008
BURKITT ST					97
asphalt		84			84
concrete	13				13
CABOT ST	120	661			780
brick	49	597			646
composite		63			63
concrete	71				71
CAMPUS DR					434
concrete	434				434
CARDINAL LN					112
asphalt	112				112
CASS ST					1522
concrete	1522				1522
CHASE DR					874
asphalt			874		874
CHATHAM ST		326			326
asphalt		42			42
concrete		284			284
CLINTON ST					747
asphalt			77	670	747
CLOUGH DR					1853
asphalt		1448			1448
concrete	404				404
COAKLEY RD					217
concrete	217				217
COLONIAL DR					7337
asphalt			4618	2381	6999
concrete	338				338
COLUMBIA CT					23
asphalt		23			23
COLUMBIA ST					543
asphalt		347	196		543

Street/Material	Excellent	Good	Fair	Poor	Total
COMMERCE WAY					400
asphalt		400			400
CONCORD WAY					1252
concrete	1252				1252
CORNWALL ST					132
concrete	132				132
COTTAGE ST	1210				1361
asphalt				84	84
concrete	1181	66			1247
dirt	29				29
CRESCENT WAY					1094
concrete	339	755			1094
CUTTS ST					881
asphalt				881	881
DECATUR RD					1754
asphalt			1754		1754
DENISE ST					1592
asphalt		1592			1592
DENNETT ST					2419
concrete	881	1538			2419
DOVER ST					87
concrete	87				87
DUNLIN WAY					1048
asphalt	466	583			1048
DURGIN LN					748
asphalt		572	176		748
ECHO AVE					71
concrete	71				71
ELWYN AVE					2060
concrete	2060				2060
ELWYN RD					340
concrete	340				340
ESSEX AVE					96
concrete	96				96
FALKLAND PL					285
concrete	20	264			285
FILLMORE RD					313
asphalt		313			313
FRANKLIN DR					643
asphalt			643		643
FRENCHMAN'S LN					178
concrete	178				178

Street/Material	Excellent	Good	Fair	Poor	Total
FRIEND ST					131
concrete	131				131
FW HARTFORD DR					6879
asphalt	2534	4345			6879
GEORGES TER					434
asphalt			434		434
GOSLING RD		685			1851
asphalt		126	1165		1291
dirt		559			559
GOSPORT RD					2735
asphalt	176	2559			2735
GRANITE ST					1273
asphalt		168			168
concrete	1105				1105
GREENLAND RD			713		5331
asphalt			483	632	1115
composite			230		230
concrete	3986				3986
GREENLEAF AVE					1641
concrete		1641			1641
GREENSIDE AVE					89
concrete			89		89
GRIFFIN RD					211
asphalt		138			138
concrete	72				72
HALL CT					320
asphalt			320		320
HANOVER ST		666			1664
asphalt		142	728	270	1140
concrete		479			479
stone		45			45
HAVEN RD					1143
concrete	1143				1143
HAWTHORNE ST	496				496
brick	82				82
concrete	414				414
HIGHLAND ST					1273
concrete	910	363			1273
HOOVER DR					774
asphalt		774			774

Street/Material	Excellent	Good	Fair	Poor	Total
ISLINGTON ST		2204		1299	4773
asphalt		2037	92	999	3128
concrete	1178	168		300	1645
JOAN AVE					453
asphalt		453			453
JUNKINS AVE					2217
asphalt		1894	323		2217
KEARSARGE WAY		1965			2910
asphalt		1540			1540
concrete	945	425			1370
KENSINGTON RD					464
asphalt		254			254
concrete				210	210
KENT ST					828
concrete	828				828
LAFAYETTE RD	6204				13862
asphalt	312	4972	2677	9	7970
concrete	5892				
LANGDON ST					64
asphalt			64		64
LAUREL CT					941
concrete	941				941
LAWRENCE ST					329
asphalt				329	329
LEDGEWOOD DR					352
concrete	352				352
LINCOLN AVE					5649
concrete	4908	741			5649
LONGMEADOW RD					286
concrete	286				286
LOVELL ST					303
concrete	303				303
MADISON ST					375
asphalt		375			375
MAPLEWOOD AVE				373	4294
asphalt	170	574	3178	258	4180
concrete				115	115
MARCY ST	184				219
brick	26				26
concrete	158	35			193
MARIETTE DR					4835
asphalt		3797	565	474	4835

Street/Material	Excellent	Good	Fair	Poor	Total
MARKET ST	2006	6487	1006		9499
asphalt	641	5023	807		6470
brick	54		119		173
composite		17			17
concrete	1310	1448			2758
dirt			81		81
MASON AVE					1138
asphalt			1138		1138
MCDONOUGH ST			559		2082
asphalt			559		559
concrete	1524				1524
MELBOURNE ST					413
asphalt			370	44	413
MENDUM AVE				37	37
asphalt				37	37
MERRIMAC ST					827
concrete	827				827
MICHAEL SUCCI DR					198
asphalt			198		198
MIDDLE RD					5020
concrete	5020				5020
MILLER AVE					3125
concrete	3125				3125
MIRONA RD	385				385
asphalt	220				220
concrete	165				165
MONROE ST					296
asphalt			255		255
concrete	40				40
MYRTLE AVE					435
asphalt				435	435
NATHANIEL DR					1457
concrete		1457			1457
NEW CASTLE AVE					1804
asphalt		123			123
concrete	1682				1682
NEW HAMPSHIRE AVE					72
asphalt			72		72
OAKWOOD DR					940
asphalt			940		940

Street/Material	Excellent	Good	Fair	Poor	Total
OCEAN RD		893			2136
asphalt		547	477		1024
concrete	766	346			1112
ODIORNE POINT RD					3277
asphalt	1718	1559			3277
ORCHARD ST		78			580
asphalt			333	169	503
brick		46			46
concrete		32			32
OSPREY DR					1876
asphalt		1876			1876
PAMELA ST					949
asphalt			949		949
PARK ST					634
concrete	634				634
PARROTT AVE	1672	1966	780		4418
asphalt	227	967	681		1875
brick	41				41
concrete	1403	222	99		1724
dirt		237			237
stone dust		541			541
PATRICIA DR					27
concrete		27			27
PEARL ST					275
asphalt			106	169	275
PEIRCE ISLAND RD					786
concrete	63	723			786
PEVERLY HILL RD					1771
concrete	368	1403			1771
PINE ST					712
asphalt		712			712
PINEHURST RD					383
asphalt				383	383
PLAINS AVE					422
concrete	422				422
PORPOISE WAY					553
concrete	553				553
PORTSMOUTH BLVD					2151
asphalt		2012			2012
dirt	140				140
PREBLE WAY					426
concrete	426				426

Street/Material	Excellent	Good	Fair	Poor	Total
RALEIGH WAY					1223
concrete	1223				1223
RANGER WAY					750
concrete	750				750
RICCI AVE					388
asphalt		388			388
RICHARDS AVE					3443
concrete	3443				3443
ROBERT AVE					907
asphalt		907			907
ROCK ST					225
asphalt			138	87	225
ROCKINGHAM AVE					154
concrete	154				154
ROCKLAND ST					1922
concrete	1922				1922
ROGERS ST					155
concrete	155				155
RUTLAND ST					58
asphalt			58		58
RYE TRAFFIC CIRCLE - SAGAMORE AVE					443
concrete	443				443
SAGAMORE AVE					5291
asphalt			1626		1626
concrete	3664				3664
SANDERLING WAY					663
asphalt		618			618
concrete	46				46
SARATOGA WAY					682
concrete	382	300			682
SCHURMAN AVE					228
asphalt			228		228
SHEARWATER DR					1181
asphalt		166	1014		1181
SHEFFIELD RD					219
asphalt		42	177		219
SHERBURNE AVE					1329
concrete	786	543			1329
SHERBURNE RD					3165
asphalt			300		300
composite			199		199
concrete	2404	462	101		2865

Street/Material	Excellent	Good	Fair	Poor	Total
SIMONDS RD					1637
asphalt			1469	168	1637
SOUTH ST		1931			5347
asphalt		1874	2476	127	4477
brick		57			57
concrete	813				813
SPARHAWK ST			769		769
asphalt			769		769
SPINNAKER WAY					3325
concrete	42	3283			3325
SPRING ST					170
concrete	170				170
STARK ST			387		831
asphalt			82		82
composite			305		305
concrete	359	85			444
STATE ST	561	1339	885		2785
asphalt		657	441		1098
brick	438	474	444		1356
concrete	123	208			331
STAYSAIL WAY		197			764
asphalt		43			43
concrete	566	154			720
SUDBURY ST			235		333
asphalt			105	99	203
brick			130		130
SUMMER ST		234			798
asphalt		221	362		583
brick		13			13
concrete	202				202
SUMMIT AVE					553
asphalt			553		553
SUNSET DR					828
asphalt		828			828
SUZANNE DR					7309
asphalt			3798	3511	7309
TAFT RD					699
asphalt		699			699
TANNER ST					44
asphalt			44		44
THAXTER RD					1321
concrete	116	1205			1321

Street/Material	Excellent	Good	Fair	Poor	Total
THORNTON ST					1397
asphalt		164	1211	21	1397
TJ GAMESTER AVE					915
asphalt		915			915
UNION ST	2491		877		3887
asphalt		519	809		1328
brick	135		68		203
concrete	2355				2355
VICTORY RD					125
asphalt		73	52		125
WALLIS RD					1504
asphalt			1504		1504
WARD PL					24
concrete	24				24
WEALD RD					655
asphalt		655			655
WEDGEWOOD RD					2635
asphalt		2635			2635
WHIPPLE CT					432
asphalt				432	432
WIBIRD ST	2454				2454
brick	57				57
concrete	2397				2397
WILLARD AVE			1354		1801
asphalt			1177	448	1625
brick			45		45
concrete			92		92
pavers			39		39
WILSON RD					93
asphalt		93			93
WINCHESTER ST					157
concrete	157				157
WINSOR RD					660
asphalt		660			660
WINTER ST					332
concrete		332			332
WOODBURY AVE		7052			14040
asphalt		3401	2872	1548	7821
concrete	2569	3651			6220
WORTHEN RD					99
asphalt		99			99
Grand Total	95,417	93,617	52,150	16,306	257,490

Appendix B – Pease Sidewalk Lengths (ft)

Street/Material	Excellent	Good	Fair	Poor	Total
AIRLINE AVE					745
asphalt		280	465		745
AVIATION AVE					24
concrete		24			24
CORPORATE DR	5773	6966			12969
asphalt		2032		230	2262
concrete	3459	4209			7667
dirt	2315	725			3040
DURHAM ST					1274
asphalt			824		824
concrete	450				450
EXETER ST					1550
asphalt		493	1057		1550
GRAFTON DR	8346				8346
asphalt	7868				7868
concrete	478				478
HAMPTON ST					1032
asphalt			1032		1032
INTERNATIONAL DR					7366
asphalt		3553			3553
concrete	3813				3813
MANCHESTER SQ					916
asphalt			518		518
concrete	398				398
NEW HAMPSHIRE AVE					5750
asphalt		1068	1628	505	3201
concrete	2549				2549
OAK AVE					1589
asphalt		654			654
concrete	935				935
PEASE BLVD		1279			4622
asphalt	1541	1253	1802		4597
concrete		25			25
ROCHESTER AVE					485
asphalt			485		485
RYE ST					1596
asphalt			1559		1559
concrete	37				37
Grand Total	23,842	14,317	9,370	735	48,264

Appendix C – Historic District Sidewalk Lengths (ft)

Street/Material	Excellent	Good	Fair	Poor	Total
ALDRICH RD					938
concrete	938				938
ATKINSON ST					302
brick	302				302
AUSTIN ST					505
brick	63	442			505
BARTLETT ST					365
concrete	365				365
BOW ST	1121	257			1378
asphalt		73			73
brick	1105	184			1289
concrete	16				16
BRACKETT RD					550
asphalt		550			550
BREWSTER ST					474
asphalt			474		474
BRIDGE ST					1104
concrete	99	332	672		1104
CABOT ST					2111
brick		1011	484		1495
concrete	616				616
CASS ST					1254
concrete	1254				1254
CERES ST	372				372
brick	303				303
concrete	69				69
CHAPEL ST					426
brick	426				426
CHAUNCEY ST					577
concrete	577				577
CHESTNUT ST					315
brick	315				315
CHURCH ST					363
brick	335	28			363
COLUMBIA ST					221
asphalt		221			221
COMMERCIAL ALY					193
brick	193				193
CONGRESS ST					1498
brick	1498				1498

Street/Material	Excellent	Good	Fair	Poor	Total
CORNWALL ST					309
concrete	309				309
COURT PL					302
asphalt		152			152
concrete			150		150
COURT ST		1203			4068
brick	2864	958			3823
concrete		245			245
DANIEL ST	1668				1873
brick	1620				1620
concrete	48	205			252
DEER ST		1679			2283
asphalt		325			325
brick	603	125			729
concrete		1229			1229
DENNETT ST					1434
concrete	337	1097			1434
DOVER ST					340
concrete	340				340
DUTTON AVE	396				396
brick	369				369
concrete	28				28
FLEET ST		746	592		1511
asphalt		36			36
brick	173	37	93		303
concrete		673	473		1146
stone			27		27
GARDNER ST					283
brick	283				283
GATES ST					932
brick	932				932
GREEN ST					170
brick	170				170
HANCOCK ST					1130
brick	1130				1130
HANOVER ST		715			2210
brick	1402	157			1559
concrete		558	93		651
HIGH ST		702			1195
brick	493	349			841
concrete		353			353
HIGHLAND ST					402
concrete	402				402

Street/Material	Excellent	Good	Fair	Poor	Total
HUMPHREY'S CT					400
asphalt		339			339
concrete			61		61
ISLINGTON ST	997	1225	3563		5785
asphalt	200	860	3236		4296
brick	194	35	53		282
composite			273		273
concrete	604	330			934
JUNKINS AVE					257
asphalt			257		257
LADD ST					432
brick	432				432
LAFAYETTE RD					1357
asphalt		351	1005		1357
LANGDON ST			286		618
asphalt		101	79		181
brick			207	231	438
LINCOLN AVE	652				652
brick	41				41
concrete	611				611
LIVERMORE ST					224
asphalt				35	35
brick	56	133			189
MADISON ST	332				859
asphalt		488			488
brick	67		38		105
concrete	265				265
MANNING ST					45
brick	45				45
MAPLEWOOD AVE	601	2248	1834		4803
asphalt		44	1530	120	1694
brick	373				373
concrete	228	2204	303		2735
MARCY ST	3204	227			3431
asphalt		161			161
brick	3127				3127
concrete	76				76
stone		65			65
MARK ST					219
brick			219		219
MARKET SQ					318
brick	106	211			318

Street/Material	Excellent	Good	Fair	Poor	Total
MARKET ST	2429				2429
brick	1988				1988
concrete	441				441
MECHANIC ST					470
asphalt			157		157
brick	312				312
MENDUM AVE					667
asphalt				667	667
MIDDLE RD					150
concrete	150				150
MIDDLE ST		1648	274		8080
asphalt		179	95	44	318
brick	6113	497	179		6789
concrete		905			905
stone		67			67
MILLER AVE					1134
concrete	1134				1134
NEW CASTLE AVE	2184				2184
brick	932				932
concrete	1252				1252
PARK ST					553
concrete	553				553
PARKER ST					186
brick	186				186
PARROTT AVE					310
concrete	310				310
PEIRCE ISLAND RD					657
asphalt		483			483
brick	175				175
PENHALLOW ST		346			1104
asphalt		221	91		311
brick	667	125			792
PLEASANT ST		1038	418	1199	4526
asphalt		140	84	523	747
brick	1871	864	284	588	3608
concrete		34	50		84
stone				88	88
PORTER ST					891
brick	823		68		891
PORTWALK PL					821
brick	821				821
PROSPECT ST					102
asphalt		102			102

Street/Material	Excellent	Good	Fair	Poor	Total
RAYNES AVE					390
concrete	173	217			390
RICHARDS AVE					1359
brick	1359				1359
ROCK ST					237
asphalt			237		237
ROCKINGHAM AVE					307
concrete	307				307
ROGERS ST					708
brick	708				708
RUSSELL ST					1263
concrete	471		792		1263
SALEM ST					590
concrete	590				590
SCOTT AVE	223				223
brick	200				200
concrete	22				22
SOUTH MILL ST					32
brick	32				32
SOUTH SCHOOL ST					105
brick	43				43
concrete		61			61
SOUTH ST	1315				2500
brick	1127	1185			2312
concrete	188				188
STATE ST	5847				5856
asphalt	72	9			81
brick	5734				5734
concrete	41				41
SUMMER ST					1170
asphalt		652	480		1132
brick	38				38
TANNER CT					171
brick	171				171
TANNER ST					194
brick	194				194
UNION ST					1519
asphalt			145		145
brick		740			740
concrete	635				635

Street/Material	Excellent	Good	Fair	Poor	Total
VAUGHAN ST					1240
brick	609				609
concrete		631			631
WALKER ST					23
concrete				23	23
WASHINGTON ST					1616
asphalt			81		81
brick	1227				1227
stone		308			308
WIBIRD ST	1158				1158
brick	113				113
concrete	1045				1045
WILLARD AVE					171
asphalt			171		171
Grand Total	59,233	22,083	12,644	2,319	96,279

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



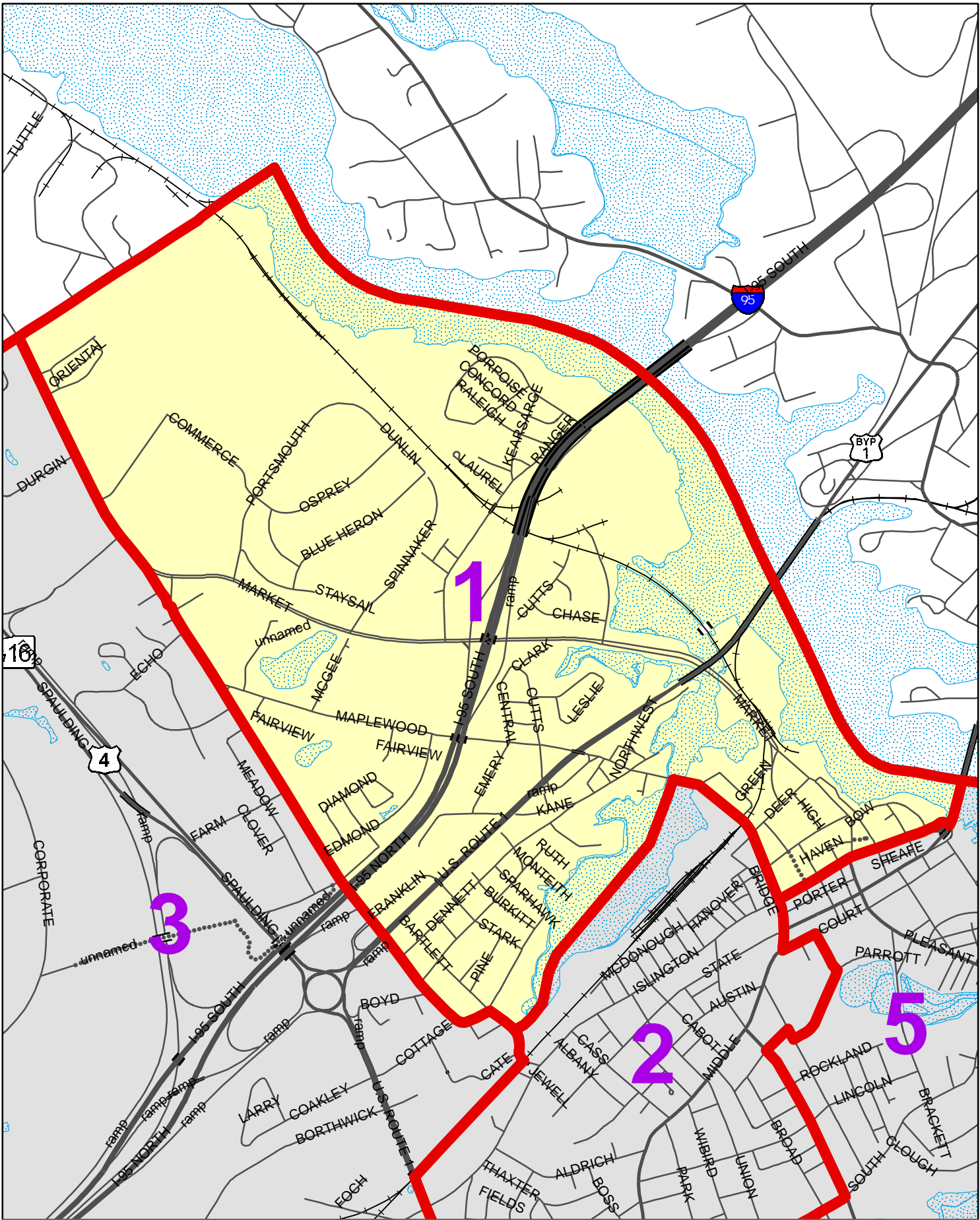
Good



Fair



Poor



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0 0.25 Miles
 1 inch = 1,500 feet

Ward 1

12/15/2015

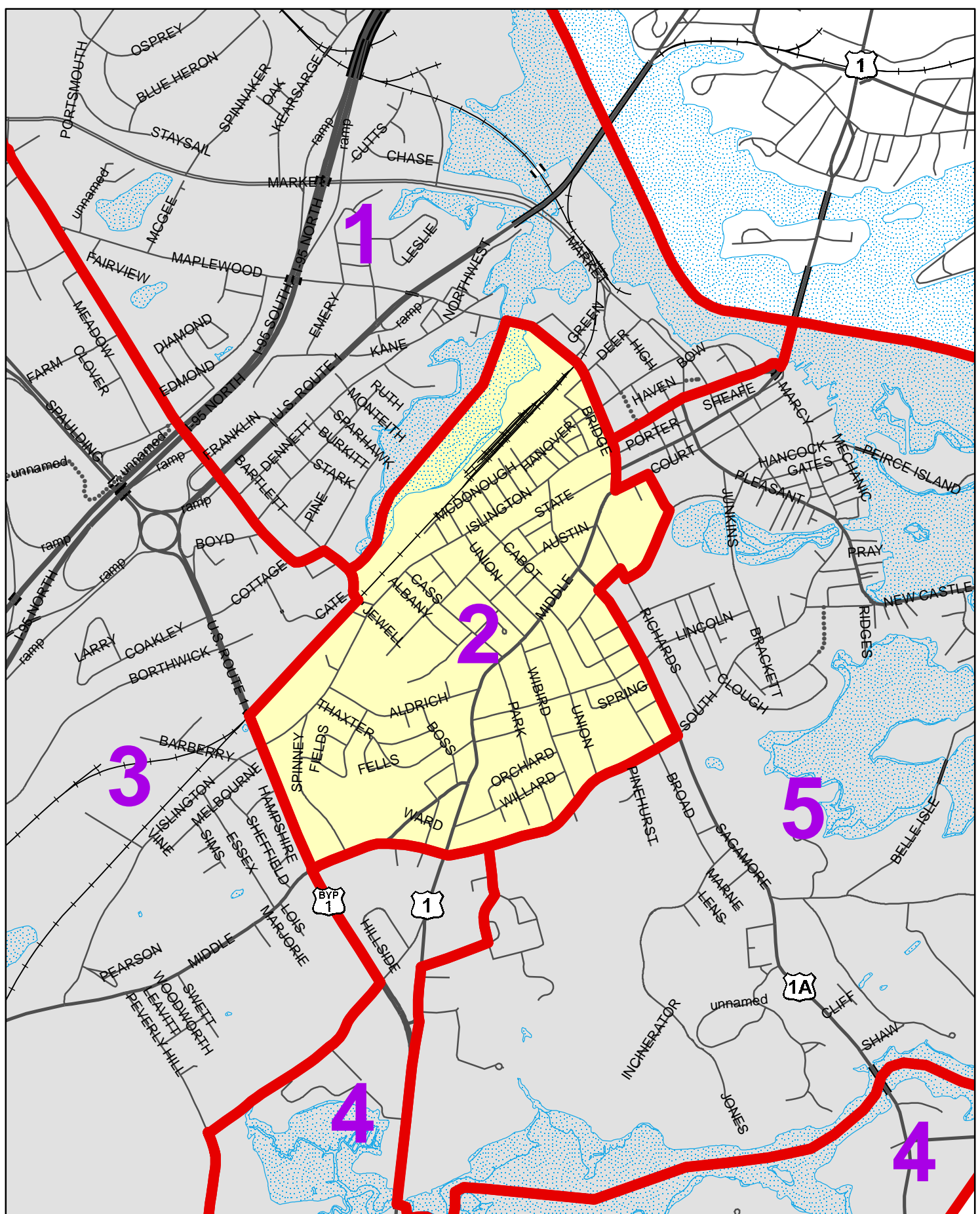
Map prepared by Portsmouth Department of Public Works

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

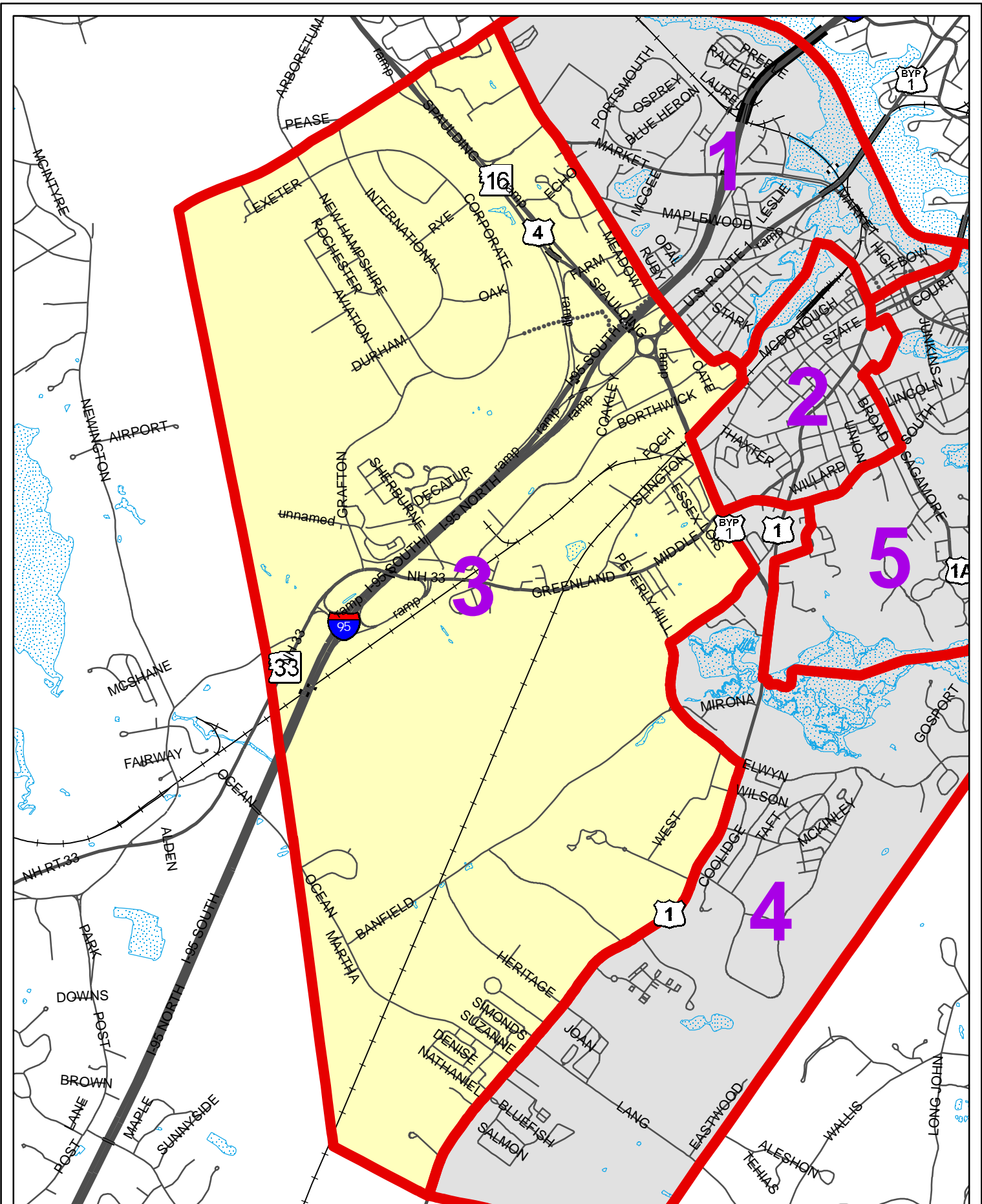
12/15/2015

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
BREWERY 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

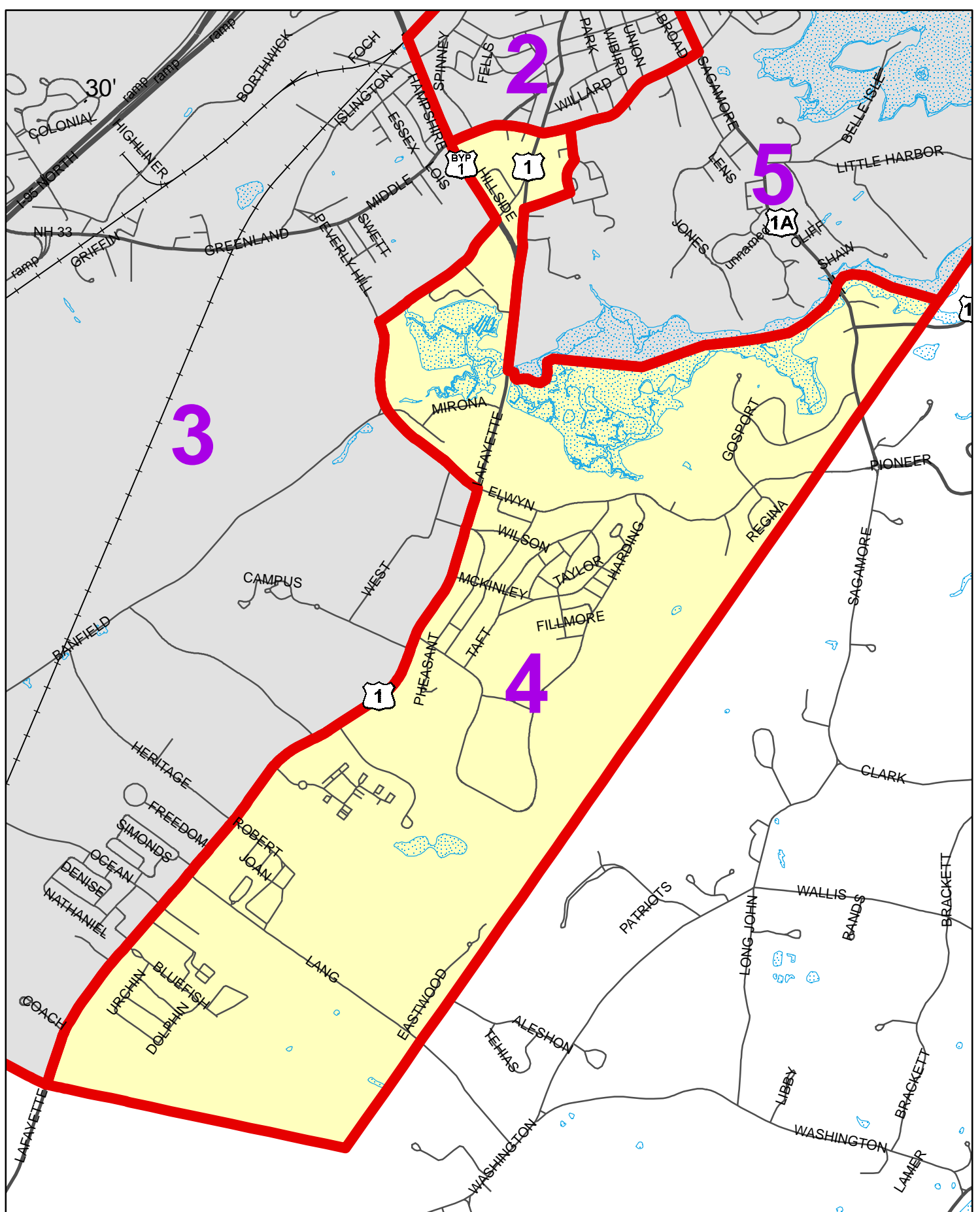
Map prepared by Portsmouth Department of Public Works

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

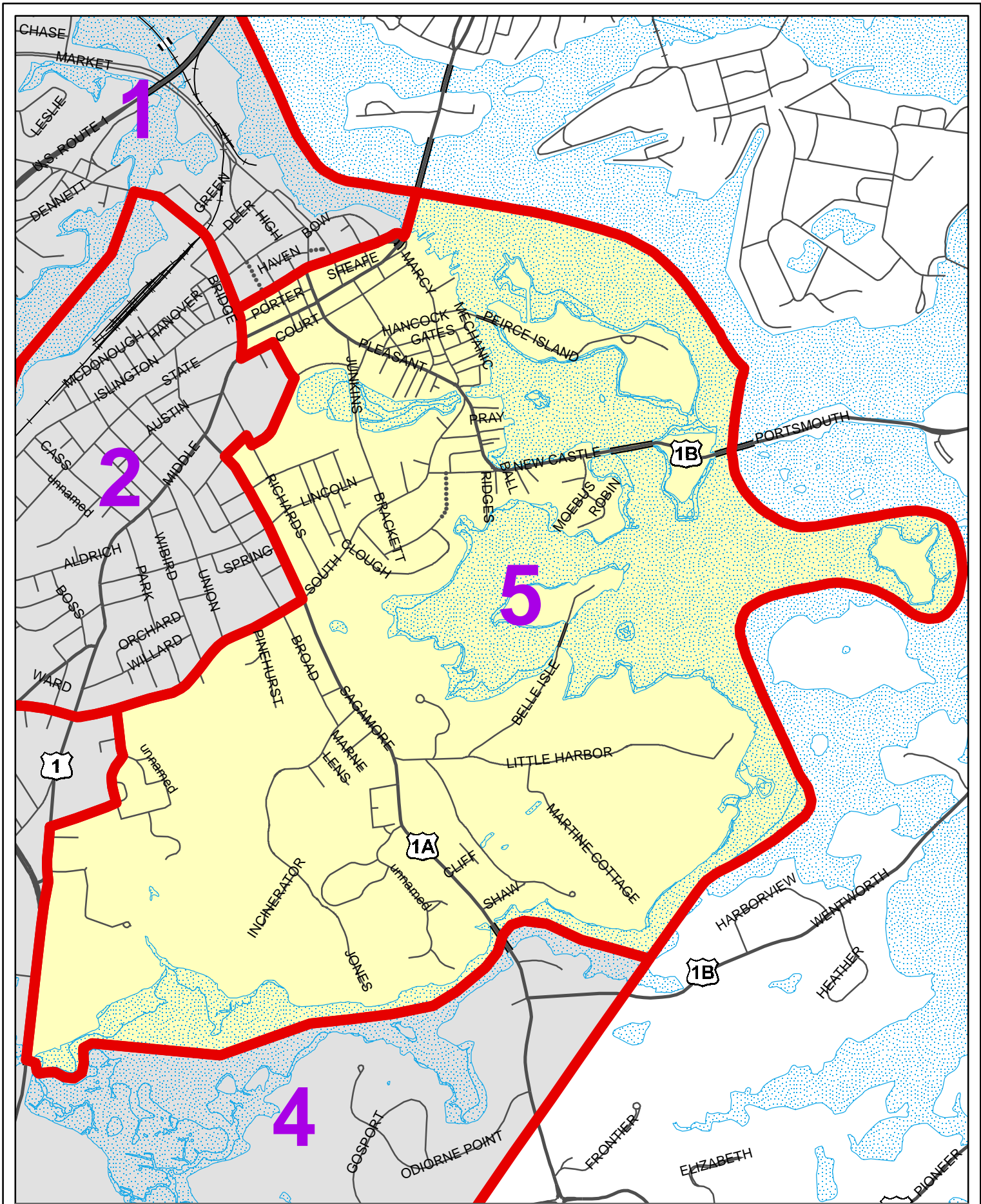
Ward 4

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