



**TOWN OF NEWINGTON  
LONG RANGE  
CAPITAL IMPROVEMENT PLAN  
2018-2019 THROUGH 2022-2023  
COUNCIL ADOPTED**



Roy Zartarian  
Mayor

# TOWN OF NEWINGTON

131 CEDAR STREET  
NEWINGTON, CONNECTICUT 06111  
**OFFICE OF THE MAYOR**

April 16, 2018

This document represents the Town Council's Adopted Long Range Capital Improvement Plan. This Plan, representing the Fiscal Years 2018-2019 through 2022-2023 long-range capital needs, starts with the 2017-2018 fiscal year and plans an additional five years forward. As presented, it provides a roadmap for the long-term capital needs of the Town. It is important to keep in mind this plan does not bind the ultimate policy decisions of future councils.

Each day, the community, its residents, businesses and visitors use the public infrastructure – our roads, buildings and parks. As such, these valuable assets play a significant role in our community's quality of life. In order to best serve the needs of the community, however, such assets must be maintained appropriately. Over the years, the Town has established a solid record of maintaining its fleet through the Equipment Reserve Fund. The ongoing maintenance and capital needs of our facilities, however, have fallen behind. It is only through the timely and appropriate investment into our facilities that we may maximize the life expectancy of our facilities while minimizing the impact of future bond issues on the taxpayer.

Over the past few years, the need to develop, plan and fund a truly integrated Capital Improvement Plan that addresses both General Government and Board of Education capital projects has become more apparent. Historically, significant capital projects for education facilities have been funded through bond referendums while other educational capital needs are financed in accordance with the Public School Capital Improvement Projects Reserve Fund (Code of Ordinances 48-14 et seq.). This historically separate process has resulted in a number of capital needs that are deferred to the point where what was once a maintenance matter becomes a costly replacement matter. The most significant challenge in developing a truly integrated Capital Improvement Plan lies with the timing in which funding is available. This factor cannot inhibit the need to progress towards the ultimate goal of a truly integrated Capital Improvement Plan.

To address the capital needs of the Town in a comprehensive fashion, the Town Council in November 2006 established a Capital Improvement Program Committee to provide a framework for the planning, scheduling and financing for the Town's multi- year capital improvement plan. Composed of Town Council (3) and Board of Education (2) members, with the assistance of Town and Board staff, this Committee's recommendations are advisory in nature, with policy decision making power left with the full Town Council. The committee addresses the following components of the Town's capital planning process:

- Evaluation of project priorities within the Town's ability to pay, public health and safety needs of its residents and legal mandates.
- Integration of Town and Board projects.
- Financing plans for capital projects.
- Coordination of the CIP program with the annual operating budget.

The Long Range CIP is comprised of two parts - capital projects and replacements of major equipment via the Equipment Replacement Reserve - defined as follows:

1. Capital Projects include major construction projects, alterations to existing facilities, new equipment and other non-recurring expenditures that have a long useful life. Items or projects qualifying for inclusion in the Capital Projects category have a life expectancy of at least seven (7) years AND cost at least \$25,000. Items that do not meet BOTH of these requirements are funded out of the operating budget. An exception to this would be if a capital project for a smaller dollar amount were grant eligible and reimbursement required that it be in the Capital Improvement Plan.
2. The Equipment Replacement Reserve provides for funding for the replacement of major capital equipment and rolling stock in the Public Safety, Public Works, General Government and Parks & Recreation Departments. Funding is contributed annually to accumulate sufficient resources to pay for current and future replacement of major equipment based upon the "Equipment Replacement Schedule." Major equipment replacements to be financed out of the Equipment Reserve must have a life expectancy of at least seven (7) years. Proposed replacements that do not meet this requirement are funded out of the operating budget. The replacement of Police cruisers which have a useful life of only a few years are incorporated into this replacement schedule but are appropriated in the Police operating budget.

In order to be eligible for the Local Capital Improvement Program (LoCIP) grant funds, the State requires that a Capital Improvement Plan be adopted by the Town Council. These grant funds are used for the Town's road improvement program. Annually, following discussion and review by the Town Council, a formal resolution by the Town Council to adopt the plan is required.

This document contains schedules to present the projects as requested by departments and the use of State funds such as LoCIP and Town Road Aid to offset the cost to the General Fund. The capital plan is summarized in several methods to illustrate the overall picture for the next five years. Other schedules included present the payment of lease-purchase financing commitments, balances of existing capital projects, projected use of the Public School Capital Improvement Projects Reserve Fund including the Board of Education's approved Capital Improvement Plan, the Town's five year road program, and an updated status of the Town's entire fleet.

This Plan is intended to serve as a guide to the Town in addressing policy decisions for the upcoming years and the overall planning of Newington's growth. The time spent by the Town Council in reviewing this Plan, and subsequently adopting the Capital Improvement Plan, gives weight and credence to the importance of this document. As evidenced by the recently identified needs of our General Government and Board of Education facilities, this tool – in conjunction with the annual operating budget - provides a basis for fiscal stability while meeting the many current and future needs of the Town of Newington.

Respectfully submitted,



Roy Zartarian  
Mayor

TABLE 1

**CAPITAL IMPROVEMENT PLAN SUMMARY**  
**FOR THE FISCAL YEARS 2018-2019 THROUGH 2022-2023**  
**BY SOURCES OF FUNDING**

<b>Sources of Funding</b>	<b>COUNCIL ADOPTED</b>	<b>COUNCIL ADOPTED</b>	<b>PROPOSED CAPITAL IMPROVEMENT PLAN</b>					<b>TOTAL</b>
	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>2022-2023</b>		
Town Funds	4,606,043	4,068,828	5,116,461	4,199,785	3,142,660	2,522,510	23,656,287	
State Aid								
LoCIP		200,000	200,000	200,000	200,000	200,000	1,000,000	
Town Aid Road	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000	
School Building Grants	378,000		378,000			300,000	1,056,000	
Other Grants								
Other Revenue	40,000	40,000	40,000	40,000	40,000	40,000	240,000	
Other CIP Funds	218,935						218,935	
<b>TOTALS</b>	<b>5,642,978</b>	<b>4,708,828</b>	<b>6,134,461</b>	<b>4,839,785</b>	<b>3,782,660</b>	<b>3,462,510</b>	<b>28,571,222</b>	

**CAPITAL IMPROVEMENT PLAN SUMMARY**  
**FOR THE FISCAL YEARS 2018-2019 THROUGH 2022-2023**  
**BY PAY-AS-YOU-GO PROJECTS AND DEBT SERVICE PAYMENTS**

<b>Project Category</b>	<b>COUNCIL ADOPTED</b>	<b>COUNCIL ADOPTED</b>	<b>PROPOSED CAPITAL IMPROVEMENT PLAN</b>					<b>TOTAL</b>
	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>2022-2023</b>		
Pay-As-You-Go								
General Government	1,369,246	1,744,600	2,258,100	1,232,450	759,150	606,600	7,970,146	
Public Safety	382,000	179,000	86,000	140,000	85,000	110,000	982,000	
Public Works	869,303	555,000	355,000	380,000	300,000	250,000	2,709,303	
Community Development		40,000					40,000	
Parks And Recreation	155,000	289,000	800,000	300,000	200,000	200,000	1,944,000	
Education	1,523,094	513,828	829,961	1,190,961	867,961	487,961	5,413,766	
Equipment Replacement	725,400	787,400	787,400	956,374	930,549	867,949	5,055,072	
Annual Debt Service Payments	1,150,581	786,081	2,057,731	3,153,619	4,395,744	5,204,256	16,748,012	
<b>TOTALS</b>	<b>6,174,624</b>	<b>4,894,909</b>	<b>7,174,192</b>	<b>7,353,404</b>	<b>7,538,404</b>	<b>7,726,766</b>	<b>40,862,299</b>	

## **DEBT MANAGEMENT**

In order to address the Town's current building project needs, we sought the advice of our financial consultants at Phoenix Advisors to update the Debt Capacity Study of 2002. This updated approach will help us better understand our financial capacity looking forward.

As a result, the following considerations should be utilized with regard to the Town's issuance of general obligation bonds and the potential credit impact additional borrowing will have on the Town's strong AA+ Standard & Poor's credit rating.

- To the extent that other important rating criteria (reserve levels, economic activity, and demographic characteristics) do not deteriorate, the impact of the proposed projects on the ability of the Town to maintain the AA+ credit rating should be manageable.
- Current debt ratios for the Town are among the lowest in the State (debt per capita, debt to budget, debt to full value etc.). Therefore, the town has capacity to add debt over time while maintaining the current rating. For example, S&P awards its highest marks for Debt Service to Budget at any level below 8%. As such, the Town could borrow up to \$82 million over four years and maintain a ratio of 5.8%.
- The Town has been budgeting \$6.3 million annually for debt service and Pay-As-You-Go (PAYG) financing. This base allows the Town to add \$53 million of borrowing for potential building projects over the next few years without significantly increasing the line item in the budget. This will also allow for a stable annual PAYG program.

The chart below depicts the blending of current CIP Policy of \$6.3 million and a future policy of Debt to Budget of 5.8% (using an assumed rate of a 2.5% appropriation increase).

**TABLE 2**  
**NEWINGTON'S LONG-TERM DEBT SCHEDULE**  
**ANNUAL DEBT SERVICE PAYMENTS ON EXISTING SERIAL BONDS**

Fiscal Year Ending June 30,	Refunding of Education Facilities I & II	Refunding of Police Station I & II	Total Principal and Interest Payments
	Issued 2/2013	Issued 2/2013	
2019	309,421	476,660	786,081
2020	299,342	460,889	760,231
2021	287,880	443,552	731,432
2022	278,536	429,395	707,931
2023	267,269	412,362	679,631
2024	256,113	395,518	651,631
2025		188,931	188,931
2026			
<b>TOTALS</b>	<b>\$ 1,698,561</b>	<b>\$ 2,807,307</b>	<b>\$ 4,505,868</b>
Total Principal Payments		\$ 4,195,000	
Total Interest Payments		\$ 310,868	
Total Principal and Interest Payments		<b>\$ 4,505,868</b>	

**CURRENT BONDED DEBT**  
**As of June 30, 2018**

Education	\$ 1,586,000
Public Safety	\$ 2,609,000
<b>Total</b>	<b>\$ 4,195,000</b>

TABLE 3

**PROPOSED LONG-TERM DEBT SCHEDULE**  
 ANNUAL DEBT SERVICE PAYMENTS ON EXISTING & PROPOSED SERIAL BONDS

Fiscal Year Ending June 30,	Combined Debt Service & PAYG TARGET	Existing Long-Term Debt Service	Town Hall/Community Center			Undesignated Building Projects		Total Debt Service	Funding for Pay As You Go Projects	Total Outstanding Debt
			\$10,000,000 Issued 9/2018	\$15,000,000 Issued 9/2019	\$3,000,000 Issued 9/2020	\$12,000,000 Issued 9/2020	\$13,000,000 Issued 12/2021			
2018	6,300,000	1,150,581						1,150,581	5,149,419	4,195,000
2019	6,300,000	786,081						786,081	5,513,919	13,500,000
2020	7,174,726	760,231	1,016,250	281,250				2,057,731	5,116,995	27,310,000
2021	7,354,094	731,431	823,750	1,298,438	60,000	240,000		3,153,619	4,200,476	40,385,000
2022	7,537,947	707,931	806,250	1,270,313	267,000	1,068,000	276,250	4,395,744	3,142,203	50,720,000
2023	7,726,395	679,631	788,750	1,242,188	261,000	1,044,000	1,188,688	5,204,256	2,522,139	47,420,000
2024	7,919,555	651,631	771,250	1,214,063	255,000	1,020,000	1,161,063	5,073,006	2,846,549	44,135,000
2025	8,117,544	188,931	753,750	1,185,938	249,000	996,000	1,133,438	4,507,056	3,610,488	41,300,000
2026	8,320,483		736,250	1,157,813	243,000	972,000	1,105,813	4,214,875	4,105,608	38,650,000
2027	8,528,495		718,750	1,129,688	237,000	948,000	1,078,188	4,111,625	4,416,870	36,000,000
2028	8,741,707		701,250	1,101,563	231,000	924,000	1,050,563	4,008,375	4,733,332	33,350,000
2029	8,960,250		683,750	1,073,438	225,000	900,000	1,022,938	3,905,125	5,055,125	30,700,000
2030	9,184,256		666,250	1,045,313	219,000	876,000	995,313	3,801,875	5,382,381	28,050,000
2031	9,413,862		648,750	1,017,188	213,000	852,000	967,688	3,698,625	5,715,237	25,400,000
2032	9,649,209		631,250	989,063	207,000	828,000	940,063	3,595,375	6,053,834	22,750,000
2033	9,890,439		613,750	960,938	201,000	804,000	912,438	3,492,125	6,398,314	20,100,000
2034	10,137,700		596,250	932,813	195,000	780,000	884,813	3,388,875	6,748,825	17,450,000
2035	10,391,143		578,750	904,688	189,000	756,000	857,188	3,285,625	7,105,518	14,800,000
2036	10,650,921		561,250	876,563	183,000	732,000	829,563	3,182,375	7,468,546	12,150,000
2037	10,917,194		543,750	848,438	177,000	708,000	801,938	3,079,125	7,838,069	9,500,000
2038	11,190,124		526,250	820,313	171,000	684,000	774,313	2,975,875	8,214,249	6,850,000
2039	11,469,877		508,750	792,188	165,000	660,000	746,688	2,872,625	8,597,252	4,200,000
2040	11,756,624			764,063	159,000	636,000	719,063	2,278,125	9,478,499	2,050,000
2041	12,050,540				153,000	612,000	691,438	1,456,438	10,594,102	650,000
2042	12,351,803						663,813	663,813	11,687,991	-
<b>TOTALS</b>			<b>5,656,450</b>	<b>13,675,000</b>	<b>20,906,250</b>	<b>4,260,000</b>	<b>17,040,000</b>	<b>18,801,250</b>	<b>80,338,950</b>	

Total Principal Payments **58,220,000**  
 Total Interest Payments **\$ 22,118,950**  
 Total Principal and Interest Payments **\$ 80,338,950**

**Possible Bonding Projects (in alphabetical order):**

Anna Reynolds Renovate as New  
 Fire Houses 3 & 4  
 John Wallace Wing Renovation  
 Library Improvements  
 Park Improvements

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**PROJECT DESCRIPTIONS**  
**FOR THE FISCAL YEARS 2018-2019 THROUGH 2022-2023**

**GENERAL GOVERNMENT**

Multiple year projects are continued in FY 2018-2019 for Information Technology Reserve which allows for enhancements of and supplements to the General Government's computer system by rebuilding the network infrastructure as identified in the long range Strategic Technology Plan; General Property Improvements for major repairs and upgrades to aging Town Buildings, Town Buildings Mechanical Reserve for systematic replacement of aging and failed HVAC, electrical, plumbing and support equipment at the various Town buildings and Town Buildings Sidewalk Replacement & Repairs for the replacement or repair of sidewalks, handicap ramps and masonry at various Town owned facilities.

Projects for FY 2018-19 are:

- Highway Garage ADA Compliance Front Entryway for upgrading the front entranceway at the Highway Garage to ADA compliance. This includes a new high efficiency door, as well as new windows and sky lights.
- Highway Garage Fire and Security Alarm Upgrade includes funding for replacing the obsolete fire and security alarm system. The old system isn't communicating with Police dispatch.
- Town Hall Improvements includes additional funding for any unexpected costs relating to the new Town Hall/Community Center project.

Multiple year funding begins in FY 2018-2019 for:

- Townwide Fiber Optic Deployment is to modernize the town network infrastructure by deploying fiber optic town-wide to include redundant core backbone and connectivity to all Town and Board of Education facilities. This project will provide enhanced network operations for backup, disaster recovery and options for municipal broadband services.
- Town Hall/Community Center Technology Costs for acquisitions, consulting, labor, hardware and software to support new Town Hall/Community Center project.
- Highway Garage Building Upgrades & Repairs to refurbish this metal frame structure, upgrade the bathroom/locker room and bring office area and breakroom up to ADA compliance.

FY 2019-2020 includes funding for Senior & Disabled Center Building Energy Management System to cost-effectively convert the existing stand-alone electric temperature control system to a new Direct Digital control system, leading to more productivity and energy conservation.

Multiple year funding begins in FY 2019-2020 for:

- Highway Garage Building Addition to build a 2,400 square foot addition to the existing garage to provide adequate space for servicing the Town's larger vehicles. Funding continues in FY 2020-2021 to complete this project.

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	Financing**	COUNCIL		COUNCIL		PROPOSED CAPITAL IMPROVEMENT PLAN					Total
		ADOPTED 2017-2018	ADOPTED 2018-2019	ADOPTED 2019-2020	2020-2021	2021-2022	2022-2023				
<b>General Government</b>											
Information Technology Reserve	P	335,000	435,600	562,100	582,450	344,150	486,600	2,745,900			
Townwide Fiber Optic Deployment	P	250,000	250,000	250,000	250,000	275,000					1,275,000
Town Hall/Community Center Technology Costs	P		450,000	800,000							1,250,000
General Property Improvements	P	165,000	85,000	90,000	85,000	80,000	80,000	585,000			
Town Buildings Mechanical Reserve	P	50,000	50,000	40,000	40,000	35,000	40,000	255,000			
Town Buildings Sidewalk Replacement & Repairs	P	25,000	25,000	25,000		25,000		100,000			
Highway Garage ADA Compliance Front Entryway	P		80,000					80,000			
Highway Garage Fire and Security Alarm Upgrade	P		29,000					29,000			
Highway Garage Building Upgrades & Repairs	P		40,000	120,000				160,000			
Town Hall Improvements	P		300,000					300,000			
Senior & Disabled Center Bldg Energy Management System	P			100,000				100,000			
Highway Garage Building Addition	P			271,000	275,000			546,000			
Senior & Disabled Center HVAC Replacement	P	71,750						71,750			
Town Roof Replacement (includes Kellogg Eddy Roof)	P	575,000						575,000			
<b>Total General Government</b>		<b>1,471,750</b>	<b>1,744,600</b>	<b>2,258,100</b>	<b>1,232,450</b>	<b>759,150</b>	<b>606,600</b>	<b>8,072,650</b>			

\*\* Sources of Financing is designated as follows: P for Pay-as-you-go; B for Bonding; G for Grant

## PUBLIC SAFETY

Radio Replacement Reserve in FY 2018-19 continues multiple year funding to allow for a systematic, centralized approach to replace aging radio communication equipment. This project utilizes funds received from the land lease for the cell tower at Newington High School.

Multiple year funding continues in FY 2018-2019 for Fire Dept. Personal Protective Equipment Replacement which will replace 10 year old structural firefighting personal protective equipment (PPE) that per National Fire Protection Association (NFPA) standards has met the end of its practical life and must be removed from service.

The following projects are proposed in FY 2018-2019:

- Fire Dept HQ & Co 1 Energy Efficient A/C Replacement for the replacement of existing 20 year old wall mounted air conditioners and central system.
- Fire Co. 1 Energy Efficient Radiant Heat System to replace existing 30 year old system with radiant heating system.

FY 2019-2020 includes funding for Fire Dept Thermal Imager Cameras Replacement to replace 8 year old cameras.

Projects for FY 2020-2021 are:

- Fire Co. 4 Fire House Replacement Study to do a feasibility study on expanding/replacing this facility.
- Fire Co 5 Interior and Exterior Painting for painting of firehouse exterior, apparatus bays and interior.

Funding is proposed in FY 2021-2022 for Fire Co 4 & 5 Heating System Replacement to replace 30 heating system with new systems that can provide substantial heat to sustain these facilities during extended emergencies.

Funding is proposed in FY 2022-2023 for Fire Co. 3 Fire House Replacement Study to do a feasibility study on expanding/replacing this facility.

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	Financing**	COUNCIL	COUNCIL	PROPOSED CAPITAL IMPROVEMENT PLAN					Total
		ADOPTED 2017-2018	ADOPTED 2018-2019	2019-2020	2020-2021	2021-2022	2022-2023		
<b>Public Safety</b>									
Radio Replacement Reserve	P	40,000	40,000	40,000	40,000	40,000	40,000	240,000	
Public Safety Radio System Enhancement	P	240,000						240,000	
Fire Dept Personal Protective Equipment Replacement	P	72,000	68,000	60,000	60,000	60,000	60,000	360,000	
Fire Dept HQ & Co 1 Energy Efficient A/C Replacement	P		45,000					45,000	
Fire Dept Thermal Imager Cameras Replacement	P			26,000				26,000	
Fire Co 1 Energy Efficient Radiant Heat System	P		26,000					26,000	
Fire Co 4 Fire House Replacement Study	P				50,000			50,000	
Fire Co 5 Interior and Exterior Painting	P				30,000			30,000	
Fire Co 4 & 5 Heating System Replacement	P					25,000		25,000	
Fire Co 3 Fire House Replacement Study	P						50,000	50,000	
Fire Dept 5" Fire Hose Replacement	P	30,000						30,000	
<b>Total Public Safety</b>		<b>382,000</b>	<b>179,000</b>	<b>126,000</b>	<b>180,000</b>	<b>125,000</b>	<b>150,000</b>	<b>1,142,000</b>	

\*\* Sources of Financing is designated as follows: P for Pay-as-you-go; B for Bonding; G for Grant

## PUBLIC WORKS - ENGINEERING

The Town normally receives from the State, through the LOCIP and Town Aid for Roads Grants, approximately \$600,000 annually for improvements to the road infrastructure of the community in order to ensure the safety of the students, commuters and residents that travel our roadways on a daily basis. In FY 2018-2019 an additional \$300,000 from the General Fund has been proposed to make a total of \$900,000 available to repair over 18,000 linear feet of roads. Details of the annual road reconstruction and resurfacing program for the five-year period appear in Appendix C.

Road Reconstruction Program includes the continuation of the multi-year program to completely reconstruct targeted roads. Grant funding through the Local Capital Improvement Program (LoCIP) is used for the road reconstruction program, while the Town Aid for Roads Grant funds the Pavement Crack Seal portion of this program (improves roadways that crack during inclement conditions).

Road Resurfacing Program provides funding to continue the annual pavement resurfacing program to: 1) repair and preserve roads which have been built to proper specifications, and 2) hold inadequate streets together in acceptable form until they can be addressed by the reconstruction program. This effort is considered major maintenance rather than capital investment but, because of the magnitude of the funding and the appropriateness of programming for it in the long-range plan, it is included in this overall CIP. The Town uses Town Aid for Roads and LoCIP State Grant funds to offset the costs of this program.

In FY 2018-2019, multiple year funding begins for MS4 Compliance/Stormwater Management Plan for this unfunded mandate from DEEP to sample and test stormwater discharge for compliance, reduce stormwater discharge and eliminate illicit discharges.

Multiple year funding continues in FY 2019-2020 for:

- Sidewalk Repair Program for repair of aging sidewalks for which the Town is responsible.
- Stonewall Repair Program addresses the increasing demand for the repair and/or reconstruction of existing stonewalls for which the Town is responsible.
- Drainage Improvements to repair, replace, reconstruct the existing drainage infrastructure throughout the Town. This funding is needed to replace the Town's aging stormwater drainage infrastructure. Portions of the drainage system have been identified with reoccurring problematic events associated with flooding, erosion and deterioration of the roadway infrastructure.
- Public Building Resurfacing Program to resurface driveways and parking lots at Town facilities.

## PUBLIC WORKS – HIGHWAY

Multiple year funding continues in FY 2018-2019 for Traffic Signal Repair & Replacement Reserve to provide funding for replacement and repairs to traffic signals and traffic preemption on an ongoing basis.

## PUBLIC WORKS – SANITATION

FY 2018-2019 is the last year for Landfill Conversion to Transfer Station to continue to convert current bulky waste landfill on Main Street into a transfer station under a new general permit required by the Department of Energy and Environmental Protection (DEEP). This \$1,505,000 project is also subsidized with \$460,000 of grant funds.

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	Financing*	COUNCIL	COUNCIL	PROPOSED CAPITAL IMPROVEMENT PLAN					Total	
		ADOPTED 2017-2018	ADOPTED 2018-2019	2019-2020	2020-2021	2021-2022	2022-2023			
<b>Public Works - Engineering</b>										
Road Resurfacing/Reconstruction	P	900,000	900,000	800,000	825,000	800,000	800,000	5,025,000		
Sidewalk Repair	P	75,000		25,000	25,000		25,000	150,000		
MS4 Compliance/Stormwater Management Plan	P		30,000	30,000	30,000	25,000	25,000	140,000		
Stonewall Repair	P			25,000	25,000	25,000		75,000		
Drainage Improvement	P			25,000	25,000	25,000		75,000		
Public Building Resurfacing Program	P			25,000	25,000	25,000		75,000		
<b>Public Works - Highway</b>										
Traffic Signal Repair & Replacement Reserve	P		25,000	25,000	25,000			75,000		
<b>Public Works - Sanitation</b>										
Landfill Conversion to Transfer Station	P	400,000	200,000					600,000		
<b>Total Public Works</b>		<b>1,375,000</b>	<b>1,155,000</b>	<b>955,000</b>	<b>980,000</b>	<b>900,000</b>	<b>850,000</b>	<b>6,215,000</b>		

\*\* Sources of Financing is designated as follows: P for Pay-as-you-go; B for Bonding; G for Grant

## COMMUNITY DEVELOPMENT

Funding is proposed in FY 2018-2019 for 2030 Plan of Conservation and Development (POCD) to prepare this decennial plan. The current POCD expires June 30, 2020 and preparation of a new plan typically takes about 18 – 24 months since it's a major undertaking and requires the assistance of a planning consultant.

## PARKS AND RECREATION

Funding is proposed in FY 2018-2019 for:

- Synthetic Turf Replacement Reserve to accumulate funds in order to replace the existing turf and fill material, which has a useful life of 10 years.
- Park, Pool and Playfield Improvements which is the major funding source for repairs, replacement and additions to all Town parks and athletic facilities. All playground equipment, backstops, basketball hoops, fencing and signage are dependent upon this appropriation to remain in proper condition. Pool improvements are also addressed with this account as more costly improvements are foreseen due to the age of the pools at both Mill Pond and Churchill Park. Funding is included to continue to address the Park Master Plan improvements.
- Town Parks ADA Compliant Paths to continue the process of installing Federal mandated ADA accessible pathways in Town parks.
- Mill Pond Soccer Field Irrigation to provide an automated irrigation system for the two soccer fields.
- Clem Lemire Skate Park Renovation to renovate the existing skate park with new, safe bike and skate features, fix the cracking asphalt and make the skate park safer.

Beginning in FY 2019-2020, funding for some projects has been transferred to a proposed new Parks and Recreation CIP Fund.

Funding is included in FY 2019-2020 for:

- Community Center Furniture and Equipment to provide for the furniture, equipment and storage structures that will be needed for the proposed renovated Community Center.

Multiple year funding begins in FY 2020-2021 for NHS Athletic Fields Irrigation System Replacement to phase in new irrigation systems for the high school soccer, baseball, field hockey and football fields.

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	Financing**	COUNCIL ADOPTED	COUNCIL ADOPTED	PROPOSED CAPITAL IMPROVEMENT PLAN					Total
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023		
<b>Community Development</b>									
2030 Plan of Conservation & Development (POCD)	P		40,000						40,000
<b>Total Community Development</b>		-	40,000	-	-	-	-		40,000
<b>Parks And Recreation</b>									
Synthetic Turf Replacement Reserve	P	25,000	25,000						50,000
Park, Pool & Playfield Improvements	P	75,000	75,000						150,000
Town Parks ADA Compliant Paths	P		25,000						25,000
Mill Pond Soccer Field Irrigation	P		75,000						75,000
Clem Lemire Skate Park Renovation	P		89,000						89,000
Community Center Furniture and Equipment	P			800,000					800,000
NHS Athletic Fields Irrigation System Replacement	P				300,000	200,000	200,000		700,000
Churchill Park Handicap Accessible 2-5 yr old Playscape	P	55,000							55,000
<b>Total Parks &amp; Recreation</b>		155,000	289,000	800,000	300,000	200,000	200,000		1,944,000

\*\* Sources of Financing is designated as follows: P for Pay-as-you-go; B for Bonding; G for Grant

## **EDUCATION DEPARTMENT**

In accordance with Newington Code of Ordinances 48-14 et seq., an annual appropriation of at least \$125,000 is transferred to the Public School Capital Improvement Project Reserve Fund. Appendix B illustrates a five-year income and expense analysis of the proposed projects.

FY 2018-2019 continues multiple year funding for School Bus Replacement Program for the annual cost of bus replacement and School Technology for the 1:1 device program.

Multiple year funding continues in FY 2019-2020 for Districtwide HVAC Replacements, School Driveways, Parking Lots & Sidewalks, and School Roof Repair Reserve.

## **EQUIPMENT REPLACEMENT**

The Major Equipment Replacement Reserve is intended to set aside a reserve for future replacements of existing major capital equipment and rolling stock of the General Government, Police, Fire, Highway and Parks and Grounds Departments. Funding is contributed annually to accumulate sufficient resources to pay for current and future replacement of major equipment based upon the "Equipment Replacement Schedule," which is detailed in Appendix D. Major equipment replacements to be financed out of the Equipment Reserve must have a life expectancy of at least seven (7) years. Proposed replacements that do not meet this requirement are funded out of the operating budget. The replacement of Police cruisers which have a useful life of only a few years are incorporated into this replacement schedule but are appropriated in the Police operating budget.

The Lease Purchase Payments appropriation has been separated from the Equipment Replacement Reserve funds to illustrate the short-term financing payments due during the upcoming fiscal years for those vehicles the Town lease-purchased.

**TABLE 4**  
**COMPREHENSIVE CAPITAL IMPROVEMENT PLAN**  
**FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	Financing**	COUNCIL	COUNCIL	PROPOSED CAPITAL IMPROVEMENT PLAN					Total	
		ADOPTED 2017-2018	ADOPTED 2018-2019	2019-2020	2020-2021	2021-2022	2022-2023			
<b>Education</b>										
Appr. To Public School CIP Reserve	P	125,000	125,000	125,000	125,000	125,000	125,000	750,000		
School Bus Replacement Program	P	220,000	200,000	344,133	344,133	344,133	344,133	1,796,532		
School Technology Reserve	P	188,828	188,828	188,828	188,828	173,828	173,828	1,102,968		
Districtwide HVAC Replacements	P	150,000		150,000	150,000	75,000	75,000	600,000		
School Driveways, Parking Lots & Sidewalks	P	75,000		250,000	233,000			558,000		
School Roof Repair Reserve	P	150,000		150,000	150,000	150,000	70,000	670,000		
J. Wallace Classroom Wings Reconfiguration	P	625,000						625,000		
<b>Total Education</b>		<b>1,533,828</b>	<b>513,828</b>	<b>1,207,961</b>	<b>1,190,961</b>	<b>867,961</b>	<b>787,961</b>	<b>6,102,500</b>		
<b>Total Capital Improvements</b>		<b>4,917,578</b>	<b>3,921,428</b>	<b>5,347,061</b>	<b>3,883,411</b>	<b>2,852,111</b>	<b>2,594,561</b>	<b>23,516,150</b>		
<b>Equipment Replacement</b>										
Equipment Replacement Reserve	P	458,000	520,000	520,000	530,000	530,000	550,000	3,108,000		
Lease Purchase	P	267,400	267,400	267,400	426,374	400,549	317,949	1,947,072		
<b>Total Equipment Replacement</b>		<b>725,400</b>	<b>787,400</b>	<b>787,400</b>	<b>956,374</b>	<b>930,549</b>	<b>867,949</b>	<b>5,055,072</b>		
<b>Grand Total</b>		<b>5,642,978</b>	<b>4,708,828</b>	<b>6,134,461</b>	<b>4,839,785</b>	<b>3,782,660</b>	<b>3,462,510</b>	<b>28,571,222</b>		

\*\* Sources of Financing is designated as follows: P for Pay-as-you-go; B for Bonding; G for Grant

**TABLE 5**  
**ADOPTED CAPITAL IMPROVEMENT PLAN 2017-18**

	Project Title	Department Request	Town Manager Proposed	CIP Committee Proposed	Town Council Tentative	Town Council Adopted	STATE AID		Capital Project Balances*	General Fund Budget
							LoCIP	Town Aid Roads		
General Government	General Property Improvements	175,000	165,000	165,000	165,000	165,000				165,000
	Town Buildings Mechanical Reserve	100,000	50,000	50,000	50,000	50,000				50,000
	Town Buildings Sidewalk Replacement & Repairs	25,000	25,000	25,000	25,000	25,000				
	Town Roof Replacement (includes Kellogg Eddy Roof)	900,000	900,000	575,000	575,000	575,000			25,000	575,000
	Senior & Disabled Ctr HVAC Replacement	71,750	71,750	71,750	71,750	71,750			71,750	-
	Historic Property Upgrades - Kellogg Eddy House Roof	53,000	53,000							-
	Senior & Disabled Center Boiler Replacements	55,000	55,000							-
	Senior & Disabled Center Bldg Energy Management System	100,000								-
	Information Technology Reserve	414,700	335,000	335,000	335,000	335,000			5,754	329,246
	Townwide Fiber Optic Deployment	750,000	250,000	250,000	250,000	250,000				250,000
	Technology Costs Associated with Town Hall Renovation	750,000	500,000							
Public Safety	Highway Garage Bldg Upgrades & Repairs	115,000								-
	Highway Garage Building Addition	267,500								-
	Radio Replacement Reserve	40,000	40,000	40,000	40,000	40,000				40,000
	Public Safety Communications Tower Replacement	240,000	240,000	240,000	240,000	240,000				240,000
	Fire Dept Personal Protective Equipment Replacement	72,000	72,000	72,000	72,000	72,000				72,000
	Fire Dept 5" Fire Hose Replacement	30,000	30,000	30,000	30,000	30,000				30,000
	Fire Co #1 Energy Efficient Radiant Heat System	40,000								-
	Fire Co #2, #3, #4 & #5 Energy Efficient Lighting	45,000								-
	Fire Dept HQ Energy Efficient A/C Replacement	35,000								-
	Fire Co #4 Firehouse Replacement	150,000								-
	Fire Co #3 Firehouse Replacement	150,000								-
	Fire Co #3 Interior Interior and Exterior Painting	25,000								-
	Fire Co #3 Resurface Bay Floor	35,000								-
Public Works	Fire Co #1 Bathroom Remodel	50,000								-
	Road Resurfacing/Reconstruction	1,000,000	900,000	900,000	900,000	900,000		400,000	30,697	469,303
	Sidewalk Repair	75,000	75,000	75,000	75,000	75,000			75,000	-
	Stonewall Repair	25,000								-
	Public Building Resurfacing Program	25,000	25,000							-
	Drainage Improvements	25,000	25,000							-
	Landfill Conversion to Transfer Station	800,000	800,000	400,000	400,000	400,000				400,000
Community Development	Transfer to Land Acquisition Fund									-
Parks And Recreation	Park, Pool and Playfield Improvements	150,000	75,000	75,000	75,000	75,000				75,000
	Synthetic Turf Replacement Reserve	25,000	25,000	25,000	25,000	25,000				25,000
	Churchill Park Handicap Accessible 2-5 yr old Playscape	55,000	55,000	55,000	55,000	55,000				55,000
	Snow Removal/Roadside Mowing Equipment	220,000	175,000	175,000						-
	Town Parks ADA Compliant Paths	75,000								-
	Beechwood Park Rubber Sfty Surface/ADA Compliant Paths	150,000								-
Education	Apr. To Public School CIP Reserve	125,000	125,000	125,000	125,000	125,000				125,000
	J. Wallace Classroom Wings Reconfiguration Phase II of III	1,000,000	1,000,000	1,000,000	1,000,000	625,000				625,000
	School Bus Program	644,133	644,133	584,376	220,000	220,000			10,734	209,266
	School Technology Reserve	188,828	188,828	188,828	188,828	188,828				188,828
	School Districtwide HVAC Replacement	150,000	150,000							150,000
	School Driveways, Parking Lots & Sidewalks	75,000	75,000							75,000
	School Roof Repair Reserve	150,000	150,000							150,000
Equipment Replacement	Equipment Replacement Reserve	458,000	458,000	458,000	458,000	458,000				458,000
	Lease Purchase & Other Payments	267,400	267,400	267,400	267,400	267,400				267,400
	<b>Subtotal Capital Improvements</b>	<b>10,372,311</b>	<b>8,000,111</b>	<b>6,182,354</b>	<b>5,642,978</b>	<b>5,642,978</b>	<b>-</b>	<b>400,000</b>	<b>218,935</b>	<b>5,024,043</b>
	<b>Annual Debt Service Payments</b>									<b>1,150,581</b>
	<b>GRAND TOTAL</b>									<b>6,174,624</b>
	Less Revenue Budgeted:							School Bldg Grants		
								Tower Revenue		
								(378,000)		
								(40,000)		
										<b>5,756,624</b>

\* Balances from various completed capital improvement projects will be transferred to offset the General Fund appropriation. See Appendix A

**TABLE 6A**  
**CAPITAL IMPROVEMENT PLAN 2018-19**

**TABLE 6B**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2019-20**

STATE AID							
	Project Title	Total	LoCIP	Town Aid Roads	Building Grants	Other Revenue	General Fund Budget
<b>General Government</b>	Information Technology Reserve	562,100					562,100
	Townwide Fiber Optic Deployment	250,000					250,000
	Town Hall/Community Center Technology Costs	800,000					800,000
	General Property Improvements	90,000					90,000
	Town Buildings Mechanical Reserve	40,000					40,000
	Town Buildings Sidewalk Replacement & Repairs	25,000					25,000
	Highway Garage Building Upgrades & Repairs	120,000					120,000
	Highway Garage Building Addition	271,000					271,000
	Senior & Disabled Center Bldg Energy Management System	100,000					100,000
	Radio Replacement Reserve	40,000				40,000	-
<b>Public Safety</b>	Fire Department Personal Protective Equip. (PPE) Replacement	60,000					60,000
	Fire Dept Thermal Imager Camera Replacement	26,000					26,000
<b>Public Works</b>	Road Resurfacing/Reconstruction	800,000	200,000	400,000			200,000
	Sidewalk Repair	25,000					25,000
	MS4 Compliance/Stormwater Management Plan	30,000					30,000
	Stonewall Repair	25,000					25,000
	Drainage Improvement	25,000					25,000
	Public Building Resurfacing Program	25,000					25,000
	Traffic Signal Repair & Replacement Reserve	25,000					25,000
<b>Parks And Recreation</b>	Community Center Furniture and Equipment	800,000					800,000
	Appr. To Public School CIP Reserve	125,000					125,000
<b>Education</b>	School Bus Replacement Program	344,133			300,000	44,133	*
	School Technology Reserve	188,828			78,000	110,828	*
	School Districtwide HVAC Replacement	150,000					150,000
	School Driveways, Parking Lots & Sidewalks	250,000					250,000
	School Roof Repair Reserve	150,000					150,000
	Equipment Replacement Reserve	520,000					520,000
	Lease Purchase & Other Payments	267,400					267,400
<b>Subtotal Capital Improvements</b>		6,134,461	200,000	400,000	378,000	40,000	5,116,461
<b>Annual Debt Service Payments</b>							2,057,731
<b>GRAND TOTAL</b>							<u>7,174,192</u>

\* School Building Grants of \$378,000 are included for reimbursement of prior year projects.

**TABLE 6C**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2020-21**

STATE AID						
	Project Title	Total	LoCIP	Town Aid Roads	Other Revenue	General Fund Budget
<b>General Government</b>	Information Technology Reserve	582,450				582,450
	Townwide Fiber Optic Deployment	250,000				250,000
	General Property Improvements	85,000				85,000
	Town Buildings Mechanical Reserve	40,000				40,000
<b>Public Safety</b>	Highway Garage Building Addition	275,000				275,000
	Radio Replacement Reserve	40,000			40,000	-
	Fire Department Personal Protective Equip. (PPE) Replacement	60,000				60,000
	Fire Co 4 Fire House Replacement Study	50,000				50,000
<b>Public Works</b>	Fire Co #6 Interior Interior and Exterior Painting	30,000				30,000
	Road Resurfacing/Reconstruction	825,000	200,000	400,000		225,000
	Sidewalk Repair	25,000				25,000
	MS4 Compliance/Stormwater Management Plan	30,000				30,000
<b>Parks And Recreation</b>	Stonewall Repair	25,000				25,000
	Drainage Improvement	25,000				25,000
	Public Building Resurfacing Program	25,000				25,000
	Traffic Signal Repair & Replacement Reserve	25,000				25,000
<b>Education</b>	NHS Athletic Fields Irrigation System Replacement Ph I of III	300,000				300,000
	Appr. To Public School CIP Reserve	125,000				125,000
	School Bus Replacement Program	344,133				344,133
	School Technology Reserve	188,828				188,828
<b>Equipment Replacement</b>	School Districtwide HVAC Replacement	150,000				150,000
	School Driveways, Parking Lots & Sidewalks	233,000				233,000
	School Roof Repair Reserve	150,000				150,000
	Equipment Replacement Reserve	530,000				530,000
Lease Purchase & Other Payments		426,374				426,374
<b>Subtotal Capital Improvements</b>		4,839,785	200,000	400,000	40,000	4,199,785
<b>Annual Debt Service Payments</b>						3,153,619
<b>GRAND TOTAL</b>						<u>7,353,404</u>

**TABLE 6D**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2021-22**

<b>STATE AID</b>					
	Project Title	Total	LoCIP	Town Aid Roads	Other Revenue
<b>General Government</b>	Information Technology Reserve	344,150			344,150
	Townwide Fiber Optic Deployment	275,000			275,000
	General Property Improvements	80,000			80,000
	Town Buildings Mechanical Reserve	35,000			35,000
<b>Public Safety</b>	Town Buildings Sidewalk Replacement & Repairs	25,000			25,000
	Radio Replacement Reserve	40,000		40,000	-
	Fire Department Personal Protective Equip. (PPE) Replacement	60,000			60,000
<b>Public Works</b>	Fire Co #4 & #5 Heating System Replacement	25,000			25,000
	Road Resurfacing/Reconstruction	800,000	200,000	400,000	200,000
	MS4 Compliance/Stormwater Management Plan	25,000			25,000
	Stonewall Repair	25,000			25,000
<b>Parks And Recreation</b>	Drainage Improvement	25,000			25,000
	Public Building Resurfacing Program	25,000			25,000
	NHS Athletic Fields Irrigation System Replacement Ph II of III	200,000			200,000
	Appr. To Public School CIP Reserve	125,000			125,000
<b>Education</b>	School Bus Replacement Program	344,133			344,133
	School Technology Reserve	173,828			173,828
	School Districtwide HVAC Replacement	75,000			75,000
	School Roof Repair Reserve	150,000			150,000
<b>Equipment Replacement</b>	Equipment Replacement Reserve	530,000			530,000
	Lease Purchase & Other Payments	400,549			400,549
<b>Subtotal Capital Improvements</b>		3,782,660	200,000	400,000	40,000
<b>Annual Debt Service Payments</b>					4,395,744
<b>GRAND TOTAL</b>					<u>7,538,404</u>

**TABLE 6E**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2022-23**

	Project Title	Total	STATE AID			Other Revenue	General Fund Budget
			LoCIP	Town Aid Roads	Building Grants		
<b>General Government</b>	Information Technology Reserve	486,600					486,600
	General Property Improvements	80,000					80,000
<b>Public Safety</b>	Town Buildings Mechanical Reserve	40,000					40,000
	Radio Replacement Reserve	40,000				40,000	-
<b>Public Works</b>	Fire Department Personal Protective Equip. (PPE) Replacement	60,000					60,000
	Fire Co 3 Fire House Replacement Study	50,000					50,000
<b>Parks And Recreation</b>	Road Resurfacing/Reconstruction	800,000	200,000	400,000			200,000
	Sidewalk Repair	25,000					25,000
<b>Education</b>	MS4 Compliance/Stormwater Management Plan	25,000					25,000
	NHS Athletic Fields Irrigation System Replacement Ph III of III	200,000					200,000
<b>Equipment Replacement</b>	Appr. To Public School CIP Reserve	125,000					125,000
	School Bus Replacement Program	344,133			300,000		44,133 *
	School Technology Reserve	173,828					173,828
	School Districtwide HVAC Replacement	75,000					75,000
	School Roof Repair Reserve	70,000					70,000
	Equipment Replacement Reserve	550,000					550,000
	Lease Purchase & Other Payments	317,949					317,949
		3,462,510	200,000	400,000	300,000	40,000	2,522,510
<b>Subtotal Capital Improvements</b>							5,204,256
<b>Annual Debt Service Payments</b>							
<b>GRAND TOTAL</b>							<u>7,726,766</u>

\* School Building Grants of \$300,000 are included for reimbursement of prior year projects.

## **APPENDICES**

APPENDIX A

SUMMARY OF CAPITAL PROJECTS

Project No.	Description	Date of Approval	Appropriation	Encumbrances	Expenditures	Total	3/7/2018
<i>Public Building Fund Projects (3001)</i>							
0120	Town Hall /Community Center Building Project	11/7/2017	28,818,358	227,031	254,516	481,547	28,336,811 **
88101	Library Expansion/Town Hall Site Plan	4/15/2010	145,000		54,560	54,560	90,440 **
88305	Parks Storage Barn Roof Replacement	5/8/2012	23,358		23,358	23,358	0
88307	JW, MK, NHS Career Tech Renovation	5/8/2012	4,622,694	31,960	4,319,310	4,351,270	271,424 **
88402	NHS Music Wing/Air Cond Auditorium	4/9/2013	472,648		364,580	384,580	108,068 **
88705	Fire Co 3 Shingled Roof Replacement	4/5/2016	28,150		28,150	28,150	0
88706	Fire Co 2 & 3 Chimney Removal	4/5/2016	12,400		12,400	12,400	0
88707	J. Wallace Classroom Wings Reconfiguration **	4/5/2016	500,000		67	67	499,933 *
88804	Town Hall Improvements	4/10/2007	4,203,929	6,345	3,086,566	3,092,911	1,111,018 **
<b>Subtotal Public Building Fund Projects (3001)</b>			<b>38,826,537</b>	<b>265,336</b>	<b>8,143,507</b>	<b>8,408,843</b>	<b>30,417,694</b>
<i>Capital And Non-Recurring Expenditures Fund Projects (3002)</i>							
88031	Computer Assisted Dispatch	4/14/2009	44,545		44,545	44,545	0
88032	Landfill Conversion to Transfer Station	4/14/2009	660,000	16,610	203,049	219,659	440,341
88035	School Concrete Sidewalk Replacement	4/14/2009	40,000		25,694	25,694	14,306
88039	Lease Pmts Recycling Containers	4/15/2010	556,085		556,085	556,085	0
88111	General Property Improvements	4/15/2010	981,898	3,750	874,716	878,466	103,432
88112	Senior & Disabled Ctr HVAC Replacement	4/15/2010	411,750		329,234	329,234	82,516
88114	Public Building Resurfacing	4/15/2010	420,000		379,262	379,262	40,738
88115	Market Square Development	4/15/2010	558,503		558,503	558,503	0
88141	General Government Equip. Res.	4/26/1988	718,480		661,622	661,622	56,858
88142	Public Safety Equip. Res.	4/26/1988	5,219,856		5,201,847	5,201,847	18,009
88143	Public Works Equip. Res.	4/26/1988	4,341,723		4,280,337	4,280,337	61,385
88144	Parks & Grounds Equip. Res.	4/26/1988	1,612,766		1,506,571	1,506,571	106,195
88146	Equipment Res. Lease Payments	4/26/1988	2,768,818		2,472,269	2,472,269	296,549
88326	Clem Lemire Park Drainage & Paving	5/8/2012	59,970		59,970	59,970	0
88328	High School Tennis Courts	5/8/2012	489,266		489,266	489,266	0
88329	National Welding Engineering Services	5/8/2012	320,000		11,559	11,559	308,441
88411	Information Technology Reserve	4/27/1993	4,410,534		3,883,331	3,883,331	527,203
88416	Drainage Improvement	4/27/1993	1,157,556		888,659	888,659	268,897
88422	Town Buildings Mechanical Reserve	4/9/2013	240,519	4,968	231,760	236,728	3,791
88423	Police Records Mgmt/CAD Replacement	4/8/2014	144,247		144,247	144,247	0
88426	Library Automated Collection Management System	4/9/2013	135,861		135,861	135,861	0
88515	Sidewalk Repair	4/26/1994	647,466	2,630	562,915	565,545	81,922
88517	Resurfacing Program - P&G	4/26/1994	240,193		240,193	240,193	0
88522	Fire Co. 1 Heating System Replacement	4/8/2014	36,738		36,738	36,738	0
88523	NVA Sidewalk/Drainage/Site Improv.	4/8/2014	37,030		37,030	37,030	0
88525	Snow Thrower Attachment for Loader	4/8/2014	74,904		74,904	74,904	0
88527	Synthetic Turf Replacement Reserve	4/8/2014	75,000			0	75,000
88526	Recreation Software	4/8/2014	75,000		74,042	74,042	958
88611	Replacement of Heating & Air Conditioning	6/25/1996	172,290		172,290	172,290	0
88619	Fire Co 1 Breathing Air System Replacement	4/21/2015	52,700		52,700	52,700	0
88620	Fire Co 2 Breathing Air System Replacement	4/21/2015	53,630		53,630	53,630	0
88621	Fire Co 2 & 3 Replacement Emergency Generators	4/21/2015	57,910		57,910	57,910	0

\*\* Building Committee exists

\* Full balance from this project will be transferred to the General Fund in FY 2018-2019.

APPENDIX A

SUMMARY OF CAPITAL PROJECTS

Project No.	Description	Date of Approval	Appropriation	Encumbrances	Expenditures	Total	3/7/2018
88622	Fire Co 2 & 3 Heating System Replacements	4/21/2015	46,218		46,218	46,218	0
88624	General Property School Improvements	4/21/2015	300,000		246,370	246,370	53,630
88625	School Bus	4/21/2015	210,734		197,718	197,718	13,016
88626	School Technology	4/21/2015	377,656		373,423	373,423	4,233
88627	School Driveways, Parking Lots & Sidewalks	4/21/2015	125,000		48,196	48,196	76,804
88628	Engineering Svcs Town Center Streetscape VI	2/9/2016	70,000		68,592	68,592	1,408
88723	SDC Asbestos & Lead Abatement	4/5/2016	200,817		200,817	200,817	0
88724	Highway Garage HVAC Conversion to Natural Gas	4/5/2016	215,000		215,000	215,000	0
88725	Parks Garage Boiler & HVAC Rpl	4/5/2016	70,000		69,983	69,983	17
88726	Fire Dept Personal Protective Equipment	4/5/2016	132,000	59,905	68,122	128,027	3,973
88727	Fire Dept 5" Hose Replacement	4/5/2016	60,000	29,911	29,997	59,908	92
88728	Stonewall Repair	4/5/2016	25,000		20,000	20,000	5,000
88729	Elton Drive Terminus Construction	4/5/2016	25,000			0	25,000
88730	Districtwide HVAC Replacements	4/5/2016	150,000			0	150,000 *
88731	J. Patterson Classroom AC	4/5/2016	100,000		100,000	100,000	0
88732	Town Bldgs Sidewlk Repl/Repairs	4/5/2016	50,000		25,200	25,200	24,800
88733	Fire Co 2 Interior/Exterior Paint	4/25/2017	23,670		23,670	23,670	0
88734	Fire Co 5 Emergency Generator	4/25/2017	25,259		25,182	25,182	77
88735	Highway Garage Emergency Repair	4/25/2017	278,000	7,436	270,564	278,000	0
88811	Park, Pool & Playground Improvements	4/28/1987	1,246,242	1,000	1,245,242	1,246,242	0
88819	Road Reconstruction	4/10/2007	3,039,236		3,037,588	3,037,588	1,647
88821	Public Safety Communication Tower	4/18/2017	240,000		6,780	6,780	233,220
88911	Tax Revaluation Reserve	6/22/1999	1,044,940		1,007,024	1,007,024	37,916
88916	Traffic Signalization Reserve	6/22/1999	231,550		147,325	147,325	84,225
88926	Radio Replacement Reserve	4/10/2007	429,132	5,989	339,467	345,456	83,676
88931	OCR Compliance	4/8/2008	2,781,253		2,475,159	2,475,159	306,094 **
<b>Subtotal Capital And Non-Recurring Expenditures Fund</b>			<b>38,385,900</b>	<b>132,199</b>	<b>34,662,334</b>	<b>34,794,533</b>	<b>3,591,366</b>
<i>Public School Capital Improvement Projects Reserve Fund (3003)</i>							
88152	Districtwide Lighting Improvement	4/15/2010	49,954	15,808	34,146	49,954	0
88354	Districtwide Corridors/Exterior Doors	5/8/2012	0			0	0
88355	Districtwide Bathroom Renovations	5/8/2012	75,000		75,000	75,000	0
88356	Districtwide Playground Renovations	5/8/2012	134,023		134,023	134,023	0
88452	Districtwide Security and Safety	4/9/2003	112,839		112,839	112,839	0
88453	Districtwide Furniture Replacement	4/9/2003	67,808		67,808	67,808	0
88550	Career Tech/STEM Facility Modifications	4/21/2015	0			0	0
88555	Technology	2/8/2005	181,352		181,352	181,352	0
88651	System-wide Air Conditioning Installation	4/12/2005	316,026		166,026	166,026	150,000
88754	Arts Facility Modifications	4/5/2016	50,000		50,000	50,000	0
88755	JWMS Wing Improvements	4/5/2016	0			0	0
88756	Districtwide Underground Storage Tanks	4/5/2016	1,481,677		907,243	907,243	574,434
88757	Districtwide Roof Reserve	4/5/2016	242,581		242,581	242,581	0
88758	Districtwide Blacktop/Paving	4/5/2016	7,075		7,075	7,075	0
88851	Athletic Improvements	4/10/2007	340,895		340,895	340,895	0
88957	Painting	4/14/1998	347,785		347,785	347,785	0
88959	Carpet Replacement	4/13/1999	252,230		252,230	252,230	0
<b>Subtotal Public School Capital Improvement Projects</b>			<b>3,659,244</b>	<b>15,808</b>	<b>2,919,001</b>	<b>2,934,809</b>	<b>724,434</b>
<b>Total</b>			<b>80,871,680</b>	<b>413,343</b>	<b>45,724,842</b>	<b>46,138,185</b>	<b>34,733,495</b>

\* \* Building Committee exists

<sup>1</sup> Partial balance from this project will be transferred to the General Fund in FY 2018-2019.

**Appendix B**  
**Projected Use of the Public School CIP Reserve Fund**  
**Capital Improvement Plan 2018-2019 through 2022-2023**

In accordance with Newington Code of Ordinances 48-14 et seq., a Public School Capital Improvement Project Reserve Fund is established with proceeds from various sources including (a) earnings derived from investment and fund balances; (b) income from current school rental fees; (c) tuition; and (d) an annual appropriation of at least \$125,000 subject to a fund balance limit of \$1,200,000. Such funds are restricted to fund repairs, renovations and/or minor additions at buildings and/or facilities maintained by the Board of Education which have a life expectancy of at least seven (7) years. Costs for projects funded through this mechanism must be at least \$15,000 but cannot exceed the fund balance limit. Pursuant to Code of Ordinances 48-14 et seq., expenditures from this fund must conform to appropriations made by the Town Council. Appendix B illustrates a five-year income and expense analysis

**APPENDIX B**  
**PROJECTED USE OF THE PUBLIC SCHOOL CIP RESERVE FUND**  
**CAPITAL IMPROVEMENT PLAN 2018-2019 THROUGH 2022-2023**

PROJECT TITLE	ESTIMATED	ADOPTED	PROPOSED CAPITAL IMPROVEMENT PLAN			
	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Opening reserve	1,208,189	185,231	30,231	30,231	30,231	30,231
Appropriation from General Fund	125,000	125,000	125,000	125,000	125,000	125,000
Investment income	8,000	2,000	2,000	2,000	2,000	2,000
Tuition Receipts	150,000	200,000	200,000	200,000	200,000	200,000
School Rental Receipts	73,500	73,000	73,000	73,000	73,000	73,000
Transfer from Public Building Fund	500,000					
<b>Total available</b>	<b>2,064,689</b>	<b>585,231</b>	<b>430,231</b>	<b>430,231</b>	<b>430,231</b>	<b>430,231</b>
Less program projects:						
District-Wide Air Conditioning	150,000	15,000	25,000	25,000	25,000	25,000
Painting		30,000	25,000	25,000	25,000	25,000
District-Wide Technology		40,000	50,000	50,000	50,000	50,000
Carpet/Flooring Replacement		30,000	25,000	25,000	25,000	25,000
Security and Safety		30,000	25,000	25,000	25,000	25,000
District-Wide Furniture Upgrades		20,000	10,000	10,000	10,000	10,000
Athletic Improvements		15,000	25,000	25,000	25,000	25,000
District-Wide Bathroom Renovations		30,000	25,000	25,000	25,000	25,000
Arts Facility Modifications		45,000	50,000	50,000	50,000	50,000
District-Wide Playground Renovations	14,280	25,000	10,000	10,000	10,000	10,000
District-Wide Lighting Improvements	19,958	30,000	25,000	25,000	25,000	25,000
JWMS Wing Improvements		60,000				
District-Wide Underground Storage Tanks	1,452,947	60,000				
District-Wide Roof Reserve	242,273	60,000				
District-Wide Corridor/Exterior Doors		15,000	25,000	25,000	25,000	25,000
District-Wide Blacktop/Paving		30,000	50,000	50,000	50,000	50,000
District-Wide Vehicles		20,000	30,000	30,000	30,000	30,000
<b>Total</b>	<b>1,879,458</b>	<b>555,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>
Ending Reserve		185,231	30,231	30,231	30,231	30,231

**APPENDIX C-1**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2018-2019**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Total Road Construction Program	<u>0</u>	<u>0</u>
<b>PAVEMENT RESURFACING PROGRAM (VENDOR)</b>		
Birchlawn Terrace	702	32,000
Connecticut Avenue (Whitewood to Atwood)	1,631	78,000
Evergreen Road	870	39,000
Hemlock Street	859	39,000
Holland Drive	602	27,000
Laurel Circle	439	20,000
Middlebrook Road	928	42,000
Old Hatchery Lane	579	26,000
Pane Road (Rockwell to Turnpike)	2,271	136,000
Red Rock Circle	645	29,000
Rockwell Road	2,151	116,000
Schoolhouse Road	2,648	119,000
Standard Street	866	39,000
Styles Avenue (Maple Hill to Henry)	1,118	50,000
Tremont Street (Boylston to Red Rock)	2,245	101,000
Total Pavement Resurfacing Program	<u>18,553</u>	<u>893,000</u>
Crack Seal Program		7,000
ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		200,000
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>300,000</u>
		<u>900,000</u>

**APPENDIX C-2**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2019-2020**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Total Road Construction Program	<u>0</u>	<u>0</u>
<b>PAVEMENT RESURFACING PROGRAM (VENDOR)</b>		
Francis Avenue	3,112	139,000
Holmes Road	1,845	111,000
Maple Hill Avenue (New Britain to Robbins)	2,428	130,000
Miles Avenue	553	20,000
Pascone Place	1,905	114,000
Robbins Avenue	6,184	371,000
Thomas Street	355	15,000
Total Pavement Resurfacing Program	<u>16,382</u>	<u>900,000</u>
Crack Seal Program		0
ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		200,000
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>300,000</u>
		<u>900,000</u>

\*\*Note - this does not match the funding schedule in Table 6B. Included are roads that we are tentatively planning to complete if we are able to fund \$900,000.

**APPENDIX C-3**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2020-2021**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Total Road Construction Program	<u>0</u>	<u>0</u>
<b>PAVEMENT RESURFACING PROGRAM (VENDOR)</b>		
Chapman Street (Summit to Summit)	885	37,000
Dartmouth Place	1,039	37,000
Deming Street (Turnpike to Culver)	1,487	111,000
Eleanor Place	1,027	37,000
Elliot Lane	746	34,000
Fairfield Avenue	722	26,000
Fennwood Circle	506	23,000
Goodale Drive	3,813	158,000
Green Avenue	743	33,000
Kimberley Road	3,260	145,000
Quincy Lane	961	40,000
Spruce Street	865	39,000
Summit Street (Chapman to cul-de-sac)	402	16,000
West Hartford Road	1,632	88,000
West Hill Road	1,487	76,000
Total Pavement Resurfacing Program	<u>19,573</u>	<u>900,000</u>
Crack Seal Program		0
<b>ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN</b>		
		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		200,000
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>300,000</u>
		<u>900,000</u>

\*\*Note - this does not match the funding schedule in Table 6C. Included are roads that we are tentatively planning to complete if we are able to fund \$900,000.

**APPENDIX C-4**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2021-2022**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Bismark Avenue	255	18,000
Victoria Avenue	216	15,000
Total Road Construction Program	<u>471</u>	<u>33,000</u>
<b>PAVEMENT RESURFACING PROGRAM (VENDOR)</b>		
Cheney Lane	2,114	95,000
Clifford Street	1,202	54,000
Coles Avenue	1,144	51,000
Dowd Street (Willard to Farmstead)	1,615	73,000
James Street	522	22,000
Kitts Lane (Robbins to Turnpike)	1,459	66,000
Lydall Road	1,572	71,000
North Mountain Road	3,294	146,000
Pane Road (Church to Rockwell)	1,637	98,000
Progress Circle	867	39,000
Stamm Road	2,214	111,000
Wakeley Road	921	41,000
Total Pavement Resurfacing Program	<u>18,561</u>	<u>867,000</u>
Crack Seal Program		0
ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		200,000
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>300,000</u>
		<u>900,000</u>

\*\*Note - this does not match the funding schedule in Table 6D. Included are roads that we are tentatively planning to complete if we are able to fund \$900,000.

**APPENDIX C-5**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2022-2023**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Total Road Construction Program	<u>0</u>	<u>0</u>
<b>PAVEMENT RESURFACING PROGRAM (VENDOR)</b>		
Apple Hill	1,716	77,000
Budney Road	972	44,000
Burdon Lane	656	30,000
Bushy Hill Drive	751	34,000
Cambridge Drive	1,007	45,000
Cinnamon Road	951	43,000
Coolidge Avenue	1,213	44,000
Copper Beech Lane	628	28,000
Cortland Way	1,309	59,000
Golf Street	1,523	55,000
Jeffrey Lane	2,159	97,000
Judge Lane	847	38,000
Magnolia Street	1,104	40,000
Mohawk Circle	505	23,000
Nutmeg Lane	365	16,000
Sequin Street	1,163	42,000
Settlers Knoll	1,365	61,000
Stuart Street	1,327	48,000
Walnut Street	1,071	39,000
Woods Way	747	34,000
Total Pavement Resurfacing Program	<u>21,378</u>	<u>897,000</u>
Crack Seal Program		3,000
ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		200,000
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>300,000</u>
		<u>900,000</u>

\*\*Note - this does not match the funding schedule in Table 6E. Included are roads that we are tentatively planning to complete if we are able to fund \$900,000.

## Appendix D

### EQUIPMENT RESERVE FUNDS AND MAJOR EQUIPMENT REPLACEMENT SCHEDULE

The Equipment Replacement Reserve, part of the Capital and Non-Recurring Expenditures Fund, is funded by an annual appropriation from the General Fund that provides for the replacement of existing major equipment and rolling stock on a straight-line depreciation basis. The basis of the appropriation is the "Equipment Replacement Schedule," which shows the current major equipment replacement needs, and includes the funds needed to be reserved annually to pay for future replacements. The schedule (detailed on the following pages) inventories each piece of major equipment currently existing or as it is acquired in the motor vehicle fleet. The schedule calculates which piece of major equipment is in need of replacement when it reaches its optimum life cycle at a 3.5% inflation factor. The schedule also formulates the funds needed to be reserved annually on a straight-line depreciation basis to pay for future replacements.

The Town funds for future replacements on a depreciation-reserve basis. The "Schedule of Equipment Replacement Reserve Fund" on the succeeding page demonstrates that in FY 2020-2021, FY 2021-2022 and FY 2022-2023, the fund will no longer have a sufficient reserve level to meet its objective to fund at a constant level equal to straight-line depreciation and replace vehicles when they reach the optimum life cycle. This is due to reductions in funding by the Town Council in FY 2009-2010, FY 2011-2012 and FY 2015-2016 and rising costs of replacement. These reductions by the Town Council will affect replacements in the near future, even though a concerted effort is being made to reduce the quantity of vehicles in the fleet.

APPENDIX D

SCHEDULE OF EQUIPMENT REPLACEMENT RESERVE FUND

	COUNCIL ADOPTED 2017-2018	COUNCIL ADOPTED 2018-2019	PROPOSED CAPITAL IMPROVEMENT PLAN			
	2019-2020	2020-2021	2021-2022	2022-2023		
Opening Reserve Balance	146,503	102,281	90,159	138,304	(98,923)	(387,069)
Appropriation From General Fund						
Lease Payment	267,400	267,400	267,400	426,374	400,549	317,949
Annual Depreciation Funding	458,000	520,000	520,000	530,000	530,000	550,000
Total Funds Available	871,903	889,681	877,559	1,094,678	831,626	480,880
Less Proposed Equipment Expenditures:						
Equipment Purchases	522,978	532,122	471,855	767,227	818,146	756,359
Lease Payments for Fire Rescue R1 (July 2015)	119,400	119,400	119,400	119,400		
Lease Payments for Fire Pumper E1 (Jan 2017)	148,000	148,000	148,000	148,000	82,600	
Lease Payments for Fire Aerial T2 (Jan 2021)				158,974	317,949	317,949
Total Proposed Equipment Expenditures	790,378	799,522	739,255	1,193,601	1,218,695	1,074,308
Ending Reserve Balance	81,525	90,159	138,304	(98,923)	(387,069)	(593,428)

GENERAL GOVERNMENT

Funding is available to purchase a replacement for Unit #719, a Chevrolet Silverado 1500.

## APPENDIX D

## GENERAL GOVERNMENT

USER	VEH. ID.	MAKE	MODEL	VEH. YEAR	PURCHASE PRICE	ANNUAL DEPRECIATION	ANTIC- IPATED LIFE		CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1, 2018 2019 2020 2021 2022						
							EST. LIFE	YEARS RE-MAINING										
							CYCLE	13				35,479	35,479	35,479	0	0		
FACILITY	719	Chevrolet	Silverado 1500 w/cap	2005	8,800	2,287	13	0	35,479	35,479	35,479	35,479	0	0	0	0		
HUM. SVC.	806	FORD	E350 VAN	2006	21,496	4,141	13	1	33,142	34,302	34,302	34,302	0	34,302	0	0		
BLDG.	752	HONDA	CIVIC HYBRID	2007	21,580	4,758	12	1	31,207	32,300	32,300	32,300	0	32,300	0	0		
DIAL/RIDE	631	Ford	E450 F Econoline	2009	61,361	9,178	11	2	69,630	74,589	74,589	74,589	0	0	74,589	0		
HUM. SVC.	753	HONDA	CIVIC HYBRID	2007	21,580	4,758	13	2	31,207	33,430	33,430	33,430	0	0	33,430	0		
Pool	7171	DODGE	CHARGER	2007	23,662	4,702	14	3	34,623	38,387	38,387	38,387	0	0	0	38,387		
Pool	704	FORD	Escape Hybrid	2009	28,784	5,525	13	4	35,383	40,602	40,602	40,602	0	0	0	0		
Gen Govt	73701	FORD	Explorer	2013	32,045	5,888	9	4	36,773	42,197	42,197	42,197	0	0	0	0		
DIAL/RIDE	634	FORD	E350	2014	63,895	9,427	9	5	73,321	87,083	87,083	87,083	0	0	0	0		
DIAL/RIDE	635	Chevrolet	4500 Express	2016	62,680	9,292	9	7	64,874	82,538	82,538	82,538	0	0	0	0		
HUM. SVC.	802	Chevrolet	Express Van G3500	2017	32,332	5,044	12	11	33,464	48,856	48,856	48,856	0	0	0	0		
DIAL/RIDE	630	Ford	E450 F Econoline	2008	61,361													
DIAL/RIDE	9751	HONDA	CIVIC HYBRID	2005	20,247													
Gen Govt	702	FORD	F350 Utility	2002	4,500													
Senior Ctr	6185	CHEVROLET	IMPALA	2008	19,919													
BLDG.	72702	FORD	EXPLORER	2008	22,789													
HUM. SVC.	805	GMC	VAN	2002	23,000													
DIAL/RIDE	636	FORD	E350	2005	51,305													
FACILITY	717119	FORD	EXPLORER	2003	23,119													
ENGRG.	717118	DODGE	DURANGO	2002	21,450													
BLDG.	7340	FORD	Explorer	1999	4,450													
HUM. SVC.	801	FORD	E150 VAN	1999	2,000													
Assessor	7189	FORD	TAURUS SL	2008	18,696													
HEALTH	7120	FORD	500	2005	24,433													
BLDG.	7121	FORD	500	2005	24,433													
BLDG.	7122	FORD	500	2005	24,433													
DIAL/RIDE	6635	FORD	E350	2005	51,305													
				TOTAL	775,655	65,000							0	35,479	66,602	108,019	38,387	82,799

- (1) The amount paid by the Town for the vehicle.
- (2) Annual depreciation is equal to the purchase price (1) less estimated resale value divided by anticipated life cycle (3).
- (3) Anticipated life cycle is the number of years the vehicle will actually operate. This may vary from the optimum life cycle.
- (4) The estimated life years remaining is the age of vehicle compared to the anticipated life cycle (3).
- (5) Current replacement cost is the cost to replace the vehicle today.
- (6) Projected replacement cost is the current replacement cost (5) multiplied by an inflation factor of 3.5% compounded by the number years remaining (4).

Note: No annual depreciation amount is listed for vehicles replaced in previous years. They are listed here to give an accounting of the fleet.

## POLICE

Funding is available to purchase a replacement for Unit #117, a Ford Explorer and for Unit #127, a Chevrolet Equinox.

The Police Department Equipment Reserve Program is split into two categories. Vehicles in the first category meet Equipment Reserve requirements of having a life expectancy beyond seven years. The second category includes those vehicles appropriated in the Police - Vehicles (#220) operating budget because their life expectancy is only three years due to intensive use.

## APPENDIX D

## POLICE

USER	VEH. ID.	MAKE	MODEL	VEH. PURCHASE YEAR	PRICE	ANNUAL DEPRECIA- TION	IPATED LIFE	YEARS RE- CYCLE	CURRENT MAINING	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1, 2018 2019 2020 2021 2022					
POLICE	117	FORD	EXPLORER	2011	31,687	4,725	7	0	38,952	38,952	38,952	0	0	0	0	0	
POLICE	127	CHEVROLET	EQUINOX	2011	28,913	4,329	7	0	35,541	35,541	35,541	0	0	0	0	0	
CANINE	172	FORD	F250	2007	27,000	3,666	12	1	37,533	38,847	0	38,847	0	0	0	0	
POLICE	126	FORD	TAURUS SEL AWD	2011	27,167	4,079	8	1	33,395	34,564	0	34,564	0	0	0	0	
POLICE	116	FORD	TAURUS SEL AWD	2011	23,644	3,576	9	2	30,084	32,227	0	0	32,227	0	0	0	
POLICE	137	KUSTOM SIGNAL	TRAFFIC TRAILER	2004	13,635	1,187	16	2	24,768	26,532	0	0	26,532	0	0	0	
POLICE	138	FORD	FUSION	2014	21,445	3,262	7	3	24,609	27,285	0	0	0	27,285	0	0	
POLICE	147	FORD	EXPLORER	2014	32,134	4,789	7	3	37,455	41,527	0	0	0	41,527	0	0	
POLICE	140	CHEVROLET	CAPRICE	2014	28,179	4,224	8	4	32,337	37,107	0	0	0	0	0	37,107	
ADMIN	148	FORD	TAURUS	2014	25,682	3,867	8	4	29,471	33,818	0	0	0	0	0	33,818	
POLICE	156	FORD	EXPLORER	2015	29,911	4,471	8	5	33,163	39,388	0	0	0	0	0	0	
ADMIN	157	FORD	EXPLORER	2015	29,911	4,471	8	5	33,163	39,388	0	0	0	0	0	0	
ADMIN	166	FORD	EXPLORER	2016	29,763	4,450	8	6	30,805	37,867	0	0	0	0	0	0	
ADMIN	167	FORD	EXPLORER	2016	29,763	4,450	8	6	30,805	37,867	0	0	0	0	0	0	
ERT	178	CHEVROLET	SILVERADO K3500	2017	35,664	5,293	8	7	36,912	46,963	0	0	0	0	0	0	
POLICE	107	FORD	TAURUS SEL	2010	25,309												
ERT	199	WELLS CARGO	UTILITY TRAILER CC	2001	20,990												
ADMIN	196	FORD	TAURUS SEL AWD	2009	26,330												
DETECTIVE	197	FORD	TAURUS SEL	2009	21,720												
ERT	105	FORD	EXPEDITION	2010	28,219												
DETECTIVE	188	FORD	EXPEDITION	2008	24,858												
ADMIN	186	FORD	TAURUS	2008	25,174												
				TOTAL	587,096	60,837											
												0	74,493	73,411	58,759	68,812	70,925

Police cruisers are purchased through the Police Vehicles (220-8403) operating budget rather than the Equipment Reserve. They are listed here to give an accounting of the fleet.

PATROL	164	HARLEY	MOTORCYCLE	2006	13,490											
PATROL	136	HARLEY	MOTORCYCLE	2015	23,192											
PATROL	190	FORD	CROWN VICT	2008	22,949											
PATROL	123	FORD	CROWN VICT	2011	26,046											
PATROL	124	FORD	CROWN VICT	2011	26,232											
PATROL	129	FORD	TAURUS INTERCEPTOR	2013	31,232											
PATROL	130	CHRYSLER	CHARGER	2012	29,152											
PATROL	132	CHEVROLET	CAPRICE	2013	30,858											
PATROL	133	FORD	INTERCEPTOR UTILITY	2014	26,918											
PATROL	134	FORD	INTERCEPTOR UTILITY	2014	35,640											
PATROL	141	FORD	INTERCEPTOR UTILITY	2014	26,662											
PATROL	142	FORD	INTERCEPTOR UTILITY	2014	26,662											
PATROL	150	FORD	INTERCEPTOR UTILITY	2015	26,572											
PATROL	151	FORD	INTERCEPTOR UTILITY	2015	26,572											
PATROL	152	FORD	INTERCEPTOR UTILITY	2015	26,572											
PATROL	153	FORD	INTERCEPTOR UTILITY	2015	26,572											
PATROL	154	FORD	INTERCEPTOR UTILITY	2015	26,572											
PATROL	160	CHEVY	TAHOE	2016	40,163											
PATROL	161	FORD	INTERCEPTOR UTILITY	2016	26,944											
PATROL	165	FORD	INTERCEPTOR UTILITY	2016	26,944											
PATROL	170	FORD	INTERCEPTOR UTILITY	2017	28,433											
PATROL	173	FORD	INTERCEPTOR UTILITY	2017	28,433											
PATROL	174	FORD	INTERCEPTOR UTILITY	2017	28,433	45										
POLICE	128	Ford	F450 Box/Tactical	2011	DONATION											
POLICE	135	HONDA	ODYSSEY	2006	DEA Forfeiture Funds											
POLICE	149	FARBER	COMMAND UNIT MOTORHOME	2013	GRANT											

Note: No annual depreciation amount is listed for vehicles replaced in previous years. They are listed here to give an accounting of the fleet.

## FIRE DEPARTMENT

Funding is available for the lease purchase payments on the replacement for Unit #223, a Pierce Rescue R1 and the replacement for Unit #208, a Pierce Pumper E1. Funding is also available to refurbish Unit #215, a Dodge Ram 3500.

As a note, Unit #206 is used as a reserve and training vehicle and is not scheduled to be replaced in the future.

## APPENDIX D

## FIRE

USER	VEH. ID.	MAKE	MODEL	VEH. YEAR	PURCHASE PRICE	ANTIC- EST.LIFE			CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1,						
						ANNUAL DEPRECI- ATION	IPATED LIFE CYCLE	YEARS RE- MAINING				2018	2019	2020	2021	2022		
FIRE	223	PIERCE	RESCUE R1	2017	704,900		25	24	700,000	700,000	119,400	0	119,400	119,400	0	0	0	
FIRE	208	PIERCE	PUMPER E1	1995	259,896		21	0	700,000	700,000	148,000	0	148,000	148,000	82,600	0	0	
FIRE	215	DODGE	RAM 3500 (To be refurbished)	1994	28,506		24	0	28,000	28,000		28,000	0	0	0	0	0	
FIRE	212	PIERCE	AERIAL T2	1997	540,000		23	2	1,333,016	1,427,960		0	0	158,974	317,949	317,949		
FIRE	201	FORD	EXPLORER	2014	32,134	2,448	7	3	36,875	50,000		0	0	0	50,000	0		
FIRE	242	PIERCE	DASH PUMPER E2	2003	383,568		20	5	626,920	744,585		0	0	0	0	0		
FIRE	202	Chevrolet	Tahoe	2016	45,980	2,623	8	6	47,589	58,499		0	0	0	0	0		
FIRE	222	FORD	F350 P/U	2010	40,524	1,235	15	7	49,815	83,378		0	0	0	0	0		
FIRE	252	KENWORTH	RESC TAC 2	2006	262,800		20	8	377,996	497,749		0	0	0	0	0		
FIRE	214	WINNEBAGO	WFG37S CMD CTR	2001	150,000	3,750	26	9	203,447	277,277		0	0	0	0	0		
FIRE	213	PIERCE	PUMPER E3	2008	496,450		20	10	660,061	951,081		0	0	0	0	0		
FIRE	224	PIERCE	PUMPER E4	2013	621,288		20	15	688,833	1,174,035		0	0	0	0	0		
FIRE	2223	PIERCE	RESCUE R1 (OLD)	1994	266,000													
FIRE	233	FORD	EXPLORER	2007	22,234													
FIRE	204	SUTPHEN	PUMPER E4 (OLD)	1991	222,083													
FIRE	203	SUTPHEN	PUMPER E3 (OLD)	1988	180,000													
FIRE	2550	FORD	VAN	1989	85,000													
FIRE	206	MACK	PUMPER E7	1965	60,000													
FIRE	221	PIERCE	AERIAL T1	2006	973,495													
FIRE	NAFA	BUFFALO	PUMPER		1929	10,000												
FIRE	NAFA	BUFFALO	PUMPER		1929	10,000												
				TOTAL	5,394,858	10,055							267,400	28,000	267,400	426,374	450,549	317,949

Note: No annual depreciation amount is listed for vehicles replaced in previous years. They are listed here to give an accounting of the fleet.

HIGHWAY DEPARTMENT

Funding is available to purchase a replacement for Unit #358, a Caterpillar Loader 938 and Unit #335, a Ford F350 Dump.

## APPENDIX D

## HIGHWAY

HIGHWAY				ANTIC- EST.LIFE				VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1, 2022										
USER	VEH. ID.	MAKE	MODEL	VEH. YEAR	PURCHASE PRICE	ANNUAL DEPRECIATION	IPATED LIFE CYCLE	YEARS RE-CYCLE	CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	2018	2019	2020	2021	2022		
HWY	358	CATERPILLAR	LOADER 938	1999	96,500	5,407	19	0	199,000	199,000		0	0	0	0	0		
HWY	335	FORD	F350 Dump	2008	39,075	5,443	10	0	53,000	53,000		0	0	0	0	0		
TRAFFIC	317	STERLING	DUMP TRUCK	2003	93,000	6,782	16	1	207,903	215,179		0	215,179	0	0	0		
HWY	356	ODB	LCT600 Leaf Collector	2005	15,993	2,475	14	1	23,829	24,663		0	24,663	0	0	0		
HWY	304	FORD	F350 P/U with plow	2008	27,104	4,113	12	2	40,438	42,000		0	0	42,000	0	0		
HWY	333	ATHEY	SWEEPER	2000	81,000	8,957	20	2	210,105	225,070		0	0	225,070	0	0		
HWY	323	STERLING	DUMP TRUCK	2004	94,328	6,865	16	2	209,926	224,878		0	0	224,878	0	0		
HWY	318	STERLING	DUMP TRUCK	2006	100,932	7,278	15	3	209,926	232,749		0	0	0	232,749	0		
HWY	359	CATERPILLAR	LOADER 935	2000	97,000	5,430	21	3	245,058	271,700		0	0	0	271,700	0		
HWY	306	FORD	F350 P/U w/plow & sander	2010	32,706	4,378	11	3	40,205	44,576		0	0	0	44,576	0		
HWY	321/347	INTERNATIONAL	DUMP TRUCK (CB) w/VACALL LV-	1999	207,000	14,557	23	4	229,505	263,362		0	0	0	0	263,362		
HWY	334	ATHEY	SWEEPER	2000	81,000	8,957	22	4	210,105	241,100		0	0	0	0	241,100		
HWY	348	CATERPILLAR	BACKHOE	2006	103,962	7,467	17	5	141,688	168,281		0	0	0	0	0		
HWY	307	FORD	F450	2007	38,614	3,539	16	5	52,626	62,503		0	0	0	0	0		
HWY	328	DYNAPAK	ROLLER	2003	55,480	3,542	20	5	126,341	150,054		0	0	0	0	0		
HWY	309	CHEVROLET	SILVERADO 3500	2013	44,618	5,419	11	6	49,469	60,810		0	0	0	0	0		
HWY	325	STERLING	L7500	2008	114,159	8,104	16	6	150,325	184,788		0	0	0	0	0		
HWY	340	CATERPILLAR	DOZER	2001	29,500	2,309	23	6	32,708	40,207		0	0	0	0	0		
HWY	336	INTERSTATE	TRAILER	2006	18,002	2,129	18	6	24,536	30,161		0	0	0	0	0		
HWY	3701	FORD	Explorer	2016	33,580	5,840	9	7	34,755	44,218		0	0	0	0	0		
TRAFFIC	326	STERLING	L7500	2008	114,159	8,104	17	7	150,325	191,256		0	0	0	0	0		
HWY	312	FREIGHTLINER	DUMP TRUCK w/plow	2010	145,090	10,630	15	7	209,926	267,084		0	0	0	0	0		
HWY	316	CHEVROLET	Silverado 3500 w/plow	2015	44,040	5,361	10	7	47,176	60,021		0	0	0	0	0		
HWY	302	CHEVROLET	Silverado 3500	2015	38,617	4,819	10	7	41,368	52,632		0	0	0	0	0		
HWY	352	ODB	LCT600 Leaf Collector	2011	21,657	2,401	15	8	26,622	35,056		0	0	0	0	0		
HWY	354	ODB	LCT600 Leaf Collector	2011	21,657	2,401	15	8	26,622	35,056		0	0	0	0	0		
HWY	355	ODB	LCT600 Leaf Collector	2011	21,657	2,401	15	8	26,622	35,056		0	0	0	0	0		
HWY	320	FREIGHTLINER	Dump Truck w/plow	2012	165,254	11,974	15	9	189,633	258,450		0	0	0	0	0		
HWY	353	ODB	LCT600 Leaf Collector	2012	22,653	2,467	15	9	25,994	35,427		0	0	0	0	0		
HWY	332	DOOSAN	Air Compressor P185WJDT41	2012	20,585	2,329	15	9	23,622	32,194		0	0	0	0	0		
HWY	362	LEEBBOY	L1000T Paver	2008	58,880	3,951	20	10	77,534	109,369		0	0	0	0	0		
HWY	364	Falcon RME	P4D2R1D Asphalt Recycler	2014	28,058	2,961	14	10	32,197	45,417		0	0	0	0	0		
HWY	341	FREIGHTLINER	DUMP TRUCK w/plow	2014	178,579	12,862	15	11	197,993	289,064		0	0	0	0	0		
HWY	342	FREIGHTLINER	DUMP TRUCK w/plow	2014	178,579	12,862	15	11	197,993	289,064		0	0	0	0	0		
HWY	343	FREIGHTLINER	DUMP TRUCK w/plow	2015	178,579	12,862	15	12	197,993	299,182		0	0	0	0	0		
HWY	344	FREIGHTLINER	DUMP TRUCK w/plow	2017	181,452	13,200	15	14	187,803	303,995		0	0	0	0	0		
HWY	345	CAT	WHEEL LOADER	2014	249,841	13,512	20	16	286,698	497,131		0	0	0	0	0		
HWY	365	SnoGo	MK-800 loader mount snowblower	2014	74,237	4,819	20	16	85,189	147,716		0	0	0	0	0		
HWY	329	FREIGHTLINER	TRI-AXLE	2016	157,102	6,547	29	27	162,601	411,634		0	0	0	0	0		
HWY	313	STERLING	DUMP TRUCK	2001	69,386													
HWY	330	BRAGA	9-TON TRAILER	2000	15,000													
HWY	305	CHEVROLET	Pickup Truck (Svc Veh)	2000	18,574													
HWY	324	STERLING	DUMP TRUCK	2000	92,300													
HWY	322	STERLING	DUMP TRUCK	2000	92,300													
HWY	368	FORD	EXPLORER	2007	22,234													
HWY	301	FORD	F-250	2005	25,900													
HWY	308	FORD	F-250	2005	25,900													
HWY	3155	FORD	CROWN VICTORIA	2005	21,564													
HWY	327	LEEBBOY	ROLLER	1999	20,000													
HWY	314	FORD	DUMP TRUCK	1996	87,553													
HWY	349	JOHN DEERE	SKIDSTEER	1998	27,423													
HWY	3320	INTERNATIONAL	DUMP TRUCK	1993	84,000													
HWY	3701	CHEVROLET	PICK UP	1996	18,656													
HWY	331	FORD	JET TRUCK LN8000	1994	4,021													
HWY	315	INTERNATIONAL	DUMP TRUCK	1993	84,000													
HWY	366	INTERNATIONAL	Garbage Truck	1985	3,500													
					TOTAL	4,036,541	255,455						0	252,000	239,842	491,948	549,025	504,462

Note: No annual depreciation amount is listed for vehicles replaced in previous years. They are listed here to give an accounting of the fleet.

PARKS DEPARTMENT

Funding is available to purchase a replacement for Unit #416, a Chevrolet Van and Unit #428, a Ford F550/L36A Aerial Bucket.

## APPENDIX D

## P A R K S

USER	VEH. ID.	MAKE	MODEL	VEH. PURCHASE YEAR	ANNUAL DEPRECIA- TION	IPATED LIFE CYCLE	YEARS RE- MAINING	CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1,							
											2018	2019	2020	2021	2022			
PARKS	416	CHEVROLET	VAN	2002	23,645	5,607	16	0	48,000	48,000	48,000	0	0	0	0			
PARKS	428	Ford	F550/L36A Aerial Bucket	2003	42,000	6,517	15	0	94,150	94,150	94,150	0	0	0	0			
PARKS	419	FORD	F-350 w/sander	2008	39,075	7,708	11	1	40,317	54,000	0	54,000	0	0	0			
PARKS	413	CHEVROLET	3500 Cargo Van	2006	9,000	4,700	13	1	26,527	38,000	0	38,000	0	0	0			
PARKS		Deep Tine Aerator		2002	20,110	5,157	18	2	27,959	29,951	0	0	29,951	0	0			
PARKS	417	JOHN DEERE	BACKHOE	2004	89,385	9,676	16	2	73,328	78,550	0	0	78,550	0	0			
PARKS	4703	Chevy	Cargo Van 3500	2003	9,999	4,617	18	3	12,978	14,389	0	0	0	14,389	0			
PARKS	418	JACOBSEN	HR-9016	2005	63,276	7,935	16	3	87,969	97,533	0	0	0	97,533	0			
PARKS	430	BANDIT	CHIPPER	2006	29,878	5,709	16	4	34,285	65,000	0	0	0	0	65,000			
PARKS	406	CHEVROLET	Colorado pickup w/plow	2011	25,191	6,169	11	4	28,809	33,173	0	0	0	0	33,173			
PARKS	408	CHEVROLET	Silverado 3500	2011	44,611	8,111	12	5	51,192	60,800	0	0	0	0	0			
PARKS	411	CHEVROLET	Silverado w/plow/sander	2012	35,758	7,226	11	5	38,305	45,495	0	0	0	0	0			
PARKS	415	CHEVROLET	Silverado w/liftgate/plow	2012	33,912	7,041	11	5	36,327	43,146	0	0	0	0	0			
PARKS		SMITHCO	SWEEPER	2002	22,000	5,283	22	6	30,585	37,597	0	0	0	0	0			
PARKS	450	BOBCAT	SKID/LOADER	2008	44,528	6,685	16	6	52,886	65,011	0	0	0	0	0			
PARKS	431	NEW HOLLAND	Boomer Tractor 3045	2010	38,085	6,256	15	7	34,285	43,621	0	0	0	0	0			
PARKS	423	TORO	Groundmaster 7210	2012	45,212	6,731	15	9	48,432	66,008	0	0	0	0	0			
PARKS	433	TORO	Groundmaster 4000	2014	63,639	10,014	11	7	68,275	86,865	0	0	0	0	0			
PARKS	401	CHEVROLET	Silverado 3500	2015	38,617	7,512	10	7	39,969	50,851	0	0	0	0	0			
PARKS	409	JACOBSEN	Riding Mower	1999	56,739													
PARKS	420	HOLLAND	FARM TRACTOR	2001	27,895													
PARKS	404	FORD	F-350	2006	35,741													
PARKS	403	FORD	F-250	2006	23,766													
PARKS	43231	FORD	EXPLORER	2003	26,000													
PARKS	405	GMC	Cargo Van 3500	2002	9,000													
PARKS	445	TORO	WORKMAN	2001	18,000													
PARKS	407	Dodge	Ram Van	2002	3,125													
PARKS	402	CHEVROLET	DUMP TRUCK w/sander	2003	34,425													
PARKS	4302	FORD F-250	PICKUP TRUCK	2001	26,107													
PARKS	410	FORD	DUMP TRUCK K3500	2000	30,000													
PARKS	4350	CAT	WHEEL LOADER	1994	90,000													
PARKS	432	CHEVROLET	Suburban K1500	1999	2,000													
PARKS	473	FORD	TRACTOR	1993	31,170													
				TOTAL	1,131,888	128,653												
												0	142,150	92,000	108,501	111,922	96,173	
				GRAND TOTAL		520,000							267,400	532,122	739,255	1,193,601	1,218,695	1,074,308
				COUNT		159												

Note: No annual depreciation amount is listed for vehicles replaced in previous years. They are listed here to give an accounting of the fleet.