



**TOWN OF NEWINGTON  
LONG RANGE  
CAPITAL IMPROVEMENT PLAN  
2017-2018 THROUGH 2021-2022  
COUNCIL ADOPTED**



Roy Zartarian  
Mayor

# TOWN OF NEWINGTON

131 CEDAR STREET  
NEWINGTON, CONNECTICUT 06111

## OFFICE OF THE MAYOR

April 18, 2017

This document represents the Town Council's Adopted Long Range Capital Improvement Plan. This Plan, representing the Fiscal Years 2017-2018 through 2021-2022 long-range capital needs, starts with the 2016-2017 fiscal year and plans an additional five years forward. As presented, I believe 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

## INDEX

		<u>Page</u>
Capital Improvement Plan Summary	(Table 1)	1
Existing Long-Term Debt Schedule	(Table 2)	3
Current Bonded Debt	(Table 2)	3
Proposed Long-Term Debt Schedule	(Table 3)	5
Comprehensive Capital Improvement Plan, Total Funds	(Table 4)	7
Council Adopted Capital Improvement Plan 2016-2017	(Table 5)	17
Five Year Capital Improvement Plan	(Tables 6A through 6E)	18

## APPENDICES

A.	Summary of Capital Projects	24
B.	Public School Capital Improvement Projects Reserve Fund	26
C.	Comprehensive Road Program	28
D.	Equipment Reserve Funds and Major Equipment Replacement Schedule	34

TABLE 1

**CAPITAL IMPROVEMENT PLAN SUMMARY  
FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022  
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>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>		
Town Funds	4,908,369	4,606,043	5,434,154	4,802,384	4,170,469	3,441,516		27,362,935
State Aid								
LoCIP	200,000	0	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	930,336	378,000	500,000	500,000	500,000			2,808,336
Other Grants			250,000					250,000
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>6,478,705</b>	<b>5,642,978</b>	<b>6,824,154</b>	<b>5,942,384</b>	<b>5,310,469</b>	<b>4,081,516</b>		<b>34,280,206</b>

**CAPITAL IMPROVEMENT PLAN SUMMARY  
FOR THE FISCAL YEARS 2017-2018 THROUGH 2021-2022  
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>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>		
Pay-As-You-Go								
General Government	1,859,962	1,369,246	1,277,793	1,157,023	1,386,514	447,367		7,497,905
Public Safety	444,500	382,000	355,000	150,000				1,331,500
Public Works	636,000	869,303	850,000	450,000	450,000	450,000		3,705,303
Community Development	15,638			40,000				55,638
Parks And Recreation	150,000	155,000	445,000	1,475,000	625,000	475,000		3,325,000
Education	2,143,205	1,523,094	1,757,961	757,961	757,961	1,157,961		8,098,143
Equipment Replacement	629,400	725,400	748,400	772,400	950,994	911,188		4,737,782
Annual Debt Service Payments	1,191,631	1,150,581	1,611,081	2,418,981	3,231,431	4,145,431		13,749,136
<b>TOTALS</b>	<b>7,070,336</b>	<b>6,174,624</b>	<b>7,045,235</b>	<b>7,221,365</b>	<b>7,401,900</b>	<b>7,586,947</b>		<b>42,500,407</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 \$52 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 Issued 2/2013 1.58% true interest cost	Refunding of Police Station I & II Issued 2/2013 1.58% true interest cost	Total Principal and Interest Payments
2018	672,211	478,370	1,150,581
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>\$ 2,370,772</b>	<b>\$ 3,285,677</b>	<b>\$ 5,656,449</b>
Total Principal Payments		\$ 5,220,000	
Total Interest Payments		\$ 436,449	
<b>Total Principal and Interest Payments</b>		<b>\$ 5,656,449</b>	

**CURRENT BONDED DEBT**  
**As of June 30, 2017**

Education	\$ 2,206,000
Public Safety	\$ 3,014,000
<b>Total</b>	<b>\$ 5,220,000</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 1/2018	\$10,000,000 Issued 12/2018	\$5,000,000 Issued 12/2019	\$5,000,000 Issued 12/2019	\$11,000,000 Issued 12/2020	\$11,000,000 Issued 12/2021			
2017	6,300,000	1,191,631							1,191,631	5,108,369	5,220,000
2018	6,300,000	1,150,581							1,150,581	5,149,419	14,195,000
2019	7,045,235	786,081	825,000						1,611,081	5,434,154	23,000,000
2020	7,221,366	760,231	808,750	850,000					2,418,981	4,802,384	31,310,000
2021	7,401,900	731,431	792,500	832,500	437,500	437,500			3,231,431	4,170,469	40,135,000
2022	7,586,947	707,931	776,250	815,000	428,125	428,125	990,000		4,145,431	3,441,516	48,420,000
2023	7,776,621	679,631	760,000	797,500	418,750	418,750	968,000	1,017,500	5,060,131	2,716,490	45,170,000
2024	7,971,037	651,631	743,750	780,000	409,375	409,375	946,000	994,125	4,934,256	3,036,780	41,935,000
2025	8,170,312	188,931	727,500	762,500	400,000	400,000	924,000	970,750	4,373,681	3,796,631	39,150,000
2026	8,374,570		711,250	745,000	390,625	390,625	902,000	947,375	4,086,875	4,287,695	36,550,000
2027	8,583,935		695,000	727,500	381,250	381,250	880,000	924,000	3,989,000	4,594,935	33,950,000
2028	8,798,533		678,750	710,000	371,875	371,875	858,000	900,625	3,891,125	4,907,408	31,350,000
2029	9,018,496		662,500	692,500	362,500	362,500	836,000	877,250	3,793,250	5,225,246	28,750,000
2030	9,243,959		646,250	675,000	353,125	353,125	814,000	853,875	3,695,375	5,548,584	26,150,000
2031	9,475,058		630,000	657,500	343,750	343,750	792,000	830,500	3,597,500	5,877,558	23,550,000
2032	9,711,934		613,750	640,000	334,375	334,375	770,000	807,125	3,499,625	6,212,309	20,950,000
2033	9,954,732		597,500	622,500	325,000	325,000	748,000	783,750	3,401,750	6,552,982	18,350,000
2034	10,203,601		581,250	605,000	315,625	315,625	726,000	760,375	3,303,875	6,899,726	15,750,000
2035	10,458,691		565,000	587,500	306,250	306,250	704,000	737,000	3,206,000	7,252,691	13,150,000
2036	10,720,158		548,750	570,000	296,875	296,875	682,000	713,625	3,108,125	7,612,033	10,550,000
2037	10,988,162		532,500	552,500	287,500	287,500	660,000	690,250	3,010,250	7,977,912	7,950,000
2038	11,262,866		516,250	535,000	278,125	278,125	638,000	666,875	2,912,375	8,350,491	5,350,000
2039	11,544,438			517,500	268,750	268,750	616,000	643,500	2,314,500	9,229,938	3,250,000
2040	11,833,049				259,375	259,375	594,000	620,125	1,732,875	10,100,174	1,650,000
2041	12,128,875						572,000	596,750	1,168,750	10,960,125	550,000
2042	12,432,097							573,375	573,375	11,858,722	
<b>TOTALS</b>			<b>6,848,081</b>	<b>13,412,500</b>	<b>13,675,000</b>	<b>6,968,750</b>	<b>6,968,750</b>	<b>15,620,000</b>	<b>15,908,750</b>	<b>79,401,831</b>	

Total Principal Payments \$ 58,255,000  
 Total Interest Payments \$ 21,146,831  
 Total Principal and Interest Payments \$ 79,401,831

Possible Bonding Projects (in alphabetical order):  
 Anna Reynolds Renovate as New  
 Fire Houses 3 & 4  
 Library Improvements  
 Park Improvements

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

**GENERAL GOVERNMENT**

Multiple year projects are continued in FY 2017-2018 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 2017-18 are:

- Senior & Disabled Center HVAC Replacement for replacement of 22 HVAC wall mounted unit ventilators.
- Town Roof Replacement (including Kellogg Eddy House) includes funding for roof replacements at Town buildings, including the Kellogg Eddy House and garage.

Multiple year funding begins in FY 2017-2018 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.

Projects proposed for FY 2018-2019 are:

- 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.
- Senior & Disabled Center Boiler Replacements to replace hot water boilers and pumps which are oversized and past their useful life.
- 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 2019-2020 to complete this 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.

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 2016-2017	ADOPTED 2017-2018	2018-2019	2019-2020	2020-2021	2021-2022			
<b>General Government</b>										
Information Technology Reserve	P	164,500	335,000	390,293	424,523	536,514	347,367	2,198,197		
Townwide Fiber Optic Deployment	P		250,000	250,000	250,000	750,000		1,500,000		
General Property Improvements	P	175,000	165,000	50,000	50,000	50,000	50,000	540,000		
Town Buildings Mechanical Reserve	P	100,000	50,000	25,000	25,000	25,000	25,000	250,000		
Senior & Disabled Center HVAC Replacement	P	62,000	71,750					133,750		
Town Buildings Sidewalk Replacement & Repairs	P	25,000	25,000	25,000	25,000	25,000	25,000	150,000		
Town Roof Replacement (includes Kellogg Eddy Roof)	P		575,000					575,000		
Senior & Disabled Center Bldg Energy Management System	P			100,000				100,000		
Senior & Disabled Center Boiler Replacements	P			55,000				55,000		
Highway Garage Building Upgrades & Repairs	P			115,000	115,000			230,000		
Highway Garage Building Addition	P			267,500	267,500			535,000		
Town Hall Improvements	P	733,462						733,462		
Senior & Disabled Center Asbestos & Lead Abatement	P	290,000						290,000		
Highway Garage HVAC Conversion to Natural Gas	P	215,000						215,000		
Parks Garage Boiler & HVAC Replacement	P	70,000						70,000		
Historic Properties Upgrades - Kelsey & Kellogg Eddy Homes	P	25,000						25,000		
<b>Total General Government</b>		<b>1,859,962</b>	<b>1,471,750</b>	<b>1,277,793</b>	<b>1,157,023</b>	<b>1,386,514</b>	<b>447,367</b>	<b>7,600,409</b>		

## PUBLIC SAFETY

Radio Replacement Reserve in FY 2017-18 continues multiple year funding to allow for a systematic, centralized approach to replacing radio communication equipment. This project utilizes funds received from the land lease for the cell tower at Newington High School.

FY 2017-2018 is the second year of funding 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, and for Fire Dept. 5" Fire Hose Replacement which will replace the existing hose on the apparatus as it is 10 years old.

In FY 2017-2018, funding is proposed for Public Safety Communications Tower Replacement to replace the existing communications tower for the public safety primary antenna at the former Cedarcrest Hospital building on Russell Road. If this State property, which is currently on the market, is purchased and demolished, a new communications tower will be needed on Cedar Mountain in order to maintain the quality of the current radio system.

The following projects are proposed in FY 2018-2019:

- Fire Co. 1 Energy Efficient Radiant Heat System to replace existing 30 year old system with radiant heating system.
- Fire Co. 2, 3, 4 and 5 Energy Efficient Lighting for the replacement of inefficient energy consuming lighting.
- Fire Dept HQ Energy Efficient A/C Replacement for the replacement of existing 20 year old wall mounted air conditioners.
- Fire Co. 4 Fire House Replacement (Land Acquisition) to purchase land in order to expand/replace this facility.
- Fire Co. 3 Resurface Bay Floor for the removal and refinishing of the epoxy floor in the apparatus bay that is deteriorating.
- Fire Co. 1 Bathroom Remodel for the replacement of the 30 year old bathroom and locker room that no longer meet the demands of the department volunteers during extended emergencies.

Funding is proposed in FY 2019-2020 to purchase land in order to expand/replace the facilities that house Fire Company 3.

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 2016-2017	ADOPTED 2017-2018	2018-2019	2019-2020	2020-2021	2021-2022			
<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	72,000					144,000		
Fire Dept 5" Fire Hose Replacement	P	30,000	30,000					60,000		
Fire Dept SCBA Replacement	P/G	237,500						237,500		
Fire Co 3 Shingled Roof Replacement	P	40,000						40,000		
Fire Co 2 & 3 Chimney Removal	P	25,000						25,000		
Fire Co 1 Energy Efficient Radiant Heat System	P		40,000					40,000		
Fire Co 2, 3, 4 & 5 Energy Efficient Lighting	P		45,000					45,000		
Fire Dept HQ Energy Efficient A/C Replacement	P		35,000					35,000		
Fire Co 4 Fire House Replacement (Land Acquisition)	P		150,000					150,000		
Fire Co 3 Fire House Replacement (Land Acquisition)	P		150,000					150,000		
Fire Co 3 Resurface Bay Floor	P		35,000					35,000		
Fire Co 1 Bathroom Remodel	P		50,000					50,000		
<b>Total Public Safety</b>		<b>444,500</b>	<b>382,000</b>	<b>395,000</b>	<b>190,000</b>	<b>40,000</b>	<b>40,000</b>	<b>1,491,500</b>		

## PUBLIC WORKS - ENGINEERING

The Town receives funds from the State, through the LoCIP and Town Aid for Roads grants, 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 2016-2017, the State announced that the LoCIP Grant funds were frozen indefinitely. Therefore, no funds were received in FY 2016-2017, as such no funds are budgeted for FY 2017-2018. Town Aid for Roads is anticipated at a level of approximately \$400,000 and an additional \$500,000 from the General Fund has been proposed to make a total of \$900,000 available to repair about 20,000 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.

Multiple year funding continues in FY 2017-2018 for Sidewalk Repair Program for repair of aging sidewalks for which the Town is responsible, and in FY 2018-2019 for:

- 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.
- Stonewall Repair Program addresses the increasing demand for the repair and/or reconstruction of existing stonewalls for which the Town is responsible.

## 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

Multiple year funding continues in FY 2017-2018 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 2016-2017	ADOPTED 2017-2018	2018-2019	2019-2020	2020-2021	2021-2022			
<b>Public Works - Engineering</b>										
Road Resurfacing/Reconstruction	P	886,000	900,000	900,000	900,000	900,000	900,000	900,000	5,386,000	
Sidewalk Repair	P	50,000	75,000	50,000	50,000	50,000	50,000	50,000	325,000	
Drainage Improvement	P	100,000		25,000	25,000	25,000	25,000	25,000	200,000	
Public Building Resurfacing Program	P	25,000		25,000	25,000	25,000	25,000	25,000	125,000	
Stonewall Repair	P	25,000		25,000	25,000	25,000	25,000	25,000	125,000	
Elton Drive Terminus Construction	P	25,000							25,000	
<b>Public Works - Highway</b>										
Traffic Signal Repair & Replacement Reserve	P	25,000		25,000	25,000	25,000	25,000	25,000	125,000	
<b>Public Works - Sanitation</b>										
Landfill Conversion to Transfer Station	P	100,000	400,000	400,000					900,000	
<b>Total Public Works</b>		<b>1,236,000</b>	<b>1,375,000</b>	<b>1,450,000</b>	<b>1,050,000</b>	<b>1,050,000</b>	<b>1,050,000</b>		<b>7,211,000</b>	

## COMMUNITY DEVELOPMENT

Funding is proposed in FY 2019-2020 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

Multiple year funding continues in FY 2017-2018 for Synthetic Turf Replacement Reserve to accumulate funds over the next several years in order to replace the existing turf and fill material, which has a useful life of 10 years.

The annual appropriation for Park, Pool and Playfield Improvements continues in FY 2017-2018. It 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.

In FY 2017-2018 Churchill Park Handicap Accessible 2-5 Year Old Playscape is included for this playscape, which will be designed for use by 2-5 year olds and be connected to the existing playscape. It will include a rubber safety surface and federally ADA compliant accessible pathways.

Funding is proposed in FY 2018-2019 and 2019-2020 for Snow Removal/Roadside Mowing Equipment which is capable of plowing, snow blowing and sanding sidewalks at school locations and the Town Center. The current method is causing undue stress on the transmission, engine and frame of the pickup trucks. There will also be an extended chute on the snowblower that will allow for snow to be directly loaded onto trucks and the additional roadside mowing attachment will allow this piece of equipment to be used year round.

Funding is included in FY 2018-2019 for:

- Beechwood Park Rubber Safety Surface and ADA Compliant Paths to replace the wood fiber surface with a rubber surface and install Federal ADA mandated accessible walkways.
- Town Parks ADA Compliant Paths to continue the process of installing Federal mandated ADA accessible pathways in Town parks.
- Clem Lemire Legends Field Lighting will install field lights, light towers, web-based controllers and related components. Grant funding will be sought for this project.

Multiple year funding begins in FY 2019-2020 for NHS Athletic Fields Irrigation System Replacement to phase in new irrigation systems for the high school soccer, baseball, field hockey and football fields.

Funding is proposed 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.

In FY 2020-2021, Churchill Park Upper Pavilion is included to allow another pavilion to be built for all to enjoy.

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		ADOPTED		2018-2019 2019-2020 2020-2021 2021-2022						
		2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022					
<b>Community Development</b>												
2030 Plan of Conservation & Development (POCD)								40,000				40,000
MarCap Property Purchase/Land Acquisition Fund	P	15,638										15,638
<b>Total Community Development</b>		<b>15,638</b>						<b>40,000</b>				<b>55,638</b>
<b>Parks And Recreation</b>												
Synthetic Turf Replacement Reserve	P	25,000	25,000	25,000	25,000	25,000	25,000					150,000
Park, Pool & Playfield Improvements	P	125,000	75,000	95,000	150,000	150,000	150,000					745,000
Churchill Park Handicap Accessible 2-5 yr old Playscape	P		55,000									55,000
Snow Removal/Roadside Mowing Equipment	P			100,000	120,000							220,000
Beechwood Park Rubber Safety Surface & ADA Compliant Paths	P			150,000								150,000
Town Parks ADA Compliant Paths	P			75,000								75,000
Clem Lemire Legends Field Lighting	G			250,000								250,000
NHS Athletic Fields Irrigation System Replacement	P				180,000	300,000	300,000					780,000
Community Center Furniture and Equipment	P				1,000,000							1,000,000
Churchill Park Upper Pavilion	P					150,000						150,000
<b>Total Parks &amp; Recreation</b>		<b>150,000</b>	<b>155,000</b>	<b>695,000</b>	<b>1,475,000</b>	<b>625,000</b>	<b>475,000</b>					<b>3,575,000</b>

## 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 2017-2018 continues funding for School Bus Replacement Program for the annual cost of bus replacement, School Technology to implement the final phase of the 1:1 device program, School Driveways, Parking Lots & Sidewalks and Districtwide HVAC Replacements.

Funding is also included in FY 2017-2018 for School Roof Repair Reserve.

Multiple year funding continues in FY 2017-2018 for the second phase of J. Wallace Classroom Wings Reconfiguration. This project would reconfigure the school with center hallways and secure classrooms replacing the current open concept classroom design.

Multiple year funding begins in FY 2018-2019 for School Entrances (Reconfiguration) to install double entry reinforced entrances for each school to improve security.

## 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 2016-2017	ADOPTED 2017-2018	2018-2019	2019-2020	2020-2021	2021-2022			
<b>Education</b>										
Appr. To Public School CIP Reserve	P	125,000	125,000	125,000	125,000	125,000	125,000	750,000		
General Property School Improvements	P	300,000						300,000		
J. Wallace Classroom Wings Reconfiguration	P	1,000,000	625,000	1,000,000	375,000			3,000,000		
School Bus Replacement Program	P	100,000	220,000	644,133	569,133	644,133	644,133	2,821,532		
School Technology Reserve	P	188,828	188,828	188,828	188,828	188,828	188,828	1,132,968		
Districtwide HVAC Replacements	P	150,000	150,000					300,000		
NHS Code Compliance	P	104,377						104,377		
J. Patterson Classroom AC - Phase I	P	100,000						100,000		
School Driveways, Parking Lots & Sidewalks	P	75,000	75,000					150,000		
School Roof Repair Reserve	P		150,000							
School Entrances (Reconfiguration)	P			300,000		300,000	200,000	800,000		
<b>Total Education</b>		<b>2,143,205</b>	<b>1,533,828</b>	<b>2,257,961</b>	<b>1,257,961</b>	<b>1,257,961</b>	<b>1,157,961</b>	<b>9,458,877</b>		
<b>Total Capital Improvements</b>		<b>5,849,305</b>	<b>4,917,578</b>	<b>6,075,754</b>	<b>5,169,984</b>	<b>4,359,475</b>	<b>3,170,328</b>	<b>29,392,424</b>		
<b>Equipment Replacement</b>										
Equipment Replacement Reserve	P	436,000	458,000	481,000	505,000	530,000	530,000	2,940,000		
Lease Purchase	P	193,400	267,400	267,400	267,400	420,994	381,188	1,797,782		
<b>Total Equipment Replacement</b>		<b>629,400</b>	<b>725,400</b>	<b>748,400</b>	<b>772,400</b>	<b>950,994</b>	<b>911,188</b>	<b>4,737,782</b>		
<b>Grand Total</b>		<b>6,478,705</b>	<b>5,642,978</b>	<b>6,824,154</b>	<b>5,942,384</b>	<b>5,310,469</b>	<b>4,081,516</b>	<b>34,280,206</b>		



TABLE 5

## ADOPTED CAPITAL IMPROVEMENT PLAN 2016-17

-----STATE AID-----									
	Project Title	Department Request	Town Manager Proposed	CIP Committee Proposed	Town Council Tentative	Town Council Adopted	LoCIP	Town Aid Roads	General Fund Budget
General Government	Information Technology Reserve	263,450	164,500	164,500	164,500	164,500			164,500
	General Property Improvements	175,000	175,000	175,000	175,000	175,000			175,000
	Town Buildings Mechanical Reserve	100,000	100,000	100,000	100,000	100,000			100,000
	Town Hall/Community Center Roof Replacement	1,172,000							-
	Town Hall Improvements		786,000	733,462	733,462	733,462			733,462
	Senior & Disabled Center Asbestos & Lead Abatement	290,000	290,000	290,000	290,000	290,000			290,000
	Highway Garage HVAC Conversion to Natural Gas	215,000	215,000	215,000	215,000	215,000			215,000
	Parks Garage Boiler & HVAC Replacement	70,000	70,000	70,000	70,000	70,000			70,000
	Senior & Disabled Center HVAC Replacement		62,000	62,000	62,000	62,000			62,000
	Historic Properties Upgrades - Kelsey & Kellogg Eddy	50,000	25,000	25,000	25,000	25,000			25,000
Public Safety	Town Buildings Sidewalk Replacement & Repairs	50,000	25,000	25,000	25,000	25,000			25,000
	Townwide Fiber Optic Deployment	1,500,000	250,000						-
	Micro Grid Electrical Installation Analysis	25,000							-
	Radio Replacement Reserve	40,000	40,000	40,000	40,000	40,000			40,000
	Public Safety Radio System Enhancement	200,000	200,000						-
	Fire Dept SCBA Replacement	237,500	237,500	237,500	237,500	237,500			237,500
	Fire Dept Personal Protective Equipment Replacement	72,000	72,000	72,000	72,000	72,000			72,000
	Fire Co 3 Shingled Roof Replacement	40,000	40,000	40,000	40,000	40,000			40,000
	Fire Dept 5th Fire Hose Replacement	60,000	30,000	30,000	30,000	30,000			30,000
	Fire Co 2 & 3 Chimney Removal	25,000	25,000	25,000	25,000	25,000			25,000
Public Works	Road Resurfacing/Reconstruction	886,000	886,000	886,000	886,000	886,000	200,000	400,000	286,000
	Drainage Improvement	100,000	100,000	100,000	100,000	100,000			100,000
	Sidewalk Repair	50,000	50,000	50,000	50,000	50,000			50,000
	Public Building Resurfacing Program	25,000	25,000	25,000	25,000	25,000			25,000
	Stonewall Repair	25,000	25,000	25,000	25,000	25,000			25,000
	Elton Drive Terminus Construction	45,000	45,000	25,000	25,000	25,000			25,000
	Traffic Signal Repair & Replacement Reserve	25,000	25,000	25,000	25,000	25,000			25,000
	Landfill Conversion to Transfer Station	100,000	100,000	100,000	100,000	100,000			100,000
	Marcap Property Acquisition	15,638	15,638	15,638	15,638	15,638			15,638
	Transfer to Land Acquisition Fund		77,462						-
Parks And Recreation	Park, Pool and Playfield Improvements	200,000	100,000	75,000	125,000	125,000			125,000
	Synthellic Turf Replacement Reserve	25,000	25,000	25,000	25,000	25,000			25,000
	Churchill Park Renovations (Environmental Review)		250,000	250,000					-
	Snow Removal Equipment	175,000	175,000						-
Education	Appr. To Public School CIP Reserve	125,000	125,000	125,000	125,000	125,000			125,000
	General Property School Improvements	300,000	300,000	300,000	300,000	300,000			300,000
	School Bus	100,000	100,000	100,000	100,000	100,000			100,000
	School Technology	188,828	188,828	188,828	188,828	188,828			188,828
	School Driveways, Parking Lots & Sidewalks	75,000	75,000	75,000	75,000	75,000			75,000
	J. Wallace Classroom Wings Reconfiguration Phase I	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000			1,000,000
	Districtwide HVAC Replacements	150,000	150,000	150,000	150,000	150,000			150,000
Equipment Replacement	NHS Code Compliance	104,377	104,377	104,377	104,377	104,377			104,377
	J. Patterson Classroom AC - Phase I	100,000	100,000	100,000	100,000	100,000			100,000
	Equipment Replacement Reserve	436,000	436,000	436,000	436,000	436,000			436,000
	Lease Purchase & Other Payments	193,400	193,400	193,400	193,400	193,400			193,400
Subtotal Capital Improvements		9,029,193	7,478,705	6,678,705	6,478,705	6,478,705	200,000	400,000	5,878,705
Annual Debt Service Payments									1,191,631
GRAND TOTAL									7,070,336
							Less Revenue Budgeted:	School Bldg Grants	(930,336)
								Tower Revenue	(40,000)
									6,100,000

**TABLE 6A**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2017-18**

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

appropriation. See Appendix

## School Bldg Grants Tower Revenue

**TABLE 6B**  
**PROPOSED CAPITAL IMPROVEMENT PLAN 2018-19**

-----STATE AID-----

	Project Title	Total	LoCIP	Town Aid Roads	Building Grants	Other Revenue	General Fund Budget
<b>General Government</b>	Information Technology Reserve	390,293					390,293
	Townwide Fiber Optic Deployment	250,000					250,000
	General Property Improvements	50,000					50,000
	Town Buildings Mechanical Reserve	25,000					25,000
	Town Buildings Sidewalk Replacement & Repairs	25,000					25,000
	Senior & Disabled Center Bldg Energy Management System	100,000					100,000
	Senior & Disabled Center Boiler Replacements	55,000					55,000
	Highway Garage Building Upgrades & Repairs	115,000					115,000
<b>Public Safety</b>	Highway Garage Building Addition	267,500					267,500
	Radio Replacement Reserve	40,000				40,000	-
	Fire Co 1 Energy Efficient Radiant Heat System	40,000					40,000
	Fire Co 2, 3, 4 & 5 Energy Efficient Lighting	45,000					45,000
	Fire Dept HQ Energy Efficient A/C Replacement	35,000					35,000
<b>Public Works</b>	Fire Co 4 Fire House Replacement (Land Acquisition)	150,000					150,000
	Fire Co 3 Resurface Bay Floor	35,000					35,000
	Fire Co 1 Bathroom Remodel	50,000					50,000
	Road Resurfacing/Reconstruction	900,000	200,000	400,000			300,000
	Sidewalk Repair	50,000					50,000
<b>Parks And Recreation</b>	Drainage Improvement	25,000					25,000
	Public Building Resurfacing Program	25,000					25,000
	Stonewall Repair	25,000					25,000
	Traffic Signal Repair & Replacement Reserve	25,000					25,000
	Landfill Conversion to Transfer Station	400,000					400,000
<b>Education</b>	Synthetic Turf Replacement Reserve	25,000					25,000
	Park, Pool and Playfield Improvements	95,000					95,000
	Snow Removal/Roadside Mowing Equipment	100,000					100,000
	Beechwood Park Rubber Safety Surface & ADA Compliant Paths	150,000					150,000
	Town Parks ADA Compliant Paths	75,000					75,000
<b>Equipment Replacement</b>	Clem Lemire Legends Field Lighting	250,000				250,000	-
	Appr. To Public School CIP Reserve	125,000					125,000
	J. Wallace Classroom Wings Reconfiguration Phase III of III	1,000,000			500,000		500,000
	School Bus Replacement Program	644,133					644,133
	School Technology Reserve	188,828					188,828
<b>Subtotal Capital Improvements</b>	School Entrances (Reconfiguration)	300,000					300,000
	Equipment Replacement Reserve	481,000					481,000
	Lease Purchase & Other Payments	267,400					267,400
<b>Annual Debt Service Payments</b>		<b>6,824,154</b>	<b>200,000</b>	<b>400,000</b>	<b>500,000</b>	<b>290,000</b>	<b>5,434,154</b>
<b>GRAND TOTAL</b>							<b>1,611,081</b>
							<b>7,045,235</b>

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

-----STATE AID-----							
	Project Title	Total	LoCIP	Town Aid Roads	Building Grants	Other Revenue	General Fund Budget
General Government	Information Technology Reserve	424,523					424,523
	Townwide Fiber Optic Deployment	250,000					250,000
	General Property Improvements	50,000					50,000
	Town Buildings Mechanical Reserve	25,000					25,000
	Town Buildings Sidewalk Replacement & Repairs	25,000					25,000
	Highway Garage Building Upgrades & Repairs	115,000					115,000
Public Safety	Highway Garage Building Addition	267,500					267,500
	Radio Replacement Reserve	40,000				40,000	*
	Fire Co 3 Fire House Replacement (Land Acquisition)	150,000					150,000
Public Works	Road Resurfacing/Reconstruction	900,000	200,000	400,000			300,000
	Sidewalk Repair	50,000					50,000
	Drainage Improvement	25,000					25,000
	Public Building Resurfacing Program	25,000					25,000
	Stonewall Repair	25,000					25,000
	Traffic Signal Repair & Replacement Reserve	25,000					25,000
Community Development	2030 Plan of Conservation & Development (POCD)	40,000					40,000
Parks And Recreation	Synthetic Turf Replacement Reserve	25,000					25,000
	Park, Pool and Playfield Improvements	150,000					150,000
	Snow Removal/Roadside Mowing Equipment	120,000					120,000
	NHS Athletic Fields Irrigation System Replacement Ph I of III	180,000					180,000
	Community Center Furniture and Equipment	1,000,000					1,000,000
	Appr. To Public School CIP Reserve	125,000					125,000
Education	J. Wallace Classroom Wings Reconfiguration Bal of Phase II	375,000					375,000
	School Bus Replacement Program	569,133			500,000		69,133 *
	School Technology Reserve	188,828					188,828
	Equipment Replacement Reserve	505,000					505,000
Equipment Replacement	Lease Purchase & Other Payments	267,400					267,400
Subtotal Capital Improvements		5,942,384	200,000	400,000	500,000	40,000	4,802,384
Annual Debt Service Payments							2,418,981
<b>GRAND TOTAL</b>							<b>7,221,365</b>

\* School Building Grants of \$500,000 are included for reimbursement of prior year projects.

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

	Project Title	STATE AID				General Fund Budget
		Total	LoCIP	Town Aid Roads	Building Grants	
General Government	Information Technology Reserve	536,514				536,514
	Townwide Fiber Optic Deployment	750,000				750,000
	General Property Improvements	50,000				50,000
	Town Buildings Mechanical Reserve	25,000				25,000
Public Safety	Town Buildings Sidewalk Replacement & Repairs	25,000				25,000
	Radio Replacement Reserve	40,000			40,000	
Public Works	Road Resurfacing/Reconstruction	900,000	200,000	400,000		300,000
	Sidewalk Repair	50,000				50,000
	Drainage Improvement	25,000				25,000
	Public Building Resurfacing Program	25,000				25,000
	Stonewall Repair	25,000				25,000
	Traffic Signal Repair & Replacement Reserve	25,000				25,000
Parks And Recreation	Synthetic Turf Replacement Reserve	25,000				25,000
	Park, Pool and Playfield Improvements	150,000				150,000
	NHS Athletic Fields Irrigation System Replacement Ph II of III	300,000				300,000
	Churchill Park Upper Pavilion	150,000				150,000
Education	Appr. To Public School CIP Reserve	125,000				125,000
	School Bus Replacement Program	644,133		500,000		144,133
	School Technology Reserve	188,828				188,828
	School Entrances (Reconfiguration)	300,000				300,000
Equipment Replacement	Equipment Replacement Reserve	530,000				530,000
	Lease Purchase & Other Payments	420,994				420,994
<b>Subtotal Capital Improvements</b>		<b>5,310,469</b>	<b>200,000</b>	<b>400,000</b>	<b>500,000</b>	<b>40,000</b>
<b>Annual Debt Service Payments</b>						<b>3,231,431</b>
<b>GRAND TOTAL</b>						<b>7,401,900</b>

\* School Building Grants of \$500,000 are included for reimbursement of prior year projects.

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

		STATE AID				
		Total	LoCIP	Town Aid Roads	Other Revenue	General Fund Budget
General Government	Information Technology Reserve	347,367				347,367
	General Property Improvements	50,000				50,000
	Town Buildings Mechanical Reserve	25,000				25,000
	Town Buildings Sidewalk Replacement & Repairs	25,000				25,000
Public Safety	Radio Replacement Reserve	40,000			40,000	-
Public Works	Road Resurfacing/Reconstruction	900,000	200,000	400,000		300,000
	Sidewalk Repair	50,000				50,000
	Drainage Improvement	25,000				25,000
	Public Building Resurfacing Program	25,000				25,000
Parks And Recreation	Stonewall Repair	25,000				25,000
	Traffic Signal Repair & Replacement Reserve	25,000				25,000
	Synthetic Turf Replacement Reserve	25,000				25,000
	Park, Pool and Playfield Improvements	150,000				150,000
Education	NHS Athletic Fields Irrigation System Replacement Ph III of III	300,000				300,000
	Appr. To Public School CIP Reserve	125,000				125,000
	School Bus Replacement Program	644,133				644,133
	School Technology Reserve	188,828				188,828
Equipment Replacement	School Entrances (Reconfiguration)	200,000				200,000
	Equipment Replacement Reserve	530,000				530,000
	Lease Purchase & Other Payments	381,188				381,188
Subtotal Capital Improvements		4,081,516	200,000	400,000	40,000	3,441,516
Annual Debt Service Payments						4,145,431
<b>GRAND TOTAL</b>						<b>7,586,947</b>

## **APPENDICES**

**APPENDIX A**

**SUMMARY OF CAPITAL PROJECTS**

Project No.	Description	Date of Approval	Appropriation	Encumbrances	Expenditures	Total	3/3/2017
<i>Public Building Fund Projects (3001)</i>							
88101	Library Expansion/Town Hall Site Plan	4/15/2010	145,000	4,838	49,721	54,560	90,440 **
88305	Parks Storage Barn Roof Replacement	5/8/2012	30,000		23,358	23,358	6,642 *
88307	JW, MK, NHS Career Tech Renovation	5/8/2012	4,622,694	1,070,522	3,222,051	4,292,573	330,121 **
88402	NHS Music Wing/Air Cond Auditorium	4/9/2013	472,648		364,580	364,580	108,068 **
88705	Fire Co 3 Shingled Roof Replacement	4/5/2016	40,000		28,150	28,150	11,850
88706	Fire Co 2 & 3 Chimney Removal	4/5/2016	25,000		12,400	12,400	12,600
88707	J. Wallace Classroom Wings Reconfiguration	4/5/2016	1,000,000			0	1,000,000 **
88804	Town Hall Improvements	4/10/2007	3,470,467	103,520	2,919,004	3,022,524	447,943 **
88908	Historic Properties Upgrades	4/5/2016	25,000		25,000	25,000	0
<b>Subtotal Public Building Fund Projects (3001)</b>			<b>9,830,809</b>	<b>1,178,880</b>	<b>6,644,265</b>	<b>7,823,145</b>	<b>2,007,664</b>
<i>Capital And Non-Recurring Expenditures Fund Projects (3002)</i>							
88031	Computer Assisted Dispatch	4/14/2009	45,000		44,545	44,545	455
88032	Landfill Conversion to Transfer Station	4/14/2009	260,000	85,236	114,951	200,187	59,813
88035	School Concrete Sidewalk Replacement	4/14/2009	40,000		25,694	25,694	14,306
88039	Lease Pmts Recycling Containers	4/15/2010	557,970		556,085	556,085	1,885 *
88111	General Property Improvements	4/15/2010	815,698	1,459	791,500	792,959	22,739
88112	Senior & Disabled Ctr HVAC Replacement	4/15/2010	340,000		307,450	307,450	32,550
88114	Public Building Resurfacing	4/15/2010	420,000	1,147	322,318	323,465	96,535
88115	Market Square Development	4/15/2010	662,146		558,503	558,503	103,643 *
88141	General Government Equip. Res.	4/26/1988	718,480	48,566	613,056	661,622	56,858
88142	Public Safety Equip. Res.	4/26/1988	5,219,856	56,334	5,137,016	5,193,350	26,506
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	1,612,451	53,084	1,453,232	1,506,316	106,134
88146	Equipment Res. Lease Payments	4/26/1988	2,501,418		2,250,707	2,250,707	250,711
88326	Clem Lemire Park Drainage & Paving	5/8/2012	60,000		59,970	59,970	30
88327	Mill Pond Park Playground Surface Repl.	5/8/2012	80,000		80,000	80,000	0
88328	High School Tennis Courts	5/8/2012	500,000		489,266	489,266	10,734 *
88329	National Welding Engineering Services	5/8/2012	320,000		11,559	11,559	308,441
88411	Information Technology Reserve	4/27/1993	4,404,780		3,861,916	3,861,916	542,864
88416	Drainage Improvement	4/27/1993	1,157,556	5,625	818,572	824,197	333,359
88422	Town Buildings Mechanical Reserve	4/9/2013	240,519	3,968	206,039	210,007	30,512
88423	Police Records Mgmt/CAD Replacement	4/8/2014	150,000		148,247	148,247	1,754 *
88426	Library Automated Collection Management System	4/9/2013	135,861		130,388	130,388	5,473
88427	Mill Pond Park Renovation Study	4/9/2013	32,552			0	32,552
88515	Sidewalk Repair	4/26/1994	572,466	16,440	536,276	552,716	19,751
88517	Resurfacing Program - P&G	4/26/1994	240,193		237,132	237,132	3,061
88522	Fire Co. 1 Heating System Replacement	4/8/2014	37,000		36,738	36,738	262
88523	NVA Sidewalk/Drainage/Site Improv.	4/8/2014	38,000		37,030	37,030	970 *
88525	Snow Thrower Attachment for Loader	4/8/2014	75,000		74,904	74,904	96 *
88527	Synthetic Turf Replacement Reserve	4/8/2014	75,000			0	75,000
88526	Recreation Software	4/8/2014	75,000	958	72,942	73,900	1,100
88611	Replacement of Heating & Air Conditioning	6/25/1996	172,505		172,290	172,290	215 *
88618	Fire Dept SCBA Replacement	4/21/2015	475,000		475,000	475,000	0
88619	Fire Co 1 Breathing Air System Replacement	4/21/2015	65,000		52,700	52,700	12,300

\*\* Building Committee exists

\* Balances from various completed capital improvement projects will be transferred to offset the General Fund appropriation for FY 2017-18. See Table 6A.

**APPENDIX A**

**SUMMARY OF CAPITAL PROJECTS**

Project No.	Description	Date of Approval	Appropriation	Encumbrances	Expenditures	Total	3/3/2017
88620	Fire Co 2 Breathing Air System Replacement	4/21/2015	65,000		53,630	53,630	11,370
88621	Fire Co 2 & 3 Replacement Emergency Generators	4/21/2015	58,000		57,910	57,910	90
88622	Fire Co 2 & 3 Heating System Replacements	4/21/2015	47,000		46,218	46,218	782
88624	General Property School Improvements	4/21/2015	300,000	4,605	273,322	277,927	22,073
88625	School Bus	4/21/2015	200,000	95,970	95,299	191,269	8,731
88626	School Technology	4/21/2015	377,656	163,120	188,618	351,738	25,918
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			0	70,000
88723	SDC Asbestos & Lead Abatement	4/5/2016	290,000		201,004	201,004	88,997 *
88724	Highway Garage HVAC Conversion to Natural Gas	4/5/2016	215,000	688	69,264	69,951	145,049
88725	Parks Garage Boiler & HVAC Rpl	4/5/2016	70,000	61	69,939	70,000	0
88726	Fire Dept Personal Protective Equipment	4/5/2016	72,000	3,878	68,122	72,000	0
88727	Fire Dept 5" Hose Replacement	4/5/2016	30,000		29,997	29,997	3
88728	Stonewall Repair	4/5/2016	25,000	8,314	11,686	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		68	68	99,932
88811	Park, Pool & Playground Improvements	4/28/1987	1,213,660	132,344	1,045,759	1,178,103	35,557
88819	Road Reconstruction	4/10/2007	3,007,572		2,934,194	2,934,194	73,377
88911	Tax Revaluation Reserve	6/22/1999	1,044,940	7,600	1,008,624	1,016,224	28,716
88916	Traffic Signalization Reserve	6/22/1999	231,550	3,450	107,914	111,364	120,186
88926	Radio Replacement Reserve	4/10/2007	389,132	3,932	315,454	319,386	69,747
88931	OCR Compliance	4/8/2008	2,781,253	14,000	2,460,059	2,474,059	307,194 **
<b>Subtotal Capital And Non-Recurring Expenditures Fund</b>			<b>37,402,893</b>	<b>710,780</b>	<b>33,115,594</b>	<b>33,826,373</b>	<b>3,576,519</b>
<i>Public School Capital Improvement Projects Reserve Fund (3003)</i>							
88152	Districtwide Lighting Improvement	4/15/2010	50,000			0	50,000
88354	Districtwide Corridors/Exterior Doors	5/8/2012	25,000			0	25,000
88355	Districtwide Bathroom Renovations	5/8/2012	135,000		75,000	75,000	60,000
88356	Districtwide Playground Renovations	5/8/2012	135,000		119,743	119,743	15,257
88452	Districtwide Security and Safety	4/9/2003	137,265	35,053	77,786	112,839	24,426
88453	Districtwide Furniture Replacement	4/9/2003	78,097	9,711	58,097	67,808	10,289
88550	Career Tech/STEM Facility Modifications	4/21/2015	75,000			0	75,000
88555	Technology	2/8/2005	163,175		50,000	50,000	113,175
88651	System-wide Air Conditioning Installation	4/12/2005	169,957		64,957	64,957	105,000
88754	Arts Facility Modifications	4/5/2016	100,000	50,000		50,000	50,000
88755	JWMS Wing Improvements	4/5/2016	100,000			0	100,000
88756	Districtwide Underground Storage Tanks	4/5/2016	60,000	20,020		20,020	39,980
88757	Districtwide Roof Reserve	4/5/2016	210,000			0	210,000
88758	Districtwide Blacktop/Paving	4/5/2016	50,000		7,075	7,075	42,925
88851	Athletic Improvements	4/10/2007	350,895		340,895	340,895	10,000
88957	Painting	4/14/1998	351,195	15,000	333,115	348,115	3,081
88959	Carpet Replacement	4/13/1999	278,621		252,230	252,230	26,391
<b>Subtotal Public School Capital Improvement Projects</b>			<b>2,469,206</b>	<b>129,784</b>	<b>1,378,898</b>	<b>1,508,682</b>	<b>960,524</b>
<b>Total</b>			<b>49,702,907</b>	<b>2,019,444</b>	<b>41,138,756</b>	<b>43,158,200</b>	<b>6,544,707</b>

\*\* Building Committee exists

\* Balances from various completed capital improvement projects will be transferred to offset the General Fund appropriation for FY 2017-18. See Table 6A.

## Appendix B

### Projected Use of the Public School CIP Reserve Fund Capital Improvement Plan 2015-2016 through 2020-2021

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 2017-2018 THROUGH 2021-2022**

PROJECT TITLE	ESTIMATED	ADOPTED	PROPOSED CAPITAL IMPROVEMENT PLAN			
	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Opening reserve	1,102,521	744,521	724,521	729,521	709,521	689,521
Appropriation from General Fund	125,000	125,000	125,000	125,000	125,000	125,000
Investment income	4,000	1,500	1,450	1,460	1,420	1,380
Tuition Receipts	250,000	150,000	150,000	150,000	150,000	150,000
School Rental Receipts	63,000	73,500	73,550	73,540	73,580	73,620
<b>Total available</b>	<b>1,544,521</b>	<b>1,094,521</b>	<b>1,074,521</b>	<b>1,079,521</b>	<b>1,059,521</b>	<b>1,039,521</b>
Less program projects:						
District-Wide Air Conditioning	50,000	15,000	25,000	25,000	25,000	25,000
Painting	50,000	25,000	25,000	50,000	50,000	50,000
District-Wide Technology	50,000	50,000	50,000	50,000	50,000	50,000
Carpet/Flooring Replacement	50,000	25,000	25,000	25,000	25,000	25,000
Security and Safety	50,000	25,000	25,000	25,000	25,000	25,000
District-Wide Furniture Upgrades	35,000	10,000	10,000	10,000	10,000	10,000
Athletic Improvements	10,000	10,000	10,000	50,000	50,000	50,000
District-Wide Bathroom Renovations	50,000	25,000	50,000	50,000	50,000	50,000
Arts Facility Modifications	100,000	20,000	20,000	75,000	75,000	75,000
District-Wide Playground Renovations	10,000	10,000	10,000	10,000	10,000	10,000
District-Wide Lighting Improvements	50,000	20,000	20,000			
JWMS Wing Improvements	100,000	50,000	50,000			
District-Wide Underground Storage Tanks	60,000	25,000	25,000			
District-Wide Roof Reserve	60,000	25,000				
District-Wide Corridor/Exterior Doors	25,000	25,000				
District-Wide Blacktop/Paving	50,000	10,000				
<b>Total</b>	<b>800,000</b>	<b>370,000</b>	<b>345,000</b>	<b>370,000</b>	<b>370,000</b>	<b>370,000</b>
<b>Ending Reserve</b>	<b>744,521</b>	<b>724,521</b>	<b>729,521</b>	<b>709,521</b>	<b>689,521</b>	<b>669,521</b>

**APPENDIX C-1**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2017-2018**

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
Bridle Path	1,066	48,000
Church Terrace	486	17,000
Connecticut Avenue (Whitewood to Atwood)	1,631	78,000
Deming Street (Deming Farms to Culver)	1,961	88,000
Eagle Drive	2,945	133,000
Eckert Road	758	34,000
Evergreen Road	870	39,000
Field Street	1,924	87,000
Foster Street	1,549	70,000
Hemlock Street	859	39,000
Meadow Street (Orchard to Bridle)	288	13,000
Old Hatchery Lane	579	26,000
Orchard Avenue (Kelsey to Stonehedge)	1,277	57,000
Spur Lane	499	22,000
Standard Street	866	39,000
Styles Avenue (Maple Hill to Henry)	1,118	50,000
Vineyard Avenue (Kelsey to Foster)	518	22,000
Total Pavement Resurfacing Program	<u>19,896</u>	<u>894,000</u>
Crack Seal Program		6,000
ESTIMATED TOTAL COST OF COMPREHENSIVE ROAD PLAN		<u>900,000</u>
ESTIMATED FINANCING FROM LoCIP		0
ESTIMATED FINANCING FROM TOWN AID FOR ROADS GRANT		400,000
ESTIMATED FINANCING FROM GENERAL FUND		<u>500,000</u>
		<u>900,000</u>

**APPENDIX C-2**  
**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>
PAVEMENT RESURFACING PROGRAM (VENDOR)		
Berkshire Drive	681	31,000
Cedar Ridge Road	2,116	83,000
Copper Beech Lane	628	28,000
Glenview Drive	2,323	105,000
Holmes Road	1,845	111,000
Middlebrook Road	928	42,000
Pane Road (Rockwell to Turnpike)	2,271	136,000
Red Rock Circle	645	29,000
Ridgewood Road	712	32,000
Roseleah Avenue	1,279	46,000
Rosewood Drive	1,278	58,000
Schoolhouse Road (Middlebrook to Middlebrook)	1,621	73,000
Thomas Street	355	15,000
Tremont Street (Boylston to Red Rock)	2,245	101,000
Total Pavement Resurfacing Program	<u>18,926</u>	<u>890,000</u>
Crack Seal Program		10,000
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-3**  
**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>
PAVEMENT RESURFACING PROGRAM (VENDOR)		
Chapman Street (Summit to Summit)	631	27,000
Cheney Lane	2,114	95,000
Connecticut Avenue (Atwood to Hall)	944	45,000
Dartmouth Place	1,039	37,000
Deming Street (Turnpike to Culver)	1,487	112,000
Fairfield Avenue	722	26,000
Fennwood Circle	506	23,000
Francis Avenue	3,112	140,000
Green Avenue	743	33,000
Isabelle Terrace	664	26,000
Olive Street	763	27,000
Patriot Lane	1,515	68,000
Rockwell Road	2,151	116,000
Spruce Street	865	39,000
Summit Street (Chapman to end)	402	16,000
Wakeley Road	921	41,000
Total Pavement Resurfacing Program	<u>18,577</u>	<u>871,000</u>
Crack Seal Program		29,000
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-4**  
**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>
PAVEMENT RESURFACING PROGRAM (VENDOR)		
Bayberry Road	1,036	47,000
Brockett Street (Kitts to Turnpike)	512	23,000
Clifford Street	1,202	54,000
Coles Avenue	1,144	51,000
Dowd Street (Willard to Farmstead)	1,615	73,000
Flagler Street	1,690	76,000
James Street	522	22,000
Kitts Lane (Robbins to Turnpike)	1,459	66,000
Lydall Road	1,572	71,000
Progress Circle	867	39,000
Robbins Avenue (Maple Hill to Willard)	3,468	208,000
Schoolhouse Road (Middlebrook to Superior)	1,027	46,000
Stuart Street	1,327	48,000
West Hill Road	1,487	76,000
Total Pavement Resurfacing Program	<u>18,928</u>	<u>900,000</u>
Crack Seal Program		<u>0</u>
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-5**  
**CAPITAL IMPROVEMENT PLAN**  
**COMPREHENSIVE ROAD PLAN --- FY 2021-2022**

ROAD CONSTRUCTION	<u>L.F.</u>	<u>ESTIMATED COST</u>
Total Road Construction Program	0	0
PAVEMENT RESURFACING PROGRAM (VENDOR)		
Burdon Lane	656	30,000
Bushy Hill Drive	751	34,000
Cinnamon Road	951	43,000
Fleetwood Road	1,348	61,000
Golf Street	1,523	55,000
Maple Hill Avenue (New Britain to Robbins)	2,428	131,000
North Mountain Road	3,294	148,000
Nutmeg Lane	365	16,000
Pascone Place	1,905	114,000
Sequin Street	1,163	42,000
Settlers Knoll	1,365	61,000
Walnut Street	1,071	39,000
West Hartford Road	1,632	88,000
Woods Way	747	34,000
Total Pavement Resurfacing Program	<u>19,198</u>	<u>896,000</u>
Crack Seal Program		4,000
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 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 2019-2020, FY 2020-2021 and FY 2021-2022, 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 2016-2017	COUNCIL ADOPTED 2017-2018	PROPOSED CAPITAL IMPROVEMENT PLAN			
	2018-2019	2019-2020	2020-2021	2021-2022		
Opening Reserve Balance	200,965	146,503	81,525	30,074	(38,466)	(211,780)
Appropriation From General Fund						
Lease Payment	193,400	267,400	267,400	267,400	420,994	381,188
Annual Depreciation Funding	436,000	458,000	481,000	505,000	530,000	530,000
Total Funds Available	830,365	871,903	829,925	802,474	912,528	699,408
Less Proposed Equipment Expenditures:						
Equipment Purchases	563,000	522,978	532,451	573,540	703,314	496,046
Lease Payments for Fire Rescue R1 (July 2015)	119,400	119,400	119,400	119,400	119,400	
Lease Payments for Fire Pumper E1 (Jan 2017)	74,000	148,000	148,000	148,000	148,000	74,000
Lease Payments for Fire Aerial T2 (Jan 2021)					153,594	307,188
Total Proposed Equipment Expenditures	756,400	790,378	799,851	840,940	1,124,308	877,234
Ending Reserve Balance	73,965	81,525	30,074	(38,466)	(211,780)	(177,826)

## GENERAL GOVERNMENT

Funding is available to purchase a replacement for Unit #630, a Ford E350 F Econoline and #9751 a Honda Civic Hybrid.

## APPENDIX D

## GENERAL GOVERNMENT

USER	VEH. ID.	MAKE	MODEL	VEH. YEAR	PURCHASE PRICE	ANNUAL DEPRECI- ATION	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, 2021						
												2017	2018	2019	2020			
DIAL/RIDE	630	Ford	E450 F Econoline	2008	61,361	8,249	9	0	69,086	69,086		69,086	0	0	0	0		
DIAL/RIDE	9751	HONDA	CIVIC HYBRID	2005	20,247	3,681	12	0	30,153	30,153		30,153	0	0	0	0		
FACILITY	719	Chevrolet	Silverado 1500 w/cap	2005	8,800	2,287	13	1	34,279	35,479		0	35,479	0	0	0		
HUM. SVC.	806	FORD	E350 VAN	2006	21,496	3,212	13	2	32,021	34,302		0	0	34,302	0	0		
BLDG.	752	HONDA	CIVIC HYBRID	2007	21,580	3,829	12	2	30,153	32,300		0	0	32,300	0	0		
DIAL/RIDE	631	Ford	E450 F Econoline	2009	61,361	8,249	11	3	67,275	74,589		0	0	0	74,589	0		
HUM. SVC.	753	HONDA	CIVIC HYBRID	2007	21,580	3,829	13	3	30,153	33,431		0	0	0	33,431	0		
Pool	7171	DODGE	CHARGER	2007	23,662	3,773	14	4	33,452	38,387		0	0	0	0	38,387		
Pool	704	FORD	Escape Hybrid	2009	28,784	4,596	13	5	34,186	40,602		0	0	0	0	0		
Gen Govt	73701	FORD	Explorer	2013	32,045	4,959	9	5	35,529	42,198		0	0	0	0	0		
DIAL/RIDE	634	FORD	E350	2014	63,895	8,498	9	6	70,842	87,082		0	0	0	0	0		
DIAL/RIDE	635	Chevrolet	4500 Express	2016	62,680	6,876	9	8	62,680	82,538		0	0	0	0	0		
HUM. SVC.	802	Chevrolet	Express Van G3500	2017	32,332	2,628	12	12	32,332	48,856		0	0	0	0	0		
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	64,666							0	99,239	35,479	66,602	108,020	38,387

- (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 #199, a Wells Cargo Utility Trailer (this is in addition to funding from FY 2016-17, which was insufficient to replace this vehicle) and for Unit #107, a Ford Taurus SEL.

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. YEAR	PURCHASE PRICE	ANNUAL DEPREC- IATION	ANTIC- LIFE CYCLE	EST. YEARS RE- MAINING	CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1, 2021				
												2017	2018	2019	2020	2021
POLICE	107	FORD	TAURUS SEL	2010	25,309	4,043	7	0	31,112	31,112	31,112	0	0	0	0	0
ERT	199	WELLS CARGO	UTILITY TRAILER CC	2001	20,990		16	0	98,001	98,001	3,001	0	0	0	0	0
POLICE	117	FORD	EXPLORER	2011	31,687	4,954	7	1	37,635	38,952	0	38,952	0	0	0	0
POLICE	127	CHEVROLET	EQUINOX	2011	28,913	4,558	7	1	34,339	35,541	0	35,541	0	0	0	0
CANINE	172	FORD	F250	2007	27,000	3,895	12	2	36,264	38,847	0	0	38,847	0	0	0
POLICE	126	FORD	TAURUS SEL AWD	2011	27,167	4,308	8	2	32,266	34,564	0	0	34,564	0	0	0
POLICE	116	FORD	TAURUS SEL AWD	2011	23,644	3,805	8	2	29,067	31,137	0	0	31,137	0	0	0
POLICE	137	KUSTOM SIGNAL	TRAFFIC TRAILER	2004	13,635	1,416	16	3	23,930	26,532	0	0	0	26,532	0	0
POLICE	138	FORD	FUSION	2014	21,445	3,491	6	3	23,777	26,362	0	0	0	26,362	0	0
POLICE	147	FORD	EXPLORER	2014	32,134	5,018	7	4	36,188	41,526	0	0	0	0	0	41,526
POLICE	140	CHEVROLET	CAPRICE	2014	28,179	4,453	7	4	31,243	35,851	0	0	0	0	0	35,851
ADMIN	148	FORD	TAURUS	2014	25,682	4,096	8	5	28,474	33,818	0	0	0	0	0	0
POLICE	156	FORD	EXPLORER	2015	29,911	4,700	8	6	32,042	39,387	0	0	0	0	0	0
ADMIN	157	FORD	EXPLORER	2015	29,911	4,700	8	6	32,042	39,387	0	0	0	0	0	0
ADMIN	166	FORD	EXPLORER	2016	29,763	4,679	8	7	29,763	37,867	0	0	0	0	0	0
ADMIN	167	FORD	EXPLORER	2016	29,763	4,679	8	7	29,763	37,867	0	0	0	0	0	0
ERT	178	CHEVROLET	SILVERADO K3500	2017	35,664	5,522	8	8	35,664	46,963	0	0	0	0	0	0
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	68,315					0	34,113	74,493	104,548	52,894	77,377

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.

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	ANNUAL DEPREC- IATION	ANTIC- EST.LIFE		CURRENT REPL. COST	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1,						
							LIFE CYCLE	RE- MAINING				2017	2018	2019	2020	2021		
FIRE	223	PIERCE	RESCUE R1	2017	704,900		25	25	704,900	1,665,851	119,400	0	119,400	119,400	119,400	0		
FIRE	208	PIERCE	PUMPER E1	1995	259,896		21	0	700,000	700,000	148,000	0	148,000	148,000	148,000	74,000		
FIRE	215	DODGE	RAM 3500 (To be refurbished)	1994	28,506		24	1	27,053	28,000	0	28,000	0	0	0	0		
FIRE	212	PIERCE	AERIAL T2	1997	540,000		23	3	1,287,938	1,427,960	0	0	0	0	153,594	307,188		
FIRE	201	FORD	EXPLORER	2014	32,134	2,448	7	4	35,628	50,000	0	0	0	0	0	50,000		
FIRE	242	PIERCE	DASH PUMPER E2	2003	383,568		20	6	605,720	744,585	0	0	0	0	0	0		
FIRE	202	Chevrolet	Tahoe	2016	45,980	2,623	8	7	45,980	58,499	0	0	0	0	0	0		
FIRE	222	FORD	F350 P/U	2010	40,524	1,235	15	8	48,130	83,377	0	0	0	0	0	0		
FIRE	252	KENWORTH	RESC TAC 2	2006	262,800		20	9	365,214	497,750	0	0	0	0	0	0		
FIRE	214	WINNEBAGO	WFG37S CMD CTR	2001	150,000	3,750	26	10	196,567	277,277	0	0	0	0	0	0		
FIRE	213	PIERCE	PUMPER E3	2008	496,450		20	11	637,740	951,081	0	0	0	0	0	0		
FIRE	224	PIERCE	PUMPER E4	2013	621,288		20	16	665,539	1,174,036	0	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													
				<u>TOTAL</u>	<u>5,394,858</u>	<u>10,055</u>												
													267,400	0	295,400	267,400	420,994	431,188

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 replacements for Unit #313, a Sterling Dump Truck and Unit #305, a Chevrolet Pickup Truck (this is in addition to funding from FY 2013-14, which was insufficient to replace this vehicle). Also, Unit #330, a Braga 9-ton Trailer will be fully depreciated in FY 2017-2018. This will leave funding available to purchase a new Bobcat.

## APPENDIX D

## HIGHWAY

USER	VEH. ID.	MAKE	MODEL	VEH. PURCHASE YEAR	ANNUAL DEPRECI-ATION	IPATED LIFE YEARS	CURRENT RE-MAINING	PROJECTED REPL. COST	Lease & Other Payments	VEHICLES TO BE REPLACED DURING THE FISCAL YEAR BEGINNING JULY 1,					
										2017	2018	2019	2020	2021	
HWY	313	STERLING	DUMP TRUCK	2001	89,386	6,159	16	0	202,826	202,826	0	0	0	0	
HWY	330	BRAGA	9-TON TRAILER	2000	15,000	1,569	17	0	42,000	42,000	0	0	0	0	
HWY	305	CHEVROLET	Pickup Truck (Svc Veh)	2000	18,574		16	0	59,000	59,000	20,000	0	0	0	
HWY	358	CAT	LOADER 938	1999	96,500	4,885	19	1	157,332	162,839	0	162,839	0	0	
HWY	335	FORD	F350 Dump	2008	39,075	4,921	10	1	34,485	49,000	0	49,000	0	0	
HWY	304	FORD	F350 P/U with plow	2008	27,104	3,591	10	1	39,071	42,000	0	42,000	0	0	
TRAFFIC	317	STERLING	DUMP TRUCK	2003	93,000	6,260	16	2	200,872	215,179	0	0	215,179	0	
HWY	306	FORD	F350 P/U w/plow & sander	2010	32,706	3,856	9	2	38,845	41,611	0	0	41,611	0	
HWY	356	ODB	LCT600 Leaf Collector	2005	15,993	1,953	14	2	23,023	24,662	0	0	24,662	0	
HWY	333	ATHEY	SWEeper	2000	81,000	8,435	20	3	203,000	225,070	0	0	0	225,070	
HWY	323	STERLING	DUMP TRUCK	2004	94,328	6,343	16	3	202,827	224,878	0	0	0	224,878	
HWY	318	STERLING	DUMP TRUCK	2006	100,932	6,756	15	4	202,827	232,749	0	0	0	232,749	
HWY	321/347	INTERNATIONAL	DUMP TRUCK (CB) w/VACALL LV	1999	207,000	14,035	23	5	221,744	263,362	0	0	0	0	
HWY	334	ATHEY	SWEeper	2000	81,000	8,435	22	5	203,000	241,100	0	0	0	0	
HWY	348	CATERPILLAR	BACKHOE	2006	103,962	6,945	16	5	136,897	162,591	0	0	0	0	
HWY	359	CATERPILLAR	LOADER 935	2000	97,000	4,908	22	5	127,731	151,705	0	0	0	0	
HWY	328	DYNAPAK	ROLLER	2003	55,480	3,020	20	6	122,069	150,054	0	0	0	0	
HWY	307	FORD	F450	2007	38,614	3,017	16	6	50,846	62,503	0	0	0	0	
HWY	309	CHEVROLET	SILVERADO 3500	2013	44,618	4,897	10	6	47,796	58,754	0	0	0	0	
HWY	3701	FORD	Explorer	2016	33,580	5,318	8	7	33,580	42,723	0	0	0	0	
HWY	325	STERLING	L7500	2008	114,159	7,582	16	7	145,242	184,788	0	0	0	0	
TRAFFIC	326	STERLING	L7500	2008	114,159	7,582	16	7	145,242	184,788	0	0	0	0	
HWY	340	CATERPILLAR	DOZER	2001	29,500	1,787	23	7	31,602	40,206	0	0	0	0	
HWY	336	INTERSTATE	TRAILER	2006	18,002	1,807	18	7	23,706	30,160	0	0	0	0	
HWY	312	FREIGHTLINER	DUMP TRUCK w/plow	2010	145,090	10,108	15	8	202,827	267,084	0	0	0	0	
HWY	316	CHEVROLET	Silverado 3500 w/plow	2015	44,040	4,839	10	8	45,581	60,022	0	0	0	0	
HWY	302	CHEVROLET	Silverado 3500	2015	38,617	4,297	10	8	39,969	52,631	0	0	0	0	
HWY	352	ODB	LCT600 Leaf Collector	2011	21,657	1,879	15	9	25,722	35,056	0	0	0	0	
HWY	354	ODB	LCT600 Leaf Collector	2011	21,657	1,879	15	9	25,722	35,056	0	0	0	0	
HWY	355	ODB	LCT600 Leaf Collector	2011	21,657	1,879	15	9	25,722	35,056	0	0	0	0	
HWY	320	FREIGHTLINER	Dump Truck w/plow	2012	165,254	11,452	15	10	183,220	258,450	0	0	0	0	
HWY	353	ODB	LCT600 Leaf Collector	2012	22,653	1,945	15	10	25,115	35,428	0	0	0	0	
HWY	332	DOOSAN	Air Compressor P185WJDT41	2012	20,585	1,807	15	10	22,823	32,194	0	0	0	0	
HWY	362	LEEBOY	L1000T Paver	2008	58,880	3,429	20	11	74,912	109,370	0	0	0	0	
HWY	364	Falcon RME	P4D2RID Asphalt Recycler	2014	28,058	2,439	14	11	31,108	45,417	0	0	0	0	
HWY	341	FREIGHTLINER	DUMP TRUCK w/plow	2014	178,579	12,340	15	12	191,298	289,064	0	0	0	0	
HWY	342	FREIGHTLINER	DUMP TRUCK w/plow	2014	178,579	12,340	15	12	191,298	289,064	0	0	0	0	
HWY	343	FREIGHTLINER	DUMP TRUCK w/plow	2015	178,579	12,340	15	13	191,298	299,182	0	0	0	0	
HWY	344	FREIGHTLINER	DUMP TRUCK w/plow	2017	181,452	12,678	15	15	181,452	303,995	0	0	0	0	
HWY	345	CAT	WHEEL LOADER	2014	249,841	12,977	20	17	277,003	497,131	0	0	0	0	
HWY	365	SnoGo	MK-800 loader mount snowblower	2014	74,237	4,297	20	17	82,308	147,717	0	0	0	0	
HWY	329	FREIGHTLINER	TRI-AXLE	2016	157,102	6,025	29	28	157,102	411,634	0	0	0	0	
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	LEEBOY	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	242,813									
										0	264,826	253,839	281,452	449,948	232,749

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 #409, a Jacobsen Riding Mower and Unit #420, a Holland Farm Tractor (this is in addition to funding from FY 2016-17, which was insufficient to replace this vehicle).

## APPENDIX D

## PARKS

GRAND TOTAL  
COUNT

$$\begin{array}{r} 458,000 \\ \hline 159 \end{array}$$

267,400 522,978 799,851 840,940 1,124,308 877,234

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