Section XI: Capital Investment

INTRODUCTION

A crucial aspect of the Town's operations, from providing services to its residents and businesses to equipping employees to effectively perform their jobs, requires the existence of certain basic physical assets. These assets include streets, water mains, parks, buildings, large equipment and technology. They must be purchased, maintained and replaced on a timely basis or their usefulness in providing public services will diminish. The Town's five-year Capital Improvements Program and annual Capital Budget are developed to ensure adequate capital investment in the Town's assets.

DEFINITION OF CAPITAL PROJECTS

A capital project is defined as a major, non-recurring expenditure that generally meets all of the following criteria:

- Massachusetts General Laws permit the Town to issue bonds to finance the expenditure;
- The expenditure is $25,000 or more;
- The expenditure will have a useful life of 10 years or more for buildings or building components and 5 years for vehicles and equipment; and
- Planning, engineering, or design services may be considered capital when such services are integral to a construction, renewal, or replacement project that meets the criteria for a capital expenditure.

CAPITAL POLICY FRAMEWORK

The FY2017 Capital Budget was developed within the capital policy framework initially adopted by the Board of Selectmen in 1991, and subsequently amended in 2006 and 2009 to ensure adequate planning and funding for capital investment, particularly cash capital projects within the general fund. This capital investment strategy includes the following major elements:

- Multi-year planning for capital investment;
- Debt exclusions for major capital projects; and
- Ensuring sufficient operating budget resources for maintaining capital assets.

FIVE-YEAR CAPITAL PROGRAM

Five-year capital improvement planning has been part of Lexington's budget development process for many years. Multi-year planning allows proper staging and sequencing of capital projects to smooth financing plans and to make funding needs more predictable. Capital investment requirements can vary, involving unique large projects such as a fire vehicle or a school building. Other capital investment needs are recurring such as the annual program to resurface roadways.

The five-year Capital Improvement Program includes all anticipated capital projects identified by school and municipal departments over the next five years.

The following are potential funding sources for financing the Town's capital investments:

- **Cash Financing** – The Town regularly appropriates available funds (i.e., cash financing) from the general and enterprise funds to finance certain capital investment projects. Examples of available funds are unreserved fund balance (free cash), tax levy, enterprise fund retained earnings, specialized stabilization funds and, when available, unexpended balances of prior years' capital articles.

- **Debt** – The Town has traditionally financed large dollar value capital projects with debt. Depending upon the project, the debt service resulting from debt-funded capital projects can be financed from a variety of sources including the General Fund (either within the Levy Limit or from a voter approved Proposition 2 ½ debt exclusion), Enterprise and Revolving Funds or the Community Preservation Fund (see discussion of the CPA below).

- **Other Sources** – The Town uses dedicated state aid and grant funding to finance capital investment when these funds are available.

- **Community Preservation Act (CPA) Funds** – Beginning in FY07, following voter approval, the Town began to assess a Community Preservation Surcharge of 3% of the property tax levied against all taxable real property. For owners of residential property, the assessed value used to calculate the surcharge is net of a $100,000 residential exemption. Community Preservation funds can be used for those purposes defined by the Community Preservation Act, MGL Ch. 44B. Such purposes include the acquisition and preservation of open space, the creation and support of community (affordable) housing, the acquisition and preservation of historic resources, and the creation and support of recreational facilities. Beginning in FY08, the Town began to receive State matching funds to supplement the local surcharge. Receipts for FY16 from the surcharge and state matching funds are preliminarily estimated at $5 million.

FY 2017 CAPITAL FINANCING STRATEGY

The proposed financing plan for the recommended FY2017 capital budget is shown in the table below.

Capital Requests Summary

	Free Cash / Tax Levy	Other Financing Sources [1]	Debt	Total
General Fund	$ 5,294,164	$ -	$ 6,970,507	$ 12,264,671
Proposed Excluded Debt Projects	$ -	$ -	$ 67,356,000	$ 67,356,000
Chapter 90/Other Funding	$ -	$ 8,853,790	$ -	$ 8,853,790
Water Enterprise	$ -	$ 220,500	$ -	$ 220,500
Sewer Enterprise	$ -	$ 177,500	$ 1,768,000	$ 1,945,500
Recreation Enterprise	$ -	$ 65,000	$ -	$ 65,000
Community Preservation Act [2]	$ -	$ 1,398,644	$ -	$ 1,398,644
Total (all Funds)	**$ 5,294,164**	**$ 10,715,434**	**$ 76,094,507**	**$92,104,105**

[1] Chapter 90/Other Funding includes $973,165 in Chapter 90 Aid for street improvements, $850,000 of private funding for the Cary Library Internal Reconfiguration project, $230,625 from the Parking Meter Fund for parking meter replacements, $30,000 from the Traffic Mitigation Stabilization Fund for Transportation Mitigation, and $6,550,000 in state funding for the Massachusetts Avenue-3 Intersections Improvement

[2] Includes both Town and non-Town CPA funded projects.

The following table, FY2017 Recommended Capital Budget, lists all FY2017 projects recommended by the Town Manager for consideration and their estimated costs by program area and funding source. The Capital Expenditures Committee has also been evaluating these requests and will issue a report and recommendations to Town Meeting.

FY 2017 Recommended Capital Budget

Department	Project Description	Recommendation	Requested Funding Source(s)
Economic Development	Parking Meter Replacements - Phase 2	$ 230,625	Parking Meter Fund
Economic Development	Grain Mill Alley Improvements	$ 214,114	CPA
Conservation	Wright Farm Barn Needs Assessment and Feasibility Study	$ 35,000	CPA
Traffic Safety Group (TSG)	Transportation Mitigation	$ 30,000	Traffic Mitigation Stab. Fund
Total Community / Economic Development		**$ 509,739**	
Fire & Rescue	Ladder Truck Replacement	$ 875,000	GF Debt
Fire & Rescue	Public Safety Radio Stabilization	$ 90,000	Free Cash
Total Public Safety		**$ 965,000**	
Library	Cary Library Internal Reconfiguration Project	$ 850,000	Private Funding
Rec.& Community Programs	Pine Meadows Improvements	$ 65,000	Recreation RE
Rec.& Community Programs	Park and Playground Improvements	$ 75,000	CPA
Rec.& Community Programs	Town Pool Renovation	$ 166,000	CPA
Rec.& Community Programs	Park Improvements - Athletic Fields	$ 120,000	CPA
Rec.& Community Programs	Park Improvements- Hard Court Resurfacing	$ 61,000	CPA
Rec.& Community Programs	Granite Forest at Lincoln Park	$ 30,000	CPA
Total Culture and Recreation		**$ 1,367,000**	
Public Facilities	Townwide Roofing Program	$ 176,400	GF Debt
Public Facilities	Fire HQ Exercise Room	$ 80,000	Tax Levy
Public Facilities	School Building Envelopes and Systems Program	$ 215,000	Free Cash
Public Facilities	LHS Heating Systems Upgrade	$ 500,000	GF Debt (Exempt)
Public Facilities	Municipal Building Envelopes and Systems	$ 187,329	Tax Levy
Public Facilities	Building Flooring Program	$ 150,000	Free Cash
Public Facilities	Public Facilities Bid Documents	$ 100,000	Free Cash
Public Facilities	Hastings School Renovation/Replacement	$ 1,050,000	GF Debt (Exempt)
Public Facilities	Diamond Middle School Renovations -Construction	$ 44,541,900	GF Debt (Exempt)
Public Facilities	Clarke Middle School Renovations -Construction	$ 21,264,100	GF Debt (Exempt)
Public Facilities	School Traffic Safety Improvements	$ 25,000	Free Cash
Public Facilities	Security Camera Upgrade to Digital from Analog	$ 49,500	Free Cash
Public Facilities	Munroe School Roof	$ 298,000	GF Debt/Lease Revenue
Public Facilities	LHS Security Evaluation and Upgrade	$ 25,000	Free Cash
Public Facilities	LHS Guidance Space Mining - Design	$ 13,800	Free Cash
Public Facilities	LHS Nurse Office and Treatment Space - Design	$ 17,000	Free Cash
Public Facilities	LHS Fitness Center/Athletic Training Floor	$ 41,220	Free Cash
Public Facilities	Munroe Center for the Arts Window Study	$ 30,000	CPA
Total Public Facilities Department		**$ 68,764,249**	

FY 2017 Recommended Capital Budget (continued)

Department	Project Description	Recommendation	Requested Funding Source(s)
Public Works	Center Streetscape Improvements - Phase I	$ 2,700,000	GF Debt
Public Works	DPW Equipment Replacement	$ 755,000	GF Debt/Free Cash/Water
Public Works	Street Improvements	$ 3,500,000	Tax Lewy/Chapter 90
Public Works	Storm Drainage Improvements and NPDES Compliance	$ 340,000	GF Debt
Public Works	Sanitary Sewer System Investigation and Improvements	$ 1,000,000	Wastewater Debt/Wastewater RE
Public Works	Hydrant Replacement Program	$ 150,000	Free Cash/Water RE
Public Works	Pump Station Upgrades	$ 800,000	Wastewater Debt
Public Works	Implementation	$ 390,000	GF Debt
Public Works	Mass Ave - Three Intersections Improvement	$ 6,900,000	Free Cash / State Funding
Public Works	Sidewalk Improvements, Additions and Designs	$ 600,000	GF Debt
Public Works	Town Wide Culvert Replacement	$ 390,000	GF Debt
Public Works	Town-wide Signalization Improvements	$ 125,000	Free Cash
Public Works	Minuteman Bikeway Wayfinding	$ 120,000	CPA
Public Works	Antony Park Construction	$ 60,000	CPA
Public Works	Cary Memorial Library Walkway Replacement	$ 149,500	GF Debt
Public Works	Munroe Center for the Arts Parking Lot	$ 220,000	Private Funding
Public Works	Pleasant Street sidewalk	$ 175,000	GF Debt
Total Public Works Department		**$ 18,374,500**	
Lexington Public Schools	School Furniture, Equipment & Systems Program	$ 186,087	Free Cash
Lexington Public Schools	LPS Technology Capital Request	$ 1,198,000	Free Cash/GF Debt
Total Lexington Public Schools		**$ 1,384,087**	
Information Services	Replace Town Wide Phone Systems-Phase V	$ 21,000	Free Cash
Information Services	Head End Equipment Replacement/Packet Shaper - Phase V	$ 150,000	Free Cash
Town Clerk	Election System Upgrade	$ 81,000	Free Cash
Selectmen	Pelham Road Property Acquisition	TBD	GF Debt (Exempt)
Total General Government		**$ 252,000**	
Non-Governmental Projects	Munroe Tavern Archaeological Dig	$ 15,000	CPA
Non-Governmental Projects	Lexington Arts and Crafts Society - Parson's Gallery Lighting Renovation	$ 24,280	CPA
Non-Governmental Projects	Keeler Farm Community Housing Acquisition	$ 185,000	CPA
Non-Governmental Projects	Greeley Village Rear Door and Porch Preservation	$ 263,250	CPA
Total Non-Governmental Projects		**$ 487,530**	
Total FY 2017 Recommendations - All Funds		**$ 92,104,105**	

CAPITAL PLAN BY FINANCING SOURCE

The following pages include tables that show the recommended FY2017 capital projects by financing source:

General fund debt; Water fund debt; Wastewater fund debt; Recreation and Community Programs fund debt; Proposition 2 ½ excluded debt; Revolving fund debt; and Cash capital (i.e., current revenue).

Each debt-related table includes the projected debt service impact of recommended projects, actual debt service on debt authorized and issued, and projected debt service on debt authorized and unissued. Finally, each table is accompanied by a written description of each recommended project.

FY2017 RECOMMENDED PROJECTS - GENERAL FUND DEBT (Table I)

Town of Lexington - FY 2017 Budget
FY 2017 Manager's Recommended Budget: Capital Projects

TABLE I: FY2017 RECOMMENDED PROJECTS - GENERAL FUND DEBT

		AMOUNT FINANCED	TERM	INTEREST RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
MUNICIPAL PROJECTS										
1	Ladder Truck Replacement	$ 875,000	10	4.0%		$ -	$ 17,500	$ 122,500	$ 119,000	$ 115,500
2	Center Streetscape Improvements - Phase I	$ 2,700,000	20	4.0%		$ -	$ 54,000	$ 243,000	$ 237,600	$ 232,200
3	DPW Equipment Replacement ($755,000)	$ 449,000	5	4.0%		$ 8,980	$ 107,760	$ 104,168	$ 100,576	$ 96,984
4	Storm Drainage Improvements and NPDES Compliance	$ 340,000	10	4.0%		$ 6,800	$ 47,600	$ 46,240	$ 44,880	$ 43,520
5	Comprehensive Watershed Stormwater Management Study and Implementation	$ 390,000	10	4.0%		$ 7,800	$ 54,600	$ 53,040	$ 51,480	$ 49,920
6	Sidewalk Improvements, Additions and Designs	$ 600,000	5	4.0%		$ 12,000	$ 144,000	$ 139,200	$ 134,400	$ 129,600
7	Town Wide Culvert Replacement	$ 390,000	10	4.0%		$ 7,800	$ 54,600	$ 53,040	$ 51,480	$ 49,920
8	Cary Memorial Library Walkway Replacement	$ 149,500	5	4.0%		$ 2,990	$ 35,880	$ 34,684	$ 33,488	$ 32,292
9	Pleasant Street sidewalk	$ 175,000	5	4.0%		$ 3,500	$ 42,000	$ 40,600	$ 39,200	$ 37,800
	Subtotal	**$ 6,068,500**				**$ 49,870**	**$ 557,940**	**$ 836,472**	**$ 812,104**	**$ 787,736**
FACILITIES PROJECTS										
1	Townwide Roofing Program	$ 176,400	10	4.0%		$ 3,528	$ 24,696	$ 23,990	$ 23,285	$ 22,579
	Subtotal	**$ 176,400**				**$ 3,528**	**$ 24,696**	**$ 23,990**	**$ 23,285**	**$ 22,579**
SCHOOL PROJECTS										
1	LPS Technology Capital Request ($1,198,000)	$ 427,607	5	4.0%		$ 8,552	$ 102,626	$ 99,205	$ 95,784	$ 92,363
	Subtotal	**$ 427,607**				**$ 8,552**	**$ 102,626**	**$ 99,205**	**$ 95,784**	**$ 92,363**
PROJECTS TO BE FUNDED WITH NEW REVENUE										
1	Munroe School Roof	$ 298,000	5	4.0%		$ 71,520	$ 69,136	$ 66,752	$ 64,368	$ 59,600
	Subtotal	**$ 298,000**				**$ 71,520**	**$ 69,136**	**$ 66,752**	**$ 64,368**	**$ 59,600**
	TOTAL LEVY SUPPORTED GROSS DEBT SERVICE	**$ 6,970,507**				**$ 133,470**	**$ 754,398**	**$ 1,026,419**	**$ 995,541**	**$ 962,278**

	AUTHORIZED LEVY SUPPPORTED DEBT SERVICE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
A	Subtotal - Approved and Issued Levy Supported Debt Service		$ 6,943,404	$ 5,606,200	$ 4,815,635	$ 3,740,048	$ 2,890,708
B	Subtotal - Estimated Debt Service - Approved and Unissued Levy Supported Debt Service (short and long-term debt)		$ 73,577	$ 977,789	$ 1,327,957	$ 1,230,228	$ 1,193,253
C	**Summary - Debt Service on authorized debt**		**$ 7,016,982**	**$ 6,583,989**	**$ 6,143,592**	**$ 4,970,276**	**$ 4,083,961**
D	Subtotal - Projected New Levy Supported Net Debt Service		$ 133,470	$ 754,398	$ 1,026,419	$ 995,541	$ 962,278
E	Subtotal - Other Debt-related costs		$ 48,577	$ 43,154	$ 44,812	$ 46,552	$ 48,380
F	**TOTAL - PROJECTED LEVY SUPPORTED DEBT SERVICE**	**$ 6,732,527**	**$ 7,199,028**	**$ 7,381,541**	**$ 7,214,823**	**$ 6,012,369**	**$ 5,094,619**
G	**PROPOSED USE OF STABILIZATION FUNDS TO MITIGATE DEBT SERVICE IMPACTS OF LHS MODULAR BUILDINGS CONSTRUCTION PROJECT**	$ (620,567)	$ (710,000)	$ (689,000)	$ (1,146,000)	$ (570,000)	$ (150,000)
H	**PROJECTED LEVY SUPPORTED DEBT SERVICE**	**$ 6,111,960**	**$ 6,489,028**	**$ 6,692,541**	**$ 6,068,823**	**$ 5,442,369**	**$ 4,944,619**
I	**PROJECTED NET LEVY SUPPORTED DEBT SERVICE (ex. Projects to be Funded with New Revenue)**	**$ 6,111,960**	**$ 6,415,859**	**$ 6,623,405**	**$ 6,002,071**	**$ 5,378,001**	**$ 4,885,019**

Municipal Projects

1. **Ladder Truck Replacement - $875,000 (General Fund Debt):** This FY17 request would fund the purchase of a new aerial ladder truck for the Fire Department. The current truck is almost 17 years old and used on a daily basis. The required repairs for the aging truck have steadily increased, with over $60,000 spent for major repairs in FY12. Front line apparatus are generally utilized as first line vehicles for 10-12 years and then in a reserved capacity but the ladder truck has been used in a primary position for its entire life span. FY17 funding would be used to purchase a vehicle similar in size and equipped comparably to the existing truck. The primary design of the ladder truck allows the vehicle to conduct rescues, perform roof ventilation and provide firefighting capabilities through the water way at the end of the ladder.

2. **Center Streetscape Improvements – Phase 1 of 3 - $2,700,000 (General Fund Debt):** This project requests funds to improve and restore the sidewalk surface, streetscape and pedestrian safety in Lexington Center. Project improvements will also include lighting, intersection upgrades and lane configuration adjustments. Previous appropriations for the project have funded traffic modeling and design and development plans. Additional requests for construction are expected in future funding cycles. The estimated total cost of all three phases in $8 million.

3. **DPW Equipment Replacement - $755,000 ($449,000 General Fund Debt, $15,000 Free Cash, $145,500 Water Fund Retained Earnings, $145,500 Wastewater Fund Retained Earnings):** This is an annual request to replace equipment that is beyond its useful life and whose mechanical condition no longer meets the requirements of the Department of Public Works (DPW). The DPW has an inventory of 146 pieces of equipment including sedans, hybrid SUVs, construction vehicles and specialized equipment used to mow parks, plow snow, repair streets and complete a variety of other projects. Without regular equipment replacement, the efficiency and cost effectiveness of the DPW's operations would be handicapped due to equipment down time and excessive repair costs. The FY2017 request, by funding source, is shown in the table below.

   Each piece of equipment is inventoried with original and current replacement cost, state of condition and replacement time interval. Replacement intervals vary from 5 to 25 years, and are based on manufacturer recommendations and use (type and duration). The selection of vehicles to be replaced begins with the proposed replacement date. Then each vehicle is assessed as to its mechanical condition and work requirements. The systematic replacement program defines what equipment is expected to need replacement during the next five years, with the intent of preventing any unexpected emergency purchases. Annual updates are conducted by the Road Machinery Division, Division Superintendents and reviewed by the Manager of Operations and the Director of Public Works.

   The table below shows each piece of equipment recommended and its proposed financing source.

	GF Debt	Free Cash	Water RE	Sewer RE	Total
1-F550 Pick Up with Plow	$ 9,000		$ 60,500	$ 60,500	$ 130,000
1-Rubber Tire Loader with 3 Yard Capacity			$ 85,000	$ 85,000	$ 170,000
2- F450 Dump Trucks with Plows (Public Grounds)	$ 200,000				$ 200,000
1-Holder Tractor with Snow Blower (Public Grounds)	$ 140,000	$ 15,000			$ 155,000
1-F450 Dump Truck with Plow (Highway Division)	$ 100,000				$ 100,000
	$ 449,000	$ 15,000	$ 145,500	$ 145,500	$ 755,000

4. **Storm Drainage Improvements and NPDES Compliance - $340,000 (General Fund Debt):** This is an annual request. $40,000 is estimated for the compliance with the construction related portions of the National Pollutant Discharge and Elimination System (NPDES) minimum control measures as mandated by EPA in the storm water general permit issued to the Town. This includes the development and submittal of the Notice of Intent and Stormwater Management Program (SWMP) as required by the EPA as well as illicit discharge, detection and elimination. A new EPA NPDES permit is expected to be issued to the Town in January 2016. Requirements measures include illicit discharge detection and elimination, and BMP (best management practices) installation and retrofits. $300,000 will be used to repair/replace drainage structures encountered during the road resurfacing program, repair other drainage areas of concern in town and improve stormwater issues discovered during the NPDES investigation work.

   This request will provide funds to restore the function of select town drainage systems. Much of the town has been developed and old systems are inadequate. There are many trouble spots in the watersheds of the Vine Brook, Mill Brook, Beaver Brook, and Kiln Brook as well as other areas throughout town. Recent drainage installation and rehabilitation included Spring Street and Woburn Street. Paul Revere Road has been completed. Illicit

discharge detection and elimination has been ongoing in the Vine Brook and Mill Brook which are areas identified to have contamination.

5. **Comprehensive Watershed Storm Water Management Implementation - $390,000 (General Fund Debt**): This is an annual request. DPW-Engineering and Conservation are collaborating on addressing drainage/brook management issues. The Charles River, Shawsheen River, and Mystic River watershed management plans have all been completed with funding from prior authorizations. Design work is completed and construction is underway for the daylighting and drainage improvements at Willards Woods and the bank stabilization at Vine Brook in the Saddle Club Road area. The Whipple Brook area design is also underway. This request is for the continuing design / implementation of the watershed plans and for the construction of priorities established in the watershed plans. Staff has reviewed the three watershed plans and developed a likely prioritization schedule with built-in flexibility pending unforeseen changes. The requested funding will be used to move forward with the determined prioritized areas. Please note that there is some overlap with the Town Wide Culvert Replacement project, as some of these projects include culvert work as well as stream management work. Possible priority areas include the Valleyfield area design (which is within the Clematis Brook area) and the Whipple Brook area construction.

6. **Sidewalk Improvements, Additions and Design- $600,000 (General Fund Debt):** This is an annual request to rebuild and/or repave existing asphalt sidewalks and to begin design work on new sidewalks. FY16 funding was increased from prior years in order to address the Selectmen's goal of improving the overall condition of existing sidewalks and providing new sidewalks. Recommended FY17 funding continues funding at this accelerated level.

   DPW, in conjunction with various committees and other town departments develops a list each year of the sidewalks most in need of repair/replacement. There are four determining factors that dictate the repair of a sidewalk 1) Is the sidewalk unsafe for travel due to trip hazards, defects, etc. 2) Is the sidewalk within the Safe Routes to School Program 3) Is the volume of pedestrian traffic heavy, light or average, and 4) Is the general condition of the sidewalk poor, fair or good which dictates treatments such as full reconstruction, overlay or patching? All work will be ADA compliant. DPW has worked with Fay, Spofford & Thorndike, a pavement consulting firm, to compile a sidewalk condition survey that will help prioritize sidewalk repair locations.

   Candidate projects for funding in FY17 include Emerson Garden Road (north and south), Hathaway Road, Waltham Street – from LHS Driveway to Forest Street and Brookside to Blossomcrest, Massachusetts Avenue – Bow Street to Fottler Avenue (north and south), Turning Mill Road – phase II from #18 to end, Charles Street, Daniels Street and Aerial Street.

   The history of prior Sidewalk appropriations is:

FY08	FY09	FY10	FY11	FY12	FY13	FY14 [1]	FY15	FY16
$ 100,000	$ 275,000	$ -	$ 200,000	$ 200,000	$ 300,000	$ 400,000	$ 400,000	$ 600,000

[1] Does not include $200,000 of a $600,000 appropriation that was designated for the construction of a Hartwell Avenue mixed use path

7. **Town Wide Culvert Replacement - $390,000 (General Fund Debt):** This is an annual program request. On-going culvert inspections and ongoing watershed management planning efforts have identified culverts in town that are near or at failure. The Watershed Management Plans have identified a number of these failing culverts.

   Of the funding requested, $250,000 is an estimate of construction costs necessary for culvert replacement with $65,000 for design, permitting, and bidding. The remainder is for contingencies. The North Lexington Brook culvert at Revere Street, the Bikeway culvert near Camellia place and the Concord Avenue culvert at Hardy's Brook are all permitted with bids having been awarded, and are currently in the early stage of construction. Future designs and replacements include but are not limited to the following: Valleyfield and Waltham Street at the Clematis Brook which has been identified in the Watershed Management Plan. Please note that there is some overlap with the Comprehensive Stormwater Management project as some of these projects include culvert work as well as stream management work.

8. **Cary Memorial Library Walkway Replacement - $149,500 (General Fund Debt):** The walkway surrounding the Cary Memorial Library is in disrepair and poses a hazard to library patrons and personnel. FY17 funds are requested for replacement of the walkway in its entirety. The walkway receives regular maintenance for areas with significant segregation of the stones from the concrete mixture but they are expected to continue to degrade over time and repair work would be extensive. Replacement of the current walkway will significantly improve safety and accessibility to the building and also minimize maintenance work and related costs.

9. **Pleasant Street Sidewalk - $175,000 (General Fund Debt):** This funding would be used to complete the sidewalks along Pleasant Street in those areas that currently have no sidewalks. The section of roadway near the proposed sidewalk installations was identified as an area of high priority in a recent report on sidewalk conditions. Nearby schools, the Minuteman Bikeway, MBTA bus stops and a local farm are all in proximity and the proposed project would improve pedestrian safety and provide greater mobility for those utilizing the nearby destinations.

Department of Public Facilities Projects

1. **Town Wide Roofing Program - $176,400 (General Fund Debt):** The Central Administration Building's roof has been identified as a priority in the Department of Public Facilities 20-year Roof Master Plan. FY17 funds are requested to stop water infiltration with a specific focus on the A-framed roof. An internal venting system and external heat tape were installed but have proven ineffective due to significant snow totals. The proposal includes removal of the roof shingles from the front elevation, the addition of an ice and water shield under the new shingles and added venting. In addition to preventing water leaks, ice dams and associated damage, the replacement of the roofing systems may result in the reduction of funds budgeted for emergency roof repairs.

School Projects

1. **LPS Technology - $1,198,000 ($427,607 General Fund Debt and $770,393 Free Cash):** This request addresses the District's Strategic Goal for enhancing the capacity to utilize technology as an instructional and administrative tool. This technology equipment includes technology workstations (desktops, laptops, and mobile devices), printers/peripherals, interactive projection systems, network head-end equipment, and improved wireless network delivery systems for the High School and middle schools.
   This capital improvement project would provide the funding for:

   - *Technology Workstations* (Desktops, Laptops, Mobile Devices) - $550,000 is requested of which $490,000 is to replace aging computers that will be 5-6 years old during FY16 with up-to-date technology workstations. Approximately 525 computers during FY17 will need replacement. $60,000 will be allocated to the final year of a three year plan to make sure all six of our elementary schools are equitable in their technology.
   - *Expanding One-To-One Mobile Technology Initiative at Grade 8 Middle Schools* - $295,000 is requested to provide every Grade 7 student (590 students) at Diamond and Clarke Middle schools an iPad for use at home and school.
   - *Expanding Individualized Mobile Tablet initiative in High School* - $55,000 is requested to expand and further embed our current mobile technology initiative at the High School to provide mobile tablets (e.g., iPads) to additional 9th grade classrooms so that these classes can utilize the iPads on a regular basis to engage in classroom activities supported by technology.
   - *Technology Peripherals - $30,000 is requested to purchase and replace old printers, document readers, and projection systems through the district as the building needs arise.*
   - *Upgrading District and Building Networks* - $178,000 is requested to upgrade networks at schools. In FY16, the existing wireless network topology at the high school and two middle schools was successfully reconfigured through the doubling of the number existing access points at all three schools and through the replacement of existing wireless access points by more powerful units at the high school. However, additional work is needed to be done in order to handle the geometric growth in the use of mobile technology at the schools over the last several years as well as for the need to handle other technology devices such as VOIP phone systems. Accordingly, money is requested to (1) upgrade the backbone to 10GB from the district head-end to Fiske, Bridge, Bowman, Harrington, and Hastings ($105,000), (2) upgrade the connections at Clarke and Diamond between the main network cabinets (MDF) and the secondary network cabinets (IDF) and ($55,000), and (3) install the necessary technology system in order to upgrade to Active Directory for all users ($18,000)
   - *Interactive Projector/Whiteboards Units* - $90,000 is requested allow the Lexington School District to replace SMART interactive projection systems and existing ceiling projector systems purchased 2009 and earlier with replacement projectors and interactive projectors. Current units have come to end of life and need to be replaced. Twenty-two classrooms grades 3-12 require such replacement units. The request will also allow us for the installation of new units in three High School rooms without such units in place. During the last fiscal year, the school district completed a four year process of equipping nearly all Grade 3 through 12 classrooms with interactive projector/whiteboard units.

Projects to be Funded with New Revenue

1. **Munroe School Roof - $298,000 (General Fund Debt to be financed with increased lease fees from the Munroe School for the Arts):** A building assessment completed in 2007 identified that a new roof would likely be required for the Munroe School during calendar year 2016. During the last year, building users have reported leaks in the roof and the Munroe Center provided funds to make the repairs. This FY17 request is for funds to install a new roof on the building in order to prevent continued leaks and potential damage to structural elements and personal property. The project will be financed through the issuance of debt whose debt service will be funded with an increase in lease payments by the Munroe Center for the Arts to the Town.

FY2017 RECOMMENDED PROJECTS - WATER FUND DEBT (Table II)

Town of Lexington - FY 2017 Budget
FY 2017 Manager's Recommended Budget: Capital Projects

TABLE II: FY2017 RECOMMENDED PROJECTS - WATER DEBT

	PROJECT	AMOUNT FINANCED	DEBT SERV. YEARS	ESTIMATED INT. RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1	None Proposed	$ -	0	0.0%		$ -	$ -	$ -	$ -	$ -
	TOTAL	$ -				$ -	$ -	$ -	$ -	$ -

	AUTHORIZED WATER DEBT SERVICE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
A	Subtotal: Authorized and Issued Water Debt Service		$ 1,364,329	$ 1,137,057	$ 1,042,887	$ 820,347	$ 785,878
B	Subtotal - Estimated Debt Service - Approved and Unissued Water Debt Service (short and long-term debt)		$ 44,247	$ 26,474	$ 40,264	$ 39,092	$ 37,920
C	**Summary: Debt Service on Authorized Debt**		$ 1,408,576	$ 1,163,532	$ 1,083,150	$ 859,439	$ 823,797
D	Subtotal: Projected Debt Service on Proposed Capital Projects		$ -	$ -	$ -	$ -	$ -
E	Subtotal - Other Debt-related costs		$ -	$ -	$ -	$ -	$ -
F	**TOTAL PROJECTED WATER DEBT SERVICE**	$ 1,379,622	$ 1,408,576	$ 1,163,532	$ 1,083,150	$ 859,439	$ 823,797

No recommendations for debt financing.

FY2017 RECOMMENDED PROJECTS - WASTEWATER FUND DEBT (Table III)

Town of Lexington - FY 2017 Budget

Table III: FY 2017 Manager's Recommended Budget: Capital Projects

TABLE III: FY2017 RECOMMENDED PROJECTS - WASTEWATER DEBT

	PROJECT	AMOUNT FINANCED	DEBT SERV. YEARS	ESTIMATED INT. RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1	Sanitary Sewer System Investigation and Improvements ($1,000,000)	$ 968,000	10	4.0%		$ 19,360	$ 135,520	$ 131,648	$ 127,776	$ 123,904
2	Pump Station Upgrades	$ 800,000	10	4.0%		$ 16,000	$ 112,000	$ 108,800	$ 105,600	$ 102,400
	TOTAL	1,768,000				$ 35,360	$ 247,520	$ 240,448	$ 233,376	$ 226,304

	AUTHORIZED SEWER DEBT SERV.	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
A	Subtotal: Authorized and Issued Sewer Debt Service		$ 915,857	$ 861,109	$ 816,134	$ 670,819	$ 635,666
B	Subtotal - Estimated Debt Service - Approved and Unissued Sewer Debt Service (short and long-term debt)		$ 20,003	$ 286,736	$ 287,644	$ 279,192	$ 270,739
C	**Summary: Debt Service on Authorized Debt**		**$ 935,860**	**$ 1,147,846**	**$ 1,103,778**	**$ 950,011**	**$ 270,739**
D	Subtotal: Projected Debt Service on Proposed Capital Projects		$ 35,360	$ 247,520	$ 240,448	$ 233,376	$ 226,304
E	Subtotal - Other Debt-related costs		$ 10,000	$ 10,350	$ 10,712	$ 11,087	$ 11,475
F	**TOTAL PROJECTED SEWER DEBT SERVICE**	**$ 1,220,843**	**$ 981,220**	**$ 1,405,716**	**$ 1,354,938**	**$ 1,194,474**	**$ 508,518**

1. **Wastewater System Investigation and Improvements - $1,000,000 ($968,000 Wastewater Debt, $32,000 Wastewater Retained Earnings):** This is an annual request for rehabilitation of sanitary sewer infrastructure. Engineering investigation and evaluation will be done on sewers in various watersheds. Work will include replacement or repair of deteriorated sewers and manholes identified throughout Town. Sewage leaks and overflows present a direct danger to the health of the community through transmission of waterborne diseases. In addition, the Town's assessment by the MWRA for sewage treatment is based, in part, on total flow through the meter at the Arlington town line, so excessive flow of storm water in the sewer results in unnecessarily higher sewage bills.

   Projects may be eligible for MWRA grant/loan program funding. Further identification, prioritization, and repair of sanitary sewer in the town reducing inflow and infiltration into the system has been ongoing in several sewer basins in town. Recent completed work in town includes sewer basin Area 6 (Tophet swamp), Area 7 (Reed St area), Area 10 (Marrett, Lincoln, School Street areas), Area 3 (Adams Street, Grant Street, Saddle Club area), Area 9 (Parker Street area), and Area 14 (Bow Street area.) Possible future areas of removal are Area 4 and Area 5 which are along the easterly and westerly side of Lowell Street from Laconia Street to the Arlington Town line.

2. **Pump Station Upgrades - $800,000 (Wastewater Debt):** This is an ongoing program for upgrade of the stations including bringing them in compliance with federal (OSHA) regulations, equipment replacement and generator installations. Lexington has 10 Sewer pumping stations valued at over $6 million. In July 2013 a detailed evaluation and capital plan was developed for the town with the assistance of Wright-Pierce. This includes a detailed engineering survey of the pumps stations to determine current and future needs as well as a time table and probable costs for the proposed work. FY17 funding is requested for full pump station replacement which will likely be used for the Marshall Road Pump Station as shown in year 4 of the Capital Improvement Plan developed by Wright-Pierce. Installation of back-up generators at Concord Avenue and Potter Pond pump stations as well as other upgrades at Potter Pond have recently been completed and significant

improvements to the main pump station are underway that include HVAC upgrades, the installation of variable frequency drives on all the pumps to minimize wear and tear, save energy and eliminate hammering in the force main, and the installation of a surge tank.

FY2017 RECOMMENDED PROJECTS – RECREATION FUND DEBT (Table IV)

Town of Lexington - FY 2017 Budget
FY 2017 Manager's Recommended Budget: Capital Projects

TABLE IV: FY2017 RECOMMENDED PROJECTS - RECREATION and COMMUNITY PROGRAMS DEBT

	PROJECT	AMOUNT FINANCED	DEBT SERV. YEARS	ESTIMATED INT. RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
	None Proposed	$ -	1	0.0%		$ -	$ -	$ -	$ -	$ -
	TOTAL	$ -				$ -	$ -	$ -	$ -	$ -

		AUTHORIZED REVENUE SUPPPORTED DEBT SERV.	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
A	Subtotal	Approved and Issued Revenue Supported Debt Service [1]		$100,000	$100,000	$100,000	$ -	$ -
B	Subtotal	Approved and Unissued Revenue Supported Debt Service		$ -	$ -	$ -	$ -	$ -
C	**Summary**	**Approved Revenue Supported Debt Service**		**$100,000**	**$100,000**	**$100,000**	**$ -**	**$ -**
D	Subtotal	Projected Debt Service on Proposed Capital Projects		$ -	$ -	$ -	$ -	$ -
E		Other Debt-related costs		$ -	$ -	$ -	$ -	$ -
F	**TOTAL PROJECTED DEBT SERVICE**		**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$ -**	**$ -**

[1] $100,000 is an offset to the exempt debt service for bonds issued pursuant to a 2002 authorization for the reconstruction of the Lincoln Park athletic field and parking lot. The source of the offset is the Recreation and Community Programs Enterprise Fund

No recommendations for debt financing.

FY2017 RECOMMENDED PROJECTS – FUNDING THROUGH PROPOSITION 2 ½ DEBT EXCLUSION (Table V)

Town of Lexington - FY 2017 Budget
FY 2017 Manager's Recommended Budget: Capital Projects

TABLE V: FY2017 RECOMMENDED PROJECTS - FUNDING THROUGH PROPOSITION 2 1/2 DEBT EXCLUSION

	PROJECT	AMOUNT FINANCED	DEBT SERV. YEARS	ESTIMATED INT. RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Projects for Consideration - 2016 Town Meetings (February and March)										
1	LHS Heating Systems Upgrade - Design	$ 500,000	10	4%		$ 10,000	$ 70,000	$ 68,000	$ 66,000	$ 64,000
2	Hastings School Renovation/Replacement - Design (assumed MSBA reimbursement @ 30%)	$ 1,050,000	30	4%		$ 21,000	$ 77,000	$ 75,600	$ 74,200	$ 72,800
3	Diamond Middle School Renovations -Construction	$ 44,541,900	30	4%		$ -	$ 3,266,406	$ 3,207,017	$ 3,147,628	$ 3,088,238
4	Clarke Middle School Renovations -Construction	$ 21,264,100	30	4%		$ -	$ 1,559,367	$ 1,531,015	$ 1,502,663	$ 1,474,311
5	Pelham Road Property Acquisition	TBD	30	4%		TBD	TBD	TBD	TBD	TBD
	PROJ. NEW EXCLUDED DEBT SERVICE	**$ 67,356,000**				**$ 31,000**	**$ 4,972,773**	**$ 4,881,632**	**$ 4,790,491**	**$ 4,699,349**
Authorizations Voted for School Master Plan Design, Elementary School Modular Classrooms and related costs										
1	Article 2 - March 23, 2015 Annual Town Meeting	$ 4,080,000	variable	4%		126,488	677,674	656,355	635,037	158,384
2	Article 2 - December 2, 2015 Special Town Meeting	$ 5,386,000	variable	4%		143,627	1,141,466	1,104,425	1,067,384	1,030,343
3	Article 4 - December 2, 2015 Special Town Meeting - Engineering Study - 20 Pelham Road	$ 150,000	5	4%		3,000	36,000	34,800	33,600	32,400
						273,115	**1,855,140**	**1,795,580**	**1,736,020**	**1,221,127**
Projected Debt Service - Potential Future Projects										
1	Hastings School Renovation/Replacement - Construction (2017 ATM) (assumed MSBA reimbursement at 30%)	$ 40,950,000	30	4%		$ -	$ -	2,917,200	2,864,160	2,811,120
2	Pre-Kindergarten Program Space Renovations - Design (2017 ATM)	$ 771,750	30	4%		$ -	$ -	56,595	55,566	54,537
3	Pre-Kindergarten Program Space Renovations - Construction (2018 ATM)	$ 10,253,250	30	4%		$ -	$ -		751,905	738,234
4	LHS Heating Systems Upgrade - Improvements (2017	$ 12,625,000	10	4%		$ -	$ 110,888.89	693,056	1,258,589	1,696,600
5	Fire Station - Design (2017 ATM)	$ 1,000,000	30	4%		$ -	$ -	73,333	72,000	70,667
6	Fire Station - Construction (2018 ATM)	$ 18,200,000	30	4%		$ -	$ -		1,334,667	1,310,400
7	Police Station - Design (2018 ATM)	$ 1,000,000	30	4%		$ -	$ -		73,333	72,000
8	Police Station - Construction (2019 ATM)	$ 18,800,000	30	4%		$ -	$ -			1,378,667
						$ -	**$ 110,889**	**$ 3,740,184**	**$ 6,410,220**	**$ 8,132,224**

	APPROVED AND PROPOSED EXCLUDED DEBT SERVICE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Subtotal	Approved and Issued Excluded Debt Service		7,938,830	7,690,949	7,327,631	$ 7,051,468	6,353,004
Subtotal	Approved and Unissued Excluded Debt Service		$ 310,783	$ 713,674	$ 691,155	$ 668,637	190,784
TOTAL	**Approved Excluded Debt Service**		**8,249,613**	**8,404,623**	**8,018,786**	**7,720,105**	**6,543,788**
Subtotal	Projects for Consideration - 2016 Town Meetings (February and March)		$ 228,333	$ 5,523,946	$ 5,422,598	$ 5,321,249	$ 5,219,901
Subtotal	Authorizations Voted for School Master Plan Design, Elementary School Modular Classrooms and related costs		$ 273,115	$ 1,855,140	$ 1,795,580	$ 1,736,020	$ 1,221,127
Subtotal	Projected Debt Service - Potential Future Projects		$ -	$ 110,889	$ 3,740,184	$ 6,410,220	$ 8,132,224
Subtotal	Other Debt Related Costs		$ 413,719	$ 306,303	$ 163,001.89	$ 104,044.06	$ -
TOTAL APPROVED AND PROPOSED EXCLUDED DEBT SERVICE		**8,539,697**	**9,164,780**	**16,200,901**	**19,140,150**	**21,291,639**	**21,117,041**
Less use of Capital Project Stablization Funds to Mitigate Debt Service Impacts of Bridge/Bowman and Estabrook Projects		$ 215,000	$ -	$ -	$ -	$ -	$ -
	Net Debt Service	8,324,697	9,164,780	16,200,901	19,140,150	21,291,639	21,117,041

Note: All debt service is projected on the basis of annual level principal and declining debt service. Total Approved and Proposed Excluded Debt Service is inclusive of projections for the financing of the purchase of the Pelham Road property.

1. **LHS Heating Systems Upgrade – Design - $500,000 (Candidate for Debt Exclusion vote):** The 2014 Annual Town Meeting appropriated $75,000 to evaluate options to determine the most cost effective approach to replace HVAC systems at Lexington High School that have operated beyond their life cycles. The analysis presented by the consulting engineers presented several options and the 2015 Annual Town Meeting appropriated $150,000 to fund the design of one of those options. The proposed project includes converting the steam boilers and steam unit ventilators to a highly efficient condensing boiler and hot water distribution system. This FY17 request seeks funds for design development and construction documents as the next step in the process. It is expected that construction funds will be requested at a future Town Meeting. The new HVAC system will improve the educational environment while also making the systems energy efficient, easier to maintain and more reliable.

2. **Hastings School Renovation/Replacement Design - $1,500,000 (Candidate for Debt Exclusion vote):** The School Committee and Board of Selectmen approved for the Superintendent to submit a Statement of Interest (SOI) to the Massachusetts School Building Authority (MSBA) in February and March of 2015. The SOI outline the districts need to have a study performed on the Hastings Elementary School due to overcrowding and the age of existing building systems. Response from the MSBA is anticipated in January 2016. If

the response is positive, the Town would have 90 days to seek Town Meeting approval of project funding for a Feasibility and Schematic Design Study. If all this comes to pass, the MSBA would reimburse Lexington for part of the work, at a percentage to be determined, but the percentage is expected to be a minimum of 32%.

3. **Diamond Middle School Renovations – Construction Funding - $44,541,900 (Candidate for Debt Exclusion vote):** Funding for design of renovations to the Diamond Middle School was voted at special town meetings in March and December 2015 to address enrollment that exceeds the carrying capacity of the school. This request is for construction funding for these renovations. Revised cost estimates for this project are expected the week of March 7, 2016.

4. **Clarke Middle School Renovations – Construction Funding - $21,264,100 (Candidate for Debt Exclusion vote):** Funding for design of renovations to the Clarke Middle School was voted at special town meetings in March and December 2015 to address enrollment that exceeds the carrying capacity of the school. This request is for construction funding for these renovations. Revised cost estimates for this project are expected the week of March 7, 2016.

5. **Pelham Road Property Acquisition - $TBD (Candidate for Debt Exclusion vote):** The Town is in the process of negotiating with the Armenian Sisters for the purchase of their property, a former elementary school, located at 20 Pelham Road. It is anticipated that this 8.5 acre site, adjacent to the Lexington Community Center, will be used for school or municipal purposes. At the December 2014 Special Town Meeting, $150,000 was appropriated for engineering purposes to study vehicular and pedestrian access to this site including access from Pelham Road to the Community Center and Marrett Road.

FY2017 RECOMMENDED PROJECTS – Compost Revolving Fund (Table VI)

Town of Lexington - FY 2017 Budget
FY 2017 Manager's Recommended Budget: Capital Projects

TABLE VI: FY2017 RECOMMENDED PROJECTS -Compost Revolving Fund

PROJECT	AMOUNT FINANCED	DEBT SERV. YEARS	ESTIMATED INT. RATE	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
None Proposed	$ -				$ -	$ -	$ -	$ -	$ -
TOTAL	$ -				$ -	$ -	$ -	$ -	$ -

		AUTHORIZED REVENUE SUPPPORTED DEBT SERV.	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
A	Subtotal	Approved and Issued Revenue Supported Debt Service		$ 43,088	$ 36,725	$ 35,525	$ 34,325	$ 28,125
B	Subtotal	Approved and Unissued Revenue Supported Debt Service		$ 59,293	$ 189,428	$ 182,896	$ 176,364	$ 169,832
C	**Summary**	**Approved Revenue Supported Debt Service**		**$ 102,381**	**$ 226,153**	**$ 218,421**	**$ 210,689**	**$ 197,957**
D	Subtotal	Projected Debt Service on Proposed Capital Projects		$ -	$ -	$ -	$ -	$ -
E		Other Debt-related costs		$ -	$ -		$ -	$ -
F	**TOTAL PROJECTED DEBT SERVICE**		**$ -**	**$ 102,381**	**$ 226,153**	**$ 218,421**	**$ 210,689**	**$ 197,957**

No recommendations for debt financing.

FY2017 RECOMMENDED PROJECTS – CASH CAPITAL (Table VII)

Town of Lexington - FY 2017 Budget
FY 2017Manager's Recommended Budget: Capital Projects

TABLE VII: FY2017 RECOMMENDED FUNDING FROM REVENUES (Cash by Source)

	PROJECT	Free Cash	Tax Levy	Water Retained Earnings	Sewer Retained Earnings	Recreation Retained Earnings	CPA [1]	Other Funding [2]	TOTAL COST
SCHOOL PROJECTS									
1	School Furniture, Equipment & Systems Program	$ 186,087							$ 186,087
2	LPS Technology Capital Request	$ 770,393							$ 770,393
	SUBTOTAL	$ 956,480	$ -	$ -	$ -	$ -	$ -	$ -	$ 956,480
FACILITIES									
1	Cary Library Internal Reconfiguration Project							$ 850,000	$ 850,000
2	Fire HQ Exercise Room		$ 80,000						$ 80,000
3	School Building Envelopes and Systems Program	$ 215,000							$ 215,000
4	Municipal Building Envelopes and Systems		$ 187,329						$ 187,329
5	Building Flooring Program	$ 150,000							$ 150,000
6	Public Facilities Bid Documents	$ 100,000							$ 100,000
7	Security Camera Upgrade to Digital from Analog	$ 49,500							$ 49,500
8	LHS Security Evaluation and Upgrade	$ 25,000							$ 25,000
9	LHS Guidance Space Mining - Design	$ 13,800							$ 13,800
10	LHS Nurse Office and Treatment Space - Design	$ 17,000							$ 17,000
11	LHS Fitness Center/Athletic Training Floor	$ 41,220							$ 41,220
12	Munroe Center for the Arts Window Study						$ 30,000		$ 30,000
13	School Traffic Safety Improvements	$ 25,000							$ 25,000
	SUBTOTAL	$ 636,520	$ 267,329	$ -	$ -	$ -	$ 30,000	$ 850,000	$ 1,783,849
MUNICIPAL PROJECTS									
1	Parking Meter Replacements - Phase 2							$ 230,625	$ 230,625
2	Grain Mill Alley Improvements						$ 214,114		$ 214,114
3	Public Safety Radio Stabilization	$ 90,000							$ 90,000
4	Wright Farm Barn Needs Assessment and Feasibility Study						$ 35,000		$ 35,000
5	Replace Town Wide Phone Systems-Phase V	$ 21,000							$ 21,000
6	Head End Equipment Replacement/Packet Shaper - Phase V	$ 150,000							$ 150,000
7	Transportation Mitigation							$ 30,000	$ 30,000
8	DPW Equipment Replacement ($755,000)	$ 15,000		$ 145,500	$ 145,500				$ 306,000
9	Street Improvements		$ 2,526,835					$ 973,165	$ 3,500,000
10	Wastewater System Investigation and Improvements ($1,000,000)				$ 32,000				$ 32,000
11	Hydrant Replacement Program	$ 75,000		$ 75,000					$ 150,000
12	Mass Ave - Three Intersections Improvement	$ 350,000						$ 6,550,000	$ 6,900,000
13	Town-wide Signalization Improvements	$ 125,000							$ 125,000
14	Minuteman Bikeway Wayfinding						$ 120,000		$ 120,000
15	Antony Park Construction						$ 60,000		$ 60,000
16	Munroe Center for the Arts Parking Lot							$ 220,000	$ 220,000
17	Pine Meadows Improvements					$ 65,000			$ 65,000
18	Park and Playground Improvements						$ 75,000		$ 75,000
19	Town Pool Renovation						$ 166,000		$ 166,000
20	Park Improvements - Athletic Fields						$ 120,000		$ 120,000
21	Park Improvements- Hard Court Resurfacing						$ 61,000		$ 61,000
22	Granite Forest at Lincoln Park						$ 30,000		$ 30,000
23	Election System Upgrade	$ 81,000							$ 81,000
	SUBTOTAL	$ 907,000	$ 2,526,835	$ 220,500	$ 177,500	$ 65,000	$ 881,114	$ 8,003,790	$ 12,781,739
OTHER CPA FUNDED PROJECTS									
1	Munroe Tavern Archaeological Dig						$ 15,000		$ 15,000
2	Lexington Arts and Crafts Society - Parson's Gallery Lighting Renovation						$ 24,280		$ 24,280
3	Keeler Farm Community Housing Acquisition						$ 185,000		$ 185,000
4	Greeley Village Rear Door and Porch Preservation						$ 263,250		$ 263,250
	SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ 487,530	$ -	$ 487,530
	TOTAL	$ 2,500,000	$ 2,794,164	$ 220,500	$ 177,500	$ 65,000	$ 1,398,644	$ 8,853,790	$ 16,009,598

[1] CPA totals do not include proposed FY2017 administrative budget of $150,000, $25,000 for the Community Center Preservation Restriction Endowment and $1.7 million for debt service.

[2] Proposed funding for the annual street resurfacing program is comprised of $2,526,835 of tax levy dollars of which $624,061 derives from a 2001 operating budget override, and an anticipated distribution of $973,165 of Chapter 90 funds. Over and above the $624,061 in tax levy dollars from the 2001 override, additional amounts are recommended and are based on the following: the continued funding of $281,234 of tax levy support that was initiated in FY12 and maintained in FY13; the continued funding of $164,850 of tax levy support that was initiated in FY13; $1.1 million derived from health insurance savings, which reflects an increase from the $850,000 allocated in FY14 for street improvements, and $341,089 from FY17 estimated tax levy revenue to provide a level of funding estimated to move the Town toward a targeted pavement condition index (PCI) of 85.

School Projects

1. **System Wide School Furniture, Equipment and Systems - $186,087 (Free Cash):** The School Department submits annual requests for replacement of classroom and office furniture that has reached the end of its useful life. The FY17 request will support new

furniture for increased enrollment and staff and additional classroom space for Lexington Children's Place.

The FY17 Furniture, Equipment and Systems Replacement Program includes requests for:

- Student, Teacher and Staff Desks and Chairs
- Additional Classroom Furniture and Equipment for Lexington Children's Place
- Principal's Office furniture at Harrington
- Cafeteria Tables
- Bookshelves
- Activity Tables
- Stand-Up Student Desks
- Corkboard/ Markerboards
- Stools
- Supply Cabinets
- Computer Tables
- Filing Cabinets

Total: $112,421

Special Education:

- (5) Augmentative Communication Devices for Students: $29,656.00
- Five-Year Replacement Cycle for Upgrades on Classroom FM Sound Systems: $5,000

Total: $34,656

Health Services:

- Hearing and Vision Equipment
  - (7) Optec Vision Testing System
  - (10) Interacoustics Screening Audiometer

Total: $29,010

District:

- LPS District Redistricting Furniture Purchases

Total: $10,000

2. **LPS Technology - $1,198,000 ($427,607 General Fund Debt and $770,393 Free Cash):** *see detailed description in section I - General Fund Debt financed projects*.

Department of Public Facilities Projects

1. **Cary Library Internal Reconfiguration Project - $850,000 (Private Funding):** The Cary Memorial Library plans to reconfigure several library spaces. The project includes creating a new teen space on the library's lower level, moving the Adult Fiction and World Languages collections to the main level, adding four study rooms and a public engagement space, and reconfiguring the main desk, computers and copy/print services. This project is

a result of the library's 2014 Strategic Planning Process and identifies areas for improvement to enhance library services. The library has experienced an influx of teens in the afternoons who currently utilize areas on the main level. Relocating the space to the lower level provides more opportunities for teens to work in groups and study socially. In addition to mitigating the impact on the main level, the move allows the library to house their highly circulated Chinese collection and World Language collection on the main floor. Reconfiguring the main desk and electronic resources allows staff to easily assist patrons and putting bookshelves on wheels will allow for the creation of auditorium space when needed. A public engagement space will allow for thoughtful, creative and participatory projects for the community. This project will be funded through private donations.

2. **Fire Headquarters Exercise Room - $80,000 (Tax Levy):** The current exercise equipment is positioned in the apparatus garage along with the fire trucks and related equipment, leaving firefighters who are exercising subject to outside temperatures anytime a vehicle enters or exits the garage, smells of diesel exhaust, and off gassing of fire particulates from the protective clothing. The current environment is a disincentive for firefighters maintaining their physical fitness, an important part of keeping healthy and mitigating the risk of injury on the job.

   The scope of this recommended project is to enclose the existing area, add heat and air conditioning, and replace some equipment.

3. **School Building Envelope and Systems - $215,000 (Free Cash):** This project involves performing annual prioritized design, repairs and modifications to prevent deterioration of school building exteriors and building systems. Proper maintenance of school buildings requires continual investment in the building envelope and building systems. This includes but is not limited to repair of damaged panels and siding, re-caulking and weatherproofing windows and doors, repainting the wood exterior and extraordinary repairs to mechanical systems. Small, individual items such as failure of a specific door or window or small painting projects will continue to be funded through the operating budget. FY 2017 will prioritize the Central Administration Building's window repairs and caulking replacement.

4. **Municipal Building Envelope and Systems - $187,329 (Tax Levy):** This ongoing capital request, originally approved for funding in the 2006 Proposition 2 ½ Override, includes repair/replacement projects for the maintenance and upgrade of municipal buildings and systems. Repairs to roofs, windows, mechanical and electrical systems, and interior finishes are required on a continual basis to maintain town facilities for their intended function. The public building infrastructure will always need to be maintained, repaired, and upgraded to prevent structural deterioration and avoid safety hazards. The projects within this program do not increase the size of the public building stock and therefore do not result in increased utility usage or maintenance costs. This year's request intends to implement extraordinary repairs at Cary Memorial Library, including the south entrance door system and improvements to mitigate large amounts of ice dams that form during the winter season.

5. **School Building Flooring Program - $150,000 (Free Cash):** This is a multi-year project that will replace carpet, vinyl tile, and ceramic tile flooring systems are beyond their useful life. Flooring systems must be replaced periodically to insure the surfaces are safe and cleanable. Worn or broken flooring creates a tripping hazard, can provide harborage for bacteria and water, and is difficult to clean. Smaller repairs of flooring components are

funded through the operating budget. This is the seventh year of this program and new flooring systems have been installed in Clarke stairwells, classrooms, and auditorium, Hastings main corridor, Diamond School, and Central Administration and LHS. In FY 2017, flooring systems in Cary Memorial Library will be replaced at a value of approximately $50,000, in coordination with a planned renovation of interior spaces. Replacement of additional spaces will be prioritized in the spring of 2016.

6. **Public Facilities Bid Documents - $100,000 (Free Cash):** This is an annual request for funding of professional services to produce design development, construction documents, and/or bid administration services for smaller school projects in anticipation of requests for construction funding at town meeting that that have a high probability of approval. This will insure that the projects can be completed in the then-current construction season, which is particularly important for the timely completion of such projects given the short window between the end of school in June and the beginning of school the following August.

7. **Security Camera Upgrade to Digital from Analog - $49,500 (Free Cash):** This project requests funds to upgrade the older analog security camera system to the newer evacqVision digital security camera system at the Public Services Building. FY16 funding was approved for camera system upgrades for the Fiske and Harrington Elementary Schools and the Lexington High School request was consolidated with a new request to evaluate its specific needs. The older analog cameras, some in service since 2005, are losing picture quality and require replacement. The new camera monitoring system requires installation of a network server and software licenses for IP addressable digital cameras. All other systems are currently on the IP based network.

8. **LHS Security Evaluation and Upgrade - $25,000 (Free Cash):** This project will assess the current security systems and door hardware issues at Lexington High School and generate a recommendation of a security standard to be employed in all buildings due to its campus structure. The entire high school requires updates to key entry and alarm and security systems. LHS is an older facility in an isolated location and has multiple outside doors. An adequate security system would safeguard school assets in terms of equipment and building and reduce the potential for disruption of educational services due to vandalism. FY17 funding will be used to provide engineering and design for school security systems, including locking systems, access control, monitoring and video surveillance.

9. **LHS Guidance Space Mining – Design - $13,800 (Free Cash**): Increased student enrollment has necessitated the hiring of additional school counselors and space in the high school is at a premium. The proposed project would make more efficient use of existing space by space mining the Dean/Counselor space in the Math Building. The high school has an existing student support model that clusters each Dean/Counselor team in a specific location on campus. The cluster model provides a 'home base' for students and student teams, organized by homeroom location. One of the goals of this model is to provide a smaller feel on a larger campus and to ensure that Dean/Counselor teams are in close proximity throughout the day. Space mining this area in the Math Building would create a calm, private place for counselors to meet with students. Funds requested are for design of these proposed projects.

10. **LHS Nurse Office and Treatment Space – Design - $17,000 (Free Cash):** The Health Office at LHS requires a remodel of the existing space in order to adequately care for

the needs of the student population. Higher enrollment and special programming have caused student health care needs to increase and the current facility does have the capability to meet such demand. The three nurses have limited space for confidential evaluations, treatment and monitoring. The request includes the addition of approximately five treatment/rest beds, improvements to the treatment area and improved efficiency to the welcome and evaluation areas. The existing office has some potential for reconfiguration but additional space is likely needed to accommodate approximately 300 square feet for the treatment bed area. An adjacent storage area could potentially be used for the expansion. Funds requested are for design of these proposed projects.

11. **LHS Fitness Center/Athletic Training Floor - $41,220 (Free Cash):** This project proposes the installation of a new interlocking floor system in the Athletic Training Room and Fitness Center at LHS. Currently, the Athletic Training Room and half of the Fitness Center have a painted cement floor and the other half of the Fitness Room has an interlocking rubber floor system which is approximately 12-14 years old. The proposal would install a new interlocking rubber floor system in both areas. Scheduled PE classes are held in both areas during the school day. The Athletic Training Room serves as the after-school sports healthcare facility, logging over 6,000 student visits per year. The Fitness Center is open before and after school and experiences consistently high traffic from both students and staff. The current rubber flooring in the Fitness Room has a significant loss of traction, making the area unsafe for students performing weight bearing exercises. The painted cement area is also an injury-prone surface. Both the rubber floor and painted cement surfaces are impossible to clean, despite custodians best efforts. The athletic training staff faces constant challenges trying ensure an effective level of cleanliness for the floor surface when caring for student athletes in what is considered a healthcare facility. Current conditions are not conducive to both the health and safety of staff and students.

12. **Munroe Center for the Arts Window Study - $30,000 (CPA):** The Munroe Center for the Arts seeks funds to complete a study of the 117 windows at their facility. The windows are believed to be original to the 110 year-old building and thus in poor condition. The proposed engineering study will provide recommendations for the replacement or restoration of the windows, construction documents and cost estimates. The Munroe Center anticipates that additional CPA funds will be requested in FY18 to complete the replacement or restoration, based on the study's recommendation.

13. **School Traffic Safety Improvements - $25,000 (Free Cash):** The School Committee commissioned a Traffic and Mitigation Study of school sites in February 2014. The resulting report contained findings that indicated additional study and mitigation measures were required to improve traffic safety in and around Lexington's schools. A multi-year program was implemented to include studies, design and construction documents and implementation.

    The 2014 Annual Town Meeting appropriated funds for studies at the Bridge Elementary School and Lexington High School (LHS). The Bridge study is complete but $25,000 in additional funds are required to complete the LHS study. This FY17 request seeks those supplemental funds to complete the LHS study.

    Additional funding requests are expected in future fiscal years as each school site progresses through study, construction document and construction funding phases. The goal of the project is to improve safety for students and staff by providing clear and uniform traffic safety and mitigation on school properties.

Municipal Projects

1. **Parking Meter Replacements – Phase 2 - $230,265 (Parking Meter Fund):** In 2015, Town Meeting approved funding for the replacement of 121 parking meters along Mass Ave. This FY17 request would replace the remaining 402 meters with the new technology meters. Updating the parking meters is part of a comprehensive parking management plan designed to optimize Lexington Center's parking supply for both long and short-term users. The new technology provides users with various payment options, including the ability to pay with credit cards and smartphones. The new meters also offer flexibility to implement rate changes and provide an enhanced ability to collect and report parking utilization data to make informed policy decisions.

2. **Grain Mill Alley Design Implementation – 214,114 (CPA):** This project is pending acceptance of a legal agreement between the Town and the property's adjacent property owners. If the project moves forward, the request would bring the conceptual design to completion and fund construction of the project.

3. **Public Safety Radio Stabilization - $90,000 (Free Cash):** This FY17 request will fund Phase II of the Public Safety Radio Stabilization Project. $90,000 was appropriated in FY16 for Phase I which is currently underway and includes the relocation of some equipment, conversion from copper lines to fiber optic lines and addressing emergency power to additional repeater sites. The Motorola radios in dispatch may require an upgrade due to software issues and may delay completion of Phase I. Phase II includes expansion of the wireless connection between the main system and outlying devices by adding antennae locations to the Cary Memorial Building and the Public Services Building and the creation of a redundant repeater system at the DOT site. This two-phase project addresses the recommendations of a 2013 radio study that identified options for improving reliability and redundancy to the Public Safety Radio System.

4. **Wright Farm Barn Needs Assessment and Feasibility Study - $35,000 (CPA):** At the 2012 Annual Town Meeting, voters approved the purchase of a significant portion of the Wright Farm, a 12.6 acre parcel of land located on Grove Street. The Wright Family retained one lot (approximately one acre), including a house, garage and barn on which there was granted an option of later purchase by the Town. At the 2015 Annual Town Meeting, voters approved $618,000 to fund the purchase of the remaining parcel of land by the Town, including the barn, which is in some disrepair. This project requests funds to conduct a feasibility study of the barn to determine if it can be utilized as an environmental education facility. The feasibility study would consist of a structural analysis, needs assessment and architectural assessment.

5. **Replace Town Wide Phone Systems-Phase V - $21,000 (Free Cash):** The FY17 request for this multi-phase project will fund Phase V of the Town Wide Telephone Replacement Project. At the 2008 Annual Town Meeting, $30,000 was appropriated to fund a needs assessment for the replacement of phone systems in all town and school buildings. The recommendation of the consultant was for the Town to replace existing municipal and school phone systems with VoIP phone systems. Subsequent Town Meetings have appropriated additional funds for the various phases of the project. To-date, the new VoIP phone systems have been installed in the Town Office Building, Lexington High School, the School Administration Building and the Community Center. The bulk of the system cores were installed at Lexington High School and Public Services Building in FY14. Project

completion is expected during FY16 at the two fire stations, Cary Memorial Building and Clarke and Diamond Middle. Phase V proposes the replacement of the phone systems at the Cary Memorial Library. The unified phone system replaces existing telephone systems that have become unreliable and expensive to maintain. The VoIP phones provide enhanced technology and centralized administration by offering better call quality and delivering better customer service.

6. **Head End Equipment Replacement/Packet Shaper - Phase V - $150,000 (Free Cash):** This project is a multi-phase project to replace aging equipment or add equipment that functions as the Town wide core or head end for the Town network. The head end is made up of many components including, but not limited to, routers, switches, DNS servers, firewalls, access control devices, e-mail spam filters, and web access control devices. The overall purpose of the head end is to provide security and to manage network traffic. This capital covers the cost to replace aged end-of-life (EOL) equipment and to cover the cost of purchasing additional equipment for core security as new security needs are defined.
The FY2017 request is for the purchase of a bandwidth management and packet shaping appliance for installation in the Town core to serve the needs of municipal and school users. Our bandwidth needs and utilization within the Town have grown significantly. As we add bandwidth to meet these needs, we wish to add intelligent management and control over the use of the bandwidth to help control the utilization. This will also help ensure that critical services that require bandwidth get the bandwidth needed through bandwidth prioritization.

7. **Transportation Mitigation - $30,000 (Traffic Mitigation Stabilization Fund):** This request supports the efforts of the Transportation Safety Group. TSG is staffed by the Planning, Engineering, School, and Police Departments. FY17 funds will be used to evaluate and develop construction cost estimates for future capital requests. Between FY 2008 and 2011, Town Meeting appropriated funds to collect data, perform analyses, review citizen requests, and make recommendations for various town-wide transportation improvements in support of the Traffic Mitigation Group. When TMG was dissolved in 2012, the Traffic Safety Advisory Committee became the group charged with overseeing these funds. In October of 2014, the Town further reorganized its operations, reconstituting TSAC as the Transportation Safety Group. This request is also part of the response to the 2015 Annual Town Meeting's adoption of Article 45, which prioritized town-wide pedestrian and cyclist safety improvements.

   Transportation safety plays a critical role in Lexington's high quality of life. Investigating potential problems and maintaining compliance with current standards and best practices help to ensure the safety of drivers, bicyclists and pedestrians in Lexington. Determining the need, or lack thereof, for new enhancements or facilities is vital to maintaining public safety.

8. **DPW Equipment Replacement - $755,000 ($449,000 General Fund Debt, $15,000 Free Cash, $145,500 Water Fund Retained Earnings, $145,500 Wastewater Fund Retained Earnings):** *see detailed description in section I - General Fund Debt financed projects*.

9. **Street Improvements - $3,500,000 ($2,526,835 Tax Levy, $973,165 of Chapter 90 funds):** This is an annual request for the street resurfacing and maintenance program.

It is comprised of $2,526,835 of Town funds and $973,165 of the estimated FY17 Chapter 90 distribution. Funds will be used for design, inspections, planning, repair, patching, crack sealing and construction of roadways and roadway related infrastructure including repair and installation of sidewalks. A preliminary list of the streets to be repaired under this article is currently under development. A pavement management system is utilized to assist in analyzing the road network and selecting roadways for repairs. This model is kept updated on a regular basis. The funding requested will provide a level of funding estimated to move the Town toward a targeted pavement condition index (PCI) of 85.

Street Improvements - Financing Components		
		FY17 St. Improvements
2001 Override Increased by 2.5% per year	$	639,662
Maintenance of unallocated revenue from FY12 Revenue Allocation Model	$	281,234
Maintenance of unallocated revenue from FY13 Revenue Allocation Model	$	164,850
FY14 Health Insurance Savings	$	1,100,000
Additional FY17 Tax Levy Funding	$	341,089
Estimated Chapter 90 Aid	$	973,165
	$	3,500,000

10. **Wastewater System Investigation and Improvements - $1,000,000 ($968,000 Wastewater Debt, $32,000 Wastewater Retained Earnings):** *see detailed description in section III – Wastewater Fund Debt financed projects*.

11. **Hydrant Replacement Program - $150,000 ($75,000 Free Cash, $75,000 from Water Enterprise Retained Earnings):** This is an ongoing replacement program designed to maintain the integrity of the fire protection system throughout town. The Town of Lexington has 1,500 fire hydrants in its fire protection system. Faulty hydrants need to be replaced annually to meet safety requirements. A list of hydrants needing replacement each year is generated during the annual inspection and flushing of hydrants by the Water Department and the Fire Department as well as hydrants being replaced for Based on discussions between the Water Department and the Fire Department the target goal is to replace approximately 60 hydrants per year. With a replacement cost of approximately $2,500 per hydrant the capital request will ensure the continued operability of the fire protection system. A total of 328 hydrants (approximately 22% of the system) have been replaced. Hydrants typically have a 50 year life unless they are damaged.

12. **Mass Ave. - Three Intersections Improvement - $6,900,000 ($6,550,000 of State Transportation Improvement Plan (TIP) funding; $350,000 Free Cash):** This ongoing project includes the design of the major intersections on Mass Ave from Marrett Road to Pleasant Street (intersections include Pleasant Street, Maple Street and Marrett Road) to mitigate congestion and address safety concerns for vehicles, cyclists and pedestrians. $125,000 was appropriated by the 2010 Annual Town Meeting for 25% of the design. $500,000 was appropriated by the 2014 Annual Town Meeting to complete the design plans and bid specifications. The 25% design plans were submitted to MassDOT and all comments received as of September 2014. Public hearings and meetings have also been held.

MassDOT Transportation Improvement Plan (T.I.P) construction funding is anticipated to cover the cost of the project. Construction estimates value the project at approximately $6.5 million. The project has scored high in project ratings which help determine eligibility and scheduling.

The FY17 request seeks funds for temporary construction easements; permanent acquisition is not anticipated. Federal requirements for land acquisition require the Town to appraise and offer to purchase the temporary easement based on the appraised value. As the process moves forward, it will be determined if there are any potential non-participatory costs that the Town will be responsible for funding.

13. **Town-wide Signalization Improvements - $125,000 (Free Cash)**: This is an annual request for funds to update traffic and pedestrian signals in Lexington. A signal inventory and compliance study has been completed. The study includes ADA compliance, condition assessment; signal timing, delays, and prioritized recommendations. FY17 funding is to implement items that have been identified in the study and other issues that are identified by the Transportation Safety Group (TSG) to improve the signals for all users. Potential locations for FY17 funding includes the intersections of Bedford Street at Worthen Road, Lowell Street at East Street, Lowell Street at North Road and improved pedestrian crossings along Mass Avenue. Data Collection analysis and design is assumed to be approximately 20% of the total cost. Recent funding has been applied to the construction of the Concord Ave at Waltham Street signal upgrades and to develop conceptual roundabout and signal alternatives for the intersection of Massachusetts Avenue and Worthen Road. Additionally, traffic data and analysis was conducted at several locations as a precursor to design.

14. **Minuteman Bikeway Wayfinding - $120,000 (CPA):** The 2015 Annual Town Meeting approved $39,000 to fund the design of wayfinding and etiquette signage relating to the Minuteman Bikeway in Lexington. This FY17 request would fund the purchase and installation of approximately 220 signs containing information on bikeway access and etiquette and nearby attractions. The signage is one of the recommendations in the report entitled 'Navigating the Minuteman Bikeway' which was completed with the cooperation of the Bicycle Advisory Committee and representatives from the towns of Arlington and Bedford.

15. **Antony Park Construction - $60,000 (CPA**): In 2010, the Board of Selectmen authorized the Tourism Committee to build a park within Tower Park to commemorate Lexington's sister city, Antony, France. The Town has worked with the Tourism Committee to install a water line at the site and complete initial grading but bids for further construction came back with exceedingly higher costs than what was raised in private donations. This request is for additional funds to complete the construction and supplement private donations. The design will include a sitting wall, pathways, landscaping and a memorial linking the two cities.

16. **Munroe Center for the Arts Parking Lot - $220,000 (Private Funding):** The parking lot of the Munroe Center for the Arts is in disrepair and requires full reconstruction. The proposed project will reconstruct the parking lot to include additional parking spaces, improved circulation and the installation of a drainage system. The request also recommends the replacement of the Mass Ave crossing controls with rectangular rapid flashing beacons. The improvements will provide a more functional parking area and

improved safety for Munroe Center patrons and those who utilize the rear fields for other activities. The project will be financed through the issuance of debt whose debt service will be funded with an increase in lease payments by the Munroe Center for the Arts to the Town.

17. **Pine Meadows Improvements - $65,000 (Recreation and Community Programs Retained Earnings):** This FY17 request will fund the reconstruction of the 4th putting green and the men's tee box on the 8th hole. The unfavorable contours on the 4thgreen have resulted in significant turf injury during the last several winters. Poor surface drainage and underlying drainage have resulted in significant winter kill and a poor putting surface from the loos of turf grass. A Senior Agronomist for the USGA and Pine Meadow's golf course architect have recommended reconstruction of the fourth green to include proper drainage and construction methods. The new green should eliminate past problems of turf loss and disruption of play to golfers supporting Pine Meadows.

    Reconstruction of the men's tee box on the 8th hole (middle tee) would also be funded under this request. The back tee is located in an environmentally sensitive and densely wooded part of the golf course with very little sun. It's also relatively small, which results in fair turf quality that is just able to handle the significant play throughout the golf season. A temporary area in front of the back tee was cut down and is currently used as a middle tee periodically throughout the golf season for the second set of tee markers. This project would reconstruct the middle tee at a slightly higher elevation and greater size with quality soil and a level tee surface. The existing forward and back tee will be used while the new middle tee is under construction.

18. **Park and Playground Improvements - $75,000 (CPA):** Replacement of the 40 year-old safety fencing at the Center Recreation Complex and at the Muzzey Multipurpose Field comprises this FY17 request. Frost heaves have caused the fence posts to come out of the ground, resulting in fencing that has fallen over. The proposed improvements include the removal, disposal and installation of new chain link fences at both locations. The project also includes installation of an eight foot fence next to the baseball and softballs fields at the Center Recreation Complex to minimize balls from hitting cars along Worthen Road.

19. **Town Pool Renovation Design and Engineering Costs - $166,000 (CPA):** This request will partially fund Phase III of a multi-phase renovation program to the Irving H. Mabee Pool Complex. Phases I and II (approved in 2010 and 2011) are complete. The FY17 request seeks funding to determine the design and engineering costs for replacement of the existing filtration system and additional work required to ensure the successful operation of the pool complex. It is expected that a subsequent FY18 request will fund the construction and implementation of the proposed Phase III upgrades.

20. **Park Improvements- Athletic Fields - $120,000 (CPA):** The FY17 request is for $120,000 to renovate the Adams Park Multipurpose Athletic Field located behind the Waldorf School. Renovations will include laser grading the athletic field, grading for proper drainage and adding permanent park benches. The athletic field is utilized by the Waldorf School and youth organizations and undergoes excessive wear. Timely renovations and replacements are critical in order to provide safe and playable fields for all user groups.

21. **Park Improvements- Hard Court Resurfacing - $61,000 (CPA):** The FY17 request is for $61,000 to rehabilitate the basketball courts at Rindge Park and Kineens Park. This

project will include reconstruction of the courts and installation of new backboards and poles. The current surfaces have extensive cracks and frost heaves which require reconstruction. It will also include funding to purchase and permanently install a bike rack at each site.

22. **Granite Forest Pocket Park Construction at Lincoln Park - $30,000 (CPA):** This project proposes construction of a pocket park within Lincoln Park, creating a greenway corridor that will connect the lower park to the upper park. The request for $30,000 in CPA funds would supplement $45,000 in private donations raised by the Lincoln Park Sub-Committee. Design plans call for the installation of granite benches and fixtures and 11 granite pieces donated from the site of the Isaac Mulliken House will be utilized for that purpose.

23. **Election System Upgrade - $81,000 (Free Cash):** FY17 funds are requested for the replacement of the electronic voting system currently used for all elections. Replacement needs include new digital scan tabulators, ballot boxes and related expenses. The current voting system, purchased and implemented in 1999, is supported and serviced on an annual basis to ensure continued operation but has a limited remaining lifespan. Conducting accurate and efficient elections is a critical responsibility of the Town.

Other CPA-Funded Projects

1. **Munroe Tavern Archaeological Dig - $15,000 (CPA):** The Lexington Historical Society plans to add an addition to the Munroe Tavern to house archives and make them more accessible to the public. Their FY17 request for $15,000 would fund the required archaeological dig that precedes construction. In addition to the dig, the project would also include a ground penetrating radar survey of the entire Munroe Tavern site. The survey can help identify other significant features on the property worthy of future exploration.

2. **Lexington Arts and Crafts Society Parsons Gallery Lighting Renovation - $24,280 (CPA):** The Lexington Arts and Crafts Society plans to remove and replace the lighting system in its Parsons Gallery and requests $24,280 in CPA funds to complete the renovation. The Society is also contributing private funds towards the project. After 40 years of use, the existing light fixtures are worn, some are electrically unsafe or cannot be aimed or adjusted and the track system is failing in some locations. The proposal includes replacement of all current fixtures and the track system with an LED system designed for an art gallery.

3. **Keeler Farm Housing Acquisition - $185,000 (CPA):** LexHAB requested $185,000 to potentially fund the purchase of one unit of affordable housing at the new Keeler Farm development. The request was presented as a placeholder since LexHAB is pursuing alternate funding for the purchase. If received, the alternate funding would be used to offset a portion of the purchase price for the property.

4. **Greeley Village Rear Door and Porch Preservation - $263,250 (CPA):** The Lexington Housing Authority (LHA) requests CPA funds to help finance the preservation of all rear exit doors and porches at Greeley Village. LHA has identified the failing doors and porches as priority needs and will utilize CPA funds in conjunction with an allocation received from the State. The proposal includes replacement of the dilapidated rear doors

with new doors and doorframes. The rear porches would be rehabilitated with new steps and railings.

TABLE VIII: DEFERRED FY2017 AND PROPOSED FY2018 TO FY2021 CAPITAL REQUESTS							
Department	**Project Name**	**Deferred 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**FY 2021**	**TOTALS**
Office of Land Use, Health and Development							
	Transportation Mitigation (Planning)	$ -	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 200,000
	Hartwell Avenue Area Transportation Improvements	$ 75,000	$ -	$ -	$ -	$ -	$ 75,000
		$ 75,000	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 275,000**
Economic Development							
	Grain Mill Alley Improvements	$ -	TBD	$ -	$ -	$ -	TBD
		$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Fire and Rescue							
	Ambulance Replacement	$ -	$ 280,000	$ -	$ -	$ 280,000	$ 560,000
	Fire Station Headquarters Replacement	$ -	TBD	TBD	$ -	$ -	TBD
		$ -	**$ 280,000**	**$ -**	**$ -**	**$ 280,000**	**$ 560,000**
Information Services							
	Replace Town Wide Phone Systems-Phase V	$ 203,000	$ 100,000	$ -	$ -	$ -	$ 303,000
	Head End Equipment Replacement - unfunded year	$ -	$ 250,000	$ -	$ 250,000	$ 180,000	$ 680,000
	Municipal Technology Improvement Program- Phase IV	$ -	$ 250,000	$ -	$ 250,000	$ 180,000	$ 680,000
		$ 203,000	**$ 600,000**	**$ -**	**$ 500,000**	**$ 360,000**	**$ 1,663,000**
Police							
	Police Station; Renovation and Add-on Design and Engineering	$ -	$ -	$ -	TBD	TBD	TBD
	Police Outdoor/Indoor Firing Range - Hartwell Avenue	$ -	TBD	$ -	$ -	$ -	TBD
		$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Public Facilities							
	Townwide Roofing Program	$ -	$ 433,200	$ 1,058,500	$ 1,933,384	$ 4,344,595	$ 7,769,679
	School Building Envelope and Systems Program	$ -	$ 221,000	$ 226,000	$ 231,600	$ 237,400	$ 916,000
	LHS Heating Systems Upgrade	$ -	$ 12,864,000	$ -	$ -	$ -	$ 12,864,000
	Municipal Building Envelope and Systems	$ -	$ 192,012	$ 196,812	$ 201,732	$ 206,850	$ 797,406
	School Building Flooring Program	$ -	$ 150,000	$ 125,000	$ 125,000	$ 125,000	$ 525,000
	School Paving Program	$ 153,750	$ 157,593	$ 161,901	$ 166,000	$ 169,848	$ 809,092
	Public Facilities Bid Documents	$ -	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 400,000
	Visitors Center	$ 3,000,000		$ -	$ -	$ -	$ 3,000,000
	Hastings School Renovation/Replacement	$ -	$ 58,500,000	$ -	$ -	$ -	$ 58,500,000
	School Traffic Safety Improvements	$ 203,800	$ 1,311,200	$ 2,234,500	$ 1,235,300	$ 1,077,000	$ 6,061,800
	Public Facilities Mechanical/Electrical System Replacements	$ 423,500	$ 489,000	$ 544,500	$ 605,000	$ 672,000	$ 2,734,000
	LHS Security Evaluation and Upgrade	$ -	$ 289,500	$ -	$ -	$ -	$ 289,500
	LHS Guidance Space Mining - Design	$ 138,000	$ -	$ -	$ -	$ -	$ 138,000
	LHS Nurse Office and Treatment Space - Design	$ 161,000	$ -	$ -	$ -	$ -	$ 161,000
	Building Resiliency Plan	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000
	Lexington High School Visual Arts Sinks	$ 32,729	$ -	$ -	$ -	$ -	$ 32,729
	Hastings Elementary Window Air Conditioning	$ 74,650	$ -	$ -	$ -	$ -	$ 74,650
		$ 4,237,429	**$ 74,707,505**	**$ 4,647,213**	**$ 4,598,016**	**$ 6,932,693**	**$ 95,122,856**
Public Works							
	Center Streetscape Improvements	$ -	$ 2,500,000	$ 2,500,000	$ -	$ -	$ 5,000,000
	Automatic Meter Reading System	$ -	$ 657,250	$ 496,000	$ 496,000	$ -	$ 1,649,250
	Equipment Replacement	$ -	$ 973,000	$ 970,000	$ 850,000	$ 925,000	$ 3,718,000
	Street Improvements	$ -	$ 2,526,835	$ 2,526,835	$ 2,526,835	$ 2,526,835	$ 10,107,340
	Storm Drainage Improvements and NPDES compliance	$ -	$ 340,000	$ 340,000	$ 340,000	$ 340,000	$ 1,360,000
	Sanitary Sewer System Investigation and Improvements	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 4,000,000
	Hydrant Replacement Program	$ -	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 600,000
	Pump Station Upgrades	$ -	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 3,200,000
	Comprehensive Watershed Storm Water Management Study and Implementation	$ -	$ 390,000	$ 390,000	$ 390,000	$ 390,000	$ 1,560,000
	Water Distribution System Improvements	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 4,000,000
	Sidewalk Improvement	$ 200,000	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 3,400,000
	Dam Repair	$ -	$ 530,000	$ -	$ -	$ -	$ 530,000
	Battle Green Master Plan - Phase 3	$ -	$ 570,438	$ -	$ -	$ -	$ 570,438
	Town Wide Culvert Replacement	$ -	$ 390,000	$ 390,000	$ 390,000	$ 390,000	$ 1,560,000
	Town-wide Signalization Improvements	$ -	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 500,000
	Hartwell Avenue Infrastructure Improvements	$ -	$ -	$ -	TBD	$ -	TBD
	Municipal Parking lot improvements	$ -	$ 40,000	$ 440,000	$ -	$ -	$ 480,000
	Hartwell Avenue Compost Site Improvements	$ -	$ 500,000	$ -	$ -	$ -	$ 500,000
	Battle Green Streetscape Improvements	$ -	$ 900,000	$ -	$ -	$ -	$ 900,000
	Westview Cemetery Building Renovations Assessment	$ -	TBD	$ -	$ -	$ -	TBD
	Public Parking lot Improvement Program	$ -	$ 40,000	$ 440,000	$ -	$ -	$ 480,000
	Bikeway Bridge Renovations	$ -	$ 368,000	$ -	$ -	$ -	$ 368,000
	Hartwell Avenue Compost Site Improvements	$ 200,000	$ 175,000	$ -	$ -	$ -	$ 375,000
	Battle Green Streetscape Improvements	$ -	$ 3,000,000	$ -	$ -	$ -	$ 3,000,000
	Westview Cemetery Building Assessment	$ 270,000	$ 2,930,000	$ -	$ -	$ -	$ 3,200,000
	Public Parking lot Improvement Program	$ 100,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,100,000
	Staging for Special Events	$ 60,000	$ -	$ -	$ -	$ -	$ 60,000
		$ 830,000	**$ 21,205,523**	**$ 12,867,835**	**$ 9,367,835**	**$ 8,946,835**	**$ 53,218,028**

TABLE VIII: DEFERRED FY2017 AND PROPOSED FY2018 TO FY2021 CAPITAL REQUESTS (continued)							
Department	**Project Name**	**Deferred 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**FY 2021**	**TOTALS**
Recreation							
	Athletic Facility Lighting	$ -	$ 350,000	$ 505,000	$ -	$ -	$ 855,000
	Pine Meadows Improvements	$ -	$ -	$ -	$ 80,000	$ -	$ 80,000
	Park and Playground Improvements	$ -	$ 60,000	$ -	$ 70,000	$ 70,000	$ 200,000
	Town Pool Renovation	$ -	$ 1,620,000	$ -	$ -	$ -	$ 1,620,000
	Park Improvements - Athletic Fields	$ -	$ 125,000	$ 150,000	$ 400,000	$ 75,000	$ 750,000
	Pine Meadows Equipment	$ -	$ 55,000	$ 55,000	$ 50,000	$ 60,000	$ 220,000
	Park Improvements- Hard Court Resurfacing	$ -	$ -	$ 58,000	$ 43,000	$ 65,000	$ 166,000
	Center Track and Field Reconstruction	$ -	$ -	$ 3,000,000	$ -	$ -	$ 3,000,000
			$ 2,210,000	**$ 3,768,000**	**$ 643,000**	**$ 270,000**	**$ 6,891,000**
Schools							
	Food Service Equipment	$ -	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 140,000
	School Furniture, Equipment & Systems Program	$ -	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 800,000
	LPS Technology Capital Request	$ -	$ 1,320,000	$ 1,320,000	$ 1,320,000	$ 1,320,000	$ 5,280,000
			$ 1,555,000	**$ 1,555,000**	**$ 1,555,000**	**$ 1,555,000**	**$ 6,220,000**
Town Clerk							
	Archives & Records Management/Records Conservation & Preservation	$ -	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 80,000
			$ 20,000	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 80,000**
	GRAND TOTAL	**$ 5,345,429**	**$ 100,628,028**	**$ 22,908,048**	**$ 16,733,851**	**$ 18,414,528**	**$ 164,029,884**