

# **CITY OF NEWTON, MASSACHUSETTS**



## **FY07 SUPPLEMENTAL CAPITAL BUDGET**

**AND**

## **FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM**

**FY08 – FY12**

*David B. Cohen, Mayor*

*Susan R. Burstein, Chief Budget Officer*



David B. Cohen  
Mayor

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November 20, 2006

Honorable Board of Aldermen  
Newton City Hall  
1000 Commonwealth Avenue  
Newton, MA 02459

Ladies and Gentlemen:

I submit for your consideration and approval the FY07 Supplemental Capital Budget and the FY08-12 Capital Improvement Plan.

The FY08-12 Capital Improvement Plan contains projects totaling \$234,922,713. The Supplemental Capital Plan for FY07 contains \$26,753,266 in total spending; of that total, \$3,689,467 is from Free Cash. This spending plan is based \$7.6 million in Free Cash certified by the Department of Revenue. One million two hundred thousand dollars will be used to balance the FY08 Operating Budget.

As has been my practice each year, I will submit the bulk of the capital project appropriations after the snow season, when I will know whether we have had to spend any of our Free Cash fighting and removing snow and ice.

### Highlights

#### **Schools Department**

As you are aware, the new Newton North High School project will give the students and faculty a building that matches the first-rate instruction that our dedicated faculty provides and that our students deserve. Pending the outcome of the referendum on the site plan for this project in January 2007, we will be poised to move forward through the final design phase and the hiring of a construction manager at risk, so that we may be in the ground before July 1, 2007.

To meet the other capital needs of the Schools Department, I have allocated \$900,000 of Free Cash to the Schools Department and over \$1,800,000 in bonding capacity, which the Schools Committee has begun allocating for repairs or replacement of the boilers at Horace Mann and Memorial-Spaulding, windows and doors at Zervas and Mason-Rice, the generator at the Ed Center and at various school buildings in need of masonry repair.

## **Public Buildings**

I respectfully request that we undertake a comprehensive review of the largest municipal facilities this year. The School Committee is in the process of doing such a study of school buildings, and we have received a preliminary report on the state of the city's fire houses. This study would look at the 25 largest municipal sites that comprise over 380,000 of occupied space.

With complete information on the physical structure and all interior systems, degree of conformance with all applicable codes and regulations and opportunities for energy conservation, priorities can be established to properly schedule major maintenance projects later this year and into the future.

## **Public Works**

The Department of Public Works is overseeing the installation of new street lights throughout the city. This project will ensure that the city complies with the federal mandate that all mercury vapor lamps be phased out beginning in 2008. This comprehensive look at lighting throughout the city has also provided an opportunity to review the adequacy of existing situations and make adjustments as warranted. The project will result in more uniform, appropriate levels of lighting in all settings. Equally important is that this project will result in a significant reduction in energy consumption and a resulting savings of approximately \$500,000 per year based on current electricity costs. This savings will more than offset the three year capital investment cost proposed in this budget. In addition, the city is hopeful that we will be eligible for a rebate from the NStar that could reduce the payback time for this project by one third.

The Water Division will continue to clean, line, and rehabilitate water lines within the City. The Sewer Division will continue to assess and mitigate instances of infiltration and inflow to the sewer system. These efforts are essential to reduce sewer overflows and help to manage the city's MWRA sewer assessment.

The Utilities Division continues to be concerned about the aging water meters and meter reading system in the city. A priority has been placed on addressing the need to upgrade these systems by focusing on a replacement strategy, beginning with the largest commercial meters in the city.

This will be the second year that the Department will be bonding to replace their largest trucks most of which were originally purchased in 1979.

## **Library**

I have already submitted a request to fund the replacement of the carpeting for the central staircase in the Main Library building.

## **Fire Department**

The Fire Department will replace the final third of its bunker gear, the protective clothing that firefighters wear, and communication desks in two more fire houses. Last year we committed to spending \$150,000 on capital improvements to fire houses in both FY06 and FY07. In reviewing the reports on the conditions of the roofs, I have included the replacement of two roofs which will cost approximately \$400,000 this year. This work is important to maintain the integrity of the building envelopes.

**Parks and Recreation**

This year's capital spending plan includes the purchase of a multi-function tractor. With this tractor, Park and Recreation staff will be able to undertake the reconstruction of fields that were previously accomplished with an outside vendor. This tractor replaces one no longer in service that was used primarily for turf maintenance. The ability to bring field reconstruction in-house will allow for more timely restoration projects both of fields and courts throughout the city.

The Department will continue to prune and re-plant trees that comprise the City's urban forest. Through Community Preservation Act Funds, the Parks and Recreation Commission is hopeful to be able to place increased focus on the landscaping at City Hall, as well as at parks in Newton Centre, Newton Corner and Chaffin Park.

**Police**

In addition to replacing cruisers, the Department will upgrade the infrastructure of dispatch center to accommodate new dispatch equipment that will be installed by Verizon during the summer of 2007.

I look forward to working with your Honorable Board as you consider the authorization of the capital projects presented in this document.

Very truly yours,

A handwritten signature in dark ink, appearing to read "David B. Cohen". The signature is fluid and cursive, with a prominent loop at the end.

David B. Cohen  
Mayor

**FY07 CAPITAL BUDGET  
FY08-12 CAPITAL IMPROVEMENT PROGRAM**

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## **I. Charter Requirements and Capital/Financial Policies**

**CAPITAL IMPROVEMENT PROGRAM  
CHARTER REQUIREMENTS  
ARTICLE 5, SECTION 3**

(a) Submission - The Mayor shall prepare and submit to the Board of Aldermen a five-year Capital Improvement Program at least six months prior to receipt of the next fiscal year's operating budget.

(b) Contents - The Capital Improvement Program shall include: (1) a clear summary of its contents; (2) a list of all capital improvements proposed to be undertaken during the next five fiscal years with supporting data; (3) cost estimates, method of financing, and recommended time schedules; and (4) the estimated annual cost of operating and maintaining the facilities included. The above information shall be revised and extended each year.

(c) Public Hearing - The Board of Aldermen shall publish in one or more newspapers of general circulation in the City the general summary of the Capital Improvement Program and a notice stating: (1) the times and places where copies of the Capital Improvement Program are available for inspection by the public, and (2) the date, time, and place, not less than two weeks after such publication, when a public hearing on said program will be held by the Board of Aldermen.

(d) Adoption - After the public hearing, concurrently with the passage of the next fiscal year's budget, the Board of Aldermen shall by resolution adopt the Capital Improvement Program with or without amendment (Referendum of 11-4-75).

**CAPITAL PROJECT ACCOUNTING AND  
CAPITAL STABILIZATION FUND  
(Board order #485-92)**

1. All capital appropriations are to be made for project purposes, are to be presented in specific line item format (i.e. design, project management, construction, equipment, etc.). An estimated project completion schedule shall also be included with each capital appropriation request.

2. Appropriations for the acquisition, construction, or reconstruction of "major capital facilities" are to be made to a Capital Improvement Fund instead of the General Fund, regardless of the financing source for the capital appropriation. "Major capital facilities" will be defined as any acquisition, construction, or reconstruction project which has an estimated cost of \$500,000 or more and is expected to take more than a single fiscal year to complete. Capital appropriations of less than \$500,000, and those which are expected to be completed within a single year will continue to be appropriated to the General Fund.

3. As capital projects are completed during the course of a fiscal year, the responsible department head shall notify the Comptroller, who shall close unobligated appropriation balances to the Capital Stabilization Fund. All year-end encumbered capital appropriation balances shall be brought forward from one year to the next, without any action of the responsible department head.

Not later than July 15 of each fiscal year, each department head having a capital appropriation in either the Capital Improvement or General Fund, for which there is an unexpended and unencumbered balance at June 30, shall provide the Comptroller with a detailed request to carry the balance forward into the new fiscal year. This request shall contain a detailed

description of the work to be performed, including any variations from the original plan, and a projected schedule for completion of the project.

Prior to closing any appropriation for a capital project which has not been completed, the Comptroller shall obtain the concurrence of both the Mayor and Board of Aldermen.

4. A Capital Stabilization Fund shall be established within the Capital Improvement Fund section of the City's books. The Comptroller is hereby authorized to close all completed general revenue and free cash financed capital appropriation balances in both the General and Capital Improvement Funds to this fund.

No expenditures shall be made from the Capital Stabilization Fund. The fund shall serve solely as a source for financing future capital needs.

Unobligated balances in bonded capital project accounts shall be transferred to the Capital Stabilization Fund at the completion of each such capital project. These balances shall be reserved for future appropriation in accordance with the municipal finance laws.

To the extent that the Mayor and Board of Aldermen have not voted to designate Capital Stabilization funds for a specific future project, the Unreserved Fund Balance in the Capital Stabilization Fund shall be available for appropriation for additional capital needs.

5. To the extent that undesignated and unreserved funds are available in the Capital Stabilization Fund at the time that the Capital Budget is submitted to the Board of Aldermen, this fund shall be used as the priority source for capital appropriations. Free Cash shall not be used as a financing source for a capital appropriation while equal funding is available in the Capital Stabilization Fund.

6. The Comptroller shall provide the Mayor and Board of Aldermen with a quarterly and annual detailed report on the status of all capital appropriations, including a summary of all activity into and out of the Capital Stabilization Fund.

## **CAPITAL IMPROVEMENT PROGRAM GOALS**

The Capital Improvement Program (CIP) shall be updated annually based upon changes in the City's capital needs and financing availability in order to: identify needed improvements and/or additions to the City's equipment and infrastructure; schedule projects in priority order over the ensuing five-year period; and ensure adherence to City financial policy and City Charter requirements.

## **CIP FINANCING SOURCES**

In order to be a meaningful and useful management tool, the Capital Improvement Program must be based upon a realistic financing plan. The financing plan for the Capital Improvement Plan continues the City of Newton's established policy of pay-as-you-go financing, combined with prudent use of available debt financing capacity. This policy has allowed the City to obtain and maintain a AAA credit rating since 1974.

Financing sources included in the Capital Improvement Plan are divided into two categories Tax-Supported and Non-Tax-Supported.

### **Tax-Supported Funding Sources**

General Obligation Bonds – The City sells tax exempt bonds, usually in March each year. The annual debt service is included in the Operating Budget.

Free Cash - Unreserved fund balance, certified by the Mass. Department of Revenue, as of the end of the previous fiscal year.

Operating Budget (General Fund) - Annual departmental budgets, supported primarily by property taxes, local revenue, and state aid.

Community Preservation Act – One percent of tax levy for housing, open space, recreation, and historic preservation.

Other - Funds such as Overlay Surplus, Capital Stabilization, and Sale of Municipal Buildings.

### **Non-Tax-Supported Funding Sources**

State and Federal Grants - Project specific or block grants from federal, state, or other governmental agencies.

Parking Meter Receipts - Curb and parking lot parking meter fees (less appropriation of these funds in the operating budget to partially offset street lighting costs).

Water and Sewer Revenue - Fees and charges paid by water/sewer customers, which are used to support the Operating Budget (Special Revenue Fund) and generate a Water/Sewer Fund Balance (surplus available for water/sewer purposes).

Stormwater Fund – Stormwater fees, which are used to fund the operating budget cost related to stormwater management and control.

Community Development Block Grant - Federal aid received to aid low and moderate income families and other targeted persons. Under federal guidelines, spending must be targeted to project types or neighborhoods.

Other - City trust or other funds designated for specific purposes by law, charter or ordinance. Includes donations and gifts.

## **DEFINITION OF CAPITAL PROJECTS**

A Capital Project is a physical public betterment or improvement involving facilities, land, or equipment, with a substantial useful life and a cost of \$10,000 or more.

Items classified as capital projects include:

- new public buildings (including equipment needed to furnish such buildings);
- significant alterations, additions or improvements to existing public buildings;
- land improvements, acquisition, and development;
- equipment replacement and/or refurbishing;
- street reconstruction and major resurfacing;
- pedestrian walkway construction and major rehabilitation;
- water main construction and rehabilitation;
- sanitary sewer and storm drain construction and rehabilitation; and
- long-range planning studies.

## **CAPITAL IMPROVEMENT PLAN POLICIES**

Capital projects shall be undertaken in order to satisfy documented needs and demands of the City of Newton. The Capital Improvement Program shall be a realistic multi-year plan of capital spending, based upon revenues and other financial resources that may reasonably be anticipated over the term of the plan. All capital project proposals shall be thoroughly evaluated in terms of their estimated impact upon the annual operating budget of the City of Newton. The City will maintain its existing capital investments to minimize future maintenance and replacement costs.

Capital improvements shall meet one of the following criteria:

- Enhance protection of public health and/or safety.
- Ensure compliance with state and/or federal law or administrative regulations.
- Reduce and/or stabilize operating budget costs.
- Prolong the functional life of a capital asset of the City by 10 years or more.
- Encourage further expansion of the City's real estate tax base, employment or housing.
- Improve the ability of the City to deliver services.

## **OTHER FINANCIAL POLICIES**

The mere availability of state and/or federal funds shall not necessarily result in the initiation of a capital project. The City will utilize free cash only for capital projects, reserves and obligations of prior fiscal years. Special Revenue Funds will be reviewed annually in the context of the CIP. Unreserved fund balances will be utilized for capital projects in conformity with General Laws.

Long-term debt will be consistent with the following guidelines:

- The City will maintain a debt schedule with 50% of outstanding principal maturing within ten years.
- The City will limit long-term debt to those capital improvements which cannot be financed from existing fund balances or current revenues.
- The maturity of long-term debt will be consistent with, or less than, the expected lifetime of the project.
- The City will use special assessments, revenue bonds, and other available self-liquidating debt measures in lieu of general obligation bonds whenever possible. Water/sewer revenue will offset water/sewer-related debt service.
- General Fund Debt Service will be approximately 3% of General Fund Revenue. Total capital expenditures will be approximately 5% of General Fund Revenue.
- Good communication with rating agencies will be maintained, and a policy of full disclosure on every financial report and bond prospectus will be followed.

## **II. Debt Plans and Prior Year Spending**

<b>ANNUAL CAPITAL SPENDING AUTHORIZATIONS, FY02-F06</b>						
<b>FUNDING SOURCE</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>	<b>FY06</b>	<b>TOTAL</b>
Debt - General Fund	0	0	2,120,000	4,450,000	3,985,000	10,555,000
Debt - Water/Sewer	0	1,244,039	2,586,019	0	12,804,905	16,634,963
Debt - CPA		5,000,000	0	1,500,000	0	6,500,000
Free Cash	1,924,148	1,057,724	1,240,905	57,665	291,248	4,571,690
State/Federal Grants	2,418,946	3,805,157	2,978,496	1,176,958	1,150,000	11,529,557
Reserved Receipts <sup>(2)</sup>	153,915	180,824	850,020	505,000	116,500	1,806,259
Water/Sewer Revenue	985,000	1,099,000	1,054,395	1,303,920	1,495,333	5,937,648
Operating Budget	691,642	1,074,823	1,051,551	1,608,716	515,044	4,941,776
CDBG	372,136	219,251	248,000	411,482	250,443	1,501,312
Capital Stabilization	645,450	104,575	363,350	328,400	166,372	1,608,147
Overlay Surplus	105,000	0	500,000	0	0	605,000
Comm. Preservation Act		4,362,310	276,238	1,726,180	1,748,643	8,113,371
<b>Total</b>	<b>7,296,237</b>	<b>18,147,703</b>	<b>13,268,974</b>	<b>13,068,321</b>	<b>22,523,488</b>	<b>74,304,723</b>
<sup>(1)</sup> State/Federal Grants include: Ch. 90, Transportation Improvement Plan (TIP), and other grants.						
<sup>(2)</sup> Reserved Receipts includes: Parking Meter, Marathon, Capital Stabilization, E-rate, Additional Lottery, Commonwealth Golf Proceeds, and Sale of Public Buildings funds.						
<b>DEPARTMENTS</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>	<b>FY06</b>	<b>TOTAL</b>
Public Works	3,690,396	6,312,745	5,936,672	4,491,063	17,199,681	37,630,557
Public Safety	674,358	626,201	1,964,395	585,665	1,406,255	5,256,874
Public Buildings	498,599	728,086	357,150	476,759	828,904	2,889,498
Schools	604,832	594,674	3,158,950	4,079,737	1,597,633	10,035,826
Parks and Recreation	609,306	241,400	486,000	519,348	534,659	2,390,713
Other Departments	1,218,746	3,964,143	1,091,569	420,049	90,431	6,784,938
CPA - Historic		0	20,000	517,000	78,500	615,500
CPA - Open Space		5,023,718	0	1,491,700	0	6,515,418
CPA - Recreation		656,736	254,238	487,000	787,425	2,185,399
<b>TOTAL</b>	<b>7,296,237</b>	<b>18,147,703</b>	<b>13,268,974</b>	<b>13,068,321</b>	<b>22,523,488</b>	<b>74,304,723</b>
These tables list the value of projects authorized each year. The proceeds from debt may be expended over several years.						

Permanent debt for these projects has been issued.

**General Fund Issued Debt**

	FY02	FY03	FY04	FY05	FY06
<b>PUBLIC WORKS:</b>					
Countryside Road Street Improvements					524,000
DPW Equipment Replacement					887,000
<b>SUBTOTAL PUBLIC WORKS</b>	-	-	-	-	<b>1,411,000</b>
<b>PUBLIC EDUCATION:</b>					
Memorial-Spaulding Renovation	4,910,000				
Countryside School Improvements					149,000
School Boiler Improvements					405,000
Peirce School Improvements					560,000
NSHS HVAC Improvements					260,000
Elementary School Improvements					200,000
High School Renovations			5,700,000	10,000,000	10,000,000
<b>SUBTOTAL PUBLIC EDUCATION</b>	<b>4,910,000</b>	-	<b>5,700,000</b>	<b>10,000,000</b>	<b>11,574,000</b>
<b>PUBLIC SAFETY</b>					
Fire Ladder Replacement					850,000
<b>SUBTOTAL PUBLIC SAFETY</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>850,000</b>
<b>TOTAL GENERAL OBLIGATION</b>	<b>4,910,000</b>	<b>0</b>	<b>5,700,000</b>	<b>10,000,000</b>	<b>13,835,000</b>
<b>OPENING GENERAL DEBT</b>	<b>28,191,743</b>	<b>28,235,671</b>	<b>23,376,457</b>	<b>24,816,017</b>	<b>30,219,471</b>
+ Debt Issued	4,910,000	-	5,700,000	10,000,000	13,835,000
- Principal Payments	4,866,072	4,859,215	4,260,440	4,596,546	4,768,215
<b>CLOSING GENERAL DEBT</b>	<b>28,235,671</b>	<b>23,376,457</b>	<b>24,816,017</b>	<b>30,219,471</b>	<b>39,286,256</b>

**Community Preservation Act Issued Debt**

	FY02	FY03	FY04	FY05	FY06
Kessler Woods Acquisition			5,000,000		
Angino Farm Acquisition				1,500,000	
<b>Total CPA Debt</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>1,500,000</b>	<b>0</b>
<b>OPENING CPA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>6,000,000</b>
+ Debt Issued	0	0	5,000,000	1,500,000	0
- Principal Payments	0	0	0	500,000	800,000
<b>CLOSING CPA</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>6,000,000</b>	<b>5,200,000</b>

**Water/Sewer Issued Debt**

	FY02	FY03	FY04	FY05	FY06
<b>WATER/SEWER DEBT</b>					
MWRA Loan - Sewer		271,865			
MWRA Water System Improvements	2,586,019	2,586,019	2,586,020	2,586,020	2,586,019
MWPAT Sewer I&I	469,731	352,275			52,525
<b>TOTAL WATER/SEWER</b>	<b>3,055,750</b>	<b>3,210,159</b>	<b>2,586,020</b>	<b>2,586,020</b>	<b>2,638,544</b>
<b>OPENING WATER/SEWER DEBT</b>	<b>14,929,099</b>	<b>16,554,688</b>	<b>18,148,650</b>	<b>18,948,425</b>	<b>19,560,919</b>
+ Debt Issued	3,055,750	3,210,159	2,586,020	2,586,020	2,638,544
- Principal Payments	1,430,161	1,616,197	1,786,245	1,973,526	2,062,088
<b>CLOSING WATER/SEWER DEBT</b>	<b>16,554,688</b>	<b>18,148,650</b>	<b>18,948,425</b>	<b>19,560,919</b>	<b>20,137,375</b>

**TOTAL PRIOR DEBT**

<b>TOTAL DEBT, START OF YEAR</b>	<b>43,120,842</b>	<b>44,790,359</b>	<b>41,525,107</b>	<b>48,764,442</b>	<b>55,780,390</b>
+ Debt Issued	7,965,750	3,210,159	13,286,020	14,086,020	16,473,544
- Principal Payments	6,296,233	6,475,411	6,046,685	7,070,072	7,630,303
<b>TOTAL DEBT, END OF YEAR</b>	<b>44,790,359</b>	<b>41,525,107</b>	<b>48,764,442</b>	<b>55,780,390</b>	<b>64,623,631</b>

## General Fund Future Debt

Projected year when permanent debt will be issued.

TAX-SUPPORTED DEBT	FY07	FY08	FY09	FY10	FY11	FY12
<b>NEW DEBT CITYWIDE</b>						
Future Projects Citywide	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
New Turf	1,800,000					
Street Light Replacement	900,000					
<b>SUBTOTAL NEW DEBT</b>	<b>5,300,000</b>	<b>3,500,000</b>	<b>3,500,000</b>	<b>3,500,000</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>PUBLIC EDUCATION:</b>						
<i>NNHS Project</i>	20,400,000	39,583,334	32,083,333	48,933,333		
<i>NSHS Project</i>	0					
<b>SUBTOTAL EDUCATION</b>	<b>20,400,000</b>	<b>39,583,334</b>	<b>32,083,333</b>	<b>48,933,333</b>	<b>0</b>	<b>0</b>
<b>TOTAL TAX-SUPPORTED</b>	<b>25,700,000</b>	<b>43,083,334</b>	<b>35,583,333</b>	<b>52,433,333</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>OPENING TAX-SUPPORTED DEBT</b>	<b>39,286,257</b>	<b>60,051,534</b>	<b>97,139,666</b>	<b>124,923,848</b>	<b>169,028,542</b>	<b>161,872,817</b>
Debt Issued	25,700,000	43,083,334	35,583,333	52,433,333	3,500,000	3,500,000
Debt Retired - FY05 and prior years	4,242,973	3,688,452	3,338,234	2,088,556	2,093,975	1,578,497
Debt Retired - FY06 - FY12	691,750	2,306,750	4,460,917	6,240,083	8,561,750	8,736,750
<b>ENDING TAX-SUPPORTED DEBT</b>	<b>60,051,534</b>	<b>97,139,666</b>	<b>124,923,848</b>	<b>169,028,542</b>	<b>161,872,817</b>	<b>155,057,570</b>

## Community Preservation Act Future Debt

Kessler Woods Acquisition

Angino Farm Acquisition

New Turf

New Turf	2,253,000					
<b>OPENING CPA DEBT</b>	<b>5,200,000</b>	<b>6,653,000</b>	<b>5,627,700</b>	<b>4,602,400</b>	<b>3,577,100</b>	<b>2,851,800</b>
Debt Issued	2,253,000	0	0	0	0	0
Debt Retired - FY05 and prior years	800,000	800,000	800,000	800,000	500,000	500,000
Debt Retired - FY06 - FY12		225,300	225,300	225,300	225,300	225,300
<b>ENDING CPA DEBT</b>	<b>6,653,000</b>	<b>5,627,700</b>	<b>4,602,400</b>	<b>3,577,100</b>	<b>2,851,800</b>	<b>2,126,500</b>

## Water/Sewer Future Debt

WATER/SEWER DEBT	FY07	FY08	FY09	FY10	FY11	FY12
Water Meter Replacement	700,000	2,500,000	2,500,000			
MWPAT Sewer I&I						
MWRA Sewer I & I	500,000	500,000	500,000	500,000	500,000	500,000
MWRA Water Main Rehabilitation	2,586,020	2,586,020	2,586,020	2,586,020	2,586,020	2,586,020
<b>TOTAL WATER/SEWER</b>	<b>3,786,020</b>	<b>5,586,020</b>	<b>5,586,020</b>	<b>3,086,020</b>	<b>3,086,020</b>	<b>3,086,020</b>
<b>OPENING WATER/SEWER DEBT</b>	<b>20,084,852</b>	<b>21,528,427</b>	<b>24,472,922</b>	<b>26,933,544</b>	<b>26,331,795</b>	<b>25,377,075</b>
Debt Issued	3,786,020	5,586,020	5,586,020	3,086,020	3,086,020	3,086,020
Debt Retired - FY05 and prior years	2,073,393	1,943,871	1,819,142	1,772,911	1,767,280	1,516,123
Debt Retired - FY06 - FY12	269,052	697,654	1,306,256	1,914,858	2,273,460	2,632,062
<b>ENDING WATER/SEWER DEBT</b>	<b>21,528,427</b>	<b>24,472,922</b>	<b>26,933,544</b>	<b>26,331,795</b>	<b>25,377,075</b>	<b>24,314,910</b>

## TOTAL FUTURE DEBT

<b>TOTAL DEBT, START OF YEAR</b>	<b>64,571,109</b>	<b>88,232,961</b>	<b>127,240,288</b>	<b>156,459,792</b>	<b>198,937,437</b>	<b>190,101,692</b>
Debt Issued	31,739,020	48,669,354	41,169,353	55,519,353	6,586,020	6,586,020
Debt Retired - FY05 and prior years	7,116,366	6,432,323	5,957,376	4,661,467	4,361,255	3,594,620
Debt Retired - FY06 - FY12	960,802	3,229,704	5,992,473	8,380,241	11,060,510	11,594,112
<b>CLOSING TOTAL DEBT</b>	<b>88,232,961</b>	<b>127,240,288</b>	<b>156,459,792</b>	<b>198,937,437</b>	<b>190,101,692</b>	<b>181,498,980</b>

CITY OF NEWTON  
DEBT SCHEDULE  
Fiscal Year ended June 30, 2006

	Issue Date	Beginning Balance	New Issues/ Authorizations	Debt Maturities	Ending Balance	Total Interest	
<b>ISSUED LONG TERM DEBT:</b>							
<b>Public Schools:</b>							
	Newton South High School Renovations	04/15/96	520,000	-	520,000	-	24,440
	F.A. Day Middle School Renovations	02/26/97	348,700	-	177,000	171,700	16,038
	Oak Hill Middle School Renovations	02/26/97	400,000	-	200,000	200,000	18,400
	Brown Middle School Renovations	02/26/97	365,050	-	183,000	182,050	16,792
	Newton South High School Science Labs	03/10/98	150,000	-	50,000	100,000	6,525
	Oak Hill Middle School Renovations	03/10/98	900,000	-	300,000	600,000	39,150
	Newton South High School Science Labs	03/15/99	920,000	-	230,000	690,000	37,375
	Oak Hill Middle School Renovations	03/15/99	1,880,000	-	470,000	1,410,000	76,375
	Bowen Elementary School Tier I Renovations	03/15/99	1,340,000	-	335,000	1,005,000	54,437
	Carr School Repurchase	03/15/99	840,000	-	210,000	630,000	34,125
	Bowen Elementary School Tier I Renovations	07/15/00	165,000	-	30,000	135,000	7,095
	Williams Elementary School Tier I Renovations	07/15/00	2,405,000	-	400,000	2,005,000	104,437
	Memorial Elementary School Tier I Renovations	08/15/01	3,410,000	-	500,000	2,910,000	123,400
	High School Design	08/15/03	5,130,000	-	570,000	4,560,000	143,070
	High School Renovations	02/24/05	10,000,000	-	500,000	9,500,000	359,875
	High School Renovations	02/15/06	-	10,000,000	-	10,000,000	-
	Countryside School Improvements	02/15/06	-	149,000	-	149,000	-
6	School Boiler Improvements	02/15/06	-	405,000	-	405,000	-
	Peirce School Improvements	02/15/06	-	560,000	-	560,000	-
	NSHS HVAC Improvements	02/15/06	-	260,000	-	260,000	-
	Elementary School Improvements	02/15/06	-	200,000	-	200,000	-
	<b>Public School Total:</b>		<b>28,773,750</b>	<b>11,574,000</b>	<b>4,675,000</b>	<b>35,672,750</b>	<b>1,061,534</b>
<b>Public Works:</b>							
	MWPAT Sanitary Landfill Closure Pool #4 (1)	02/15/98	1,941,600	-	120,500	1,821,100	24,142
	Countryside Road Street Improvements	02/15/06	-	524,000	-	524,000	-
	DPW Equipment Replacement	02/15/06	-	887,000	-	887,000	-
	<b>Public Works Total:</b>		<b>1,941,600</b>	<b>1,411,000</b>	<b>120,500</b>	<b>3,232,100</b>	<b>24,142</b>
<b>Sanitary Sewer System:</b>							
	Sewer Construction	02/26/97	106,250	-	50,000	56,250	4,891
	Elgin Street Sewer Construction	03/10/98	40,000	-	10,000	30,000	1,625
	MWPAT Sewer I&I Program Loan Pool #5 (2)	10/06/99	5,174,649	-	283,920	4,890,729	63,360
	MWPAT Sewer I&I Program Loan Pool #6 - 99-27 (3)	11/10/00	6,472,884	-	325,318	6,147,566	74,472
	MWRA Sanitary Sewer Infiltration/Inflow Reduction	09/24/01	24,468	-	12,234	12,234	-
	MWRA Sanitary Sewer Infiltration/Inflow Reduction	02/22/02	97,152	-	48,576	48,576	-
	MWRA Sanitary Sewer Infiltration/Inflow Reduction	05/31/02	28,358	-	14,179	14,179	-

CITY OF NEWTON  
DEBT SCHEDULE  
Fiscal Year ended June 30, 2006

	Issue Date	Beginning Balance	New Issues/ Authorizations	Debt Maturities	Ending Balance	Total Interest
MWPAT Sewer I&I Program CW-00-55 {4}	07/03/02	111,128	-	4,804	106,324	1,297
MWRA Sanitary Sewer Infiltration/Inflow Reduction	11/01/02	211,365	-	70,455	140,910	-
MWRA Sanitary Sewer Infiltration/Inflow Reduction	02/01/03	67,419	-	22,473	44,946	-
MWRA Sanitary Sewer Infiltration/Inflow Reduction	05/01/03	95,700	-	31,900	63,800	-
MWRA Sanitary Sewer Infiltration/Inflow Reduction	02/01/06	-	52,525	-	52,525	-
<b>Sanitary Sewer System Total:</b>		<b>12,429,373</b>	<b>52,525</b>	<b>873,859</b>	<b>11,608,039</b>	<b>145,645</b>
<b>Water System:</b>						
Eliot Street Water/Sewer Yard Improvements	03/10/98	120,000	-	30,000	90,000	4,875
MWRA Water System Improvements	09/28/00	644,894	-	107,483	537,411	-
MWRA Water System Improvements	02/15/01	906,717	-	151,119	755,598	-
MWRA Water System Improvements	02/15/02	1,810,214	-	258,602	1,551,612	-
MWRA Water System Improvements	08/15/02	2,068,815	-	258,602	1,810,213	-
MWRA Water System Improvements	02/26/04	2,327,417	-	258,602	2,068,815	-
MWRA Water System Improvements	11/18/04	2,586,019	-	258,602	2,327,417	-
MWRA Water System Improvements	05/19/06	-	2,586,019	-	2,586,019	-
<b>Water System Total:</b>		<b>10,464,076</b>	<b>2,586,019</b>	<b>1,323,010</b>	<b>11,727,085</b>	<b>4,875</b>
<b>Public Safety</b>						
Fire Ladder Replacement	02/15/06	-	850,000	-	850,000	-
<b>Municipal Buildings &amp; Facilities Total:</b>		<b>-</b>	<b>850,000</b>	<b>-</b>	<b>850,000</b>	<b>-</b>
<b>Community Preservation</b>						
Kessler Woods Land Acquisition - Open Space Acquisition	12/16/03	4,500,000	-	500,000	4,000,000	115,750
Angino Farm Land Acquisition - Open Space Acquisition	02/24/05	900,000	-	180,000	720,000	29,430
Angino Farm Land Acquisition - Historic Preservation	02/24/05	300,000	-	60,000	240,000	9,810
Angino Farm Land Acquisition - Community Recreation	02/24/05	300,000	-	60,000	240,000	9,810
<b>Community Preservation Total:</b>		<b>6,000,000</b>	<b>-</b>	<b>800,000</b>	<b>5,200,000</b>	<b>164,800</b>
<b>Other Debt:</b>						
Commonwealth of Massachusetts Pension Benefit Loan	08/31/96	2,600,000	-	-	2,600,000	-
<b>TOTAL LONG TERM DEBT</b>		<b>62,208,799</b>	<b>16,473,544</b>	<b>7,792,369</b>	<b>70,889,974</b>	<b>1,400,996</b>

{1} Landfill Closure Liability recorded gross of State subsidy.  
FY 2006 maturity includes \$27,286 maturity subsidy.

{3} Sewer I&I Liability recorded gross of State subsidy.  
FY 2006 maturity includes \$68,923 maturity subsidy.

{2} Sewer I&I Liability recorded gross of State subsidy.  
FY 2006 maturity includes \$65,064 maturity subsidy.

{4} Sewer I&I Liability recorded gross of State subsidy.  
FY 2006 maturity includes \$795 maturity subsidy.

CITY OF NEWTON  
DEBT SCHEDULE  
Fiscal Year ended June 30, 2006

Issue Date	Beginning Balance	New Issues/ Authorizations	Debt Maturities	Ending Balance	Total Interest
<b>BOND ANTICIPATION NOTES:</b>					
Public School Bond Anticipation Notes- High School Renovations	49,500,000	34,120,000	71,560,000	12,060,000	1,391,119
<b>TOTAL SHORT TERM DEBT</b>	<b>49,500,000</b>	<b>34,120,000</b>	<b>71,560,000</b>	<b>12,060,000</b>	<b>1,391,119</b>

{5} June 30, 2006 outstanding bond anticipation notes includes:

Newton South High School - Outstanding SBAB reimbursement	8,707,753
Newton South High School New Construction Preliminary Design:	3,800,000
<b>Total 6/30/2006 outstanding bond anticipatin notes</b>	<b>12,507,753</b>

<b>AUTHORIZED &amp; UNISSUED DEBT</b>	Beginning Balance	New Authorizations	Issued/Retired	Ending Balance
High School Renovations - (#268-00A)	50,120	(50,120)	-	-
Newton North High School Renovations (#268-00B)	33,520,407	(36,509,395)	2,988,988	-
Newton South High School Renovations (#268-00(B) & #268-00(6)	2,120,000	-	24,451,012	26,571,012
Newton South High School Renovations (#108-05)	-	260,000	(260,000)	-
Peirce Elementary School Improvements (#157-05)	560,000	-	(560,000)	-
Countryside Elementary Improvements (#158-05)	149,000	-	(149,000)	-
School Boiler Replacements (#159-05)	405,000	-	(405,000)	-
School Boiler Replacements (#265-06)	-	500,000	-	500,000
Street Betterment Improvements (#133-05)	650,000	(126,000)	(524,000)	-
Fire Station Improvements (#378-05)	-	150,000	-	150,000
Public Works Equipment Replacement (#457-05)	-	887,000	(887,000)	-
Fire Ladder Truck Replacement (#454=05)	-	850,000	(850,000)	-
Elementary School Renovations (#456-05)	-	200,000	(200,000)	-
Sewer Waste Water Facilities (#763-85 (1))	179,243	-	(52,525)	126,718
Sewer I& I Removal - (#226-03)	1,244,039	-	-	1,244,039
Sewer I& I Removal - MW PAT (#195-98)	3,144,357	-	-	3,144,357
Water Main Rehabilitation -MWRA (#38-05)	-	12,804,905	(2,460,829)	10,344,076
Water Main Rehabilitation -MWRA (#114-00)	125,190	-	(125,190)	-
<b>TOTAL AUTHORIZED &amp; UNISSUED DEBT</b>	<b>42,147,356</b>	<b>(21,033,610)</b>	<b>20,966,456</b>	<b>42,080,202</b>

**III. FY07 Capital Budget and Proposed Capital Spending**

**FY07 CAPITAL PLAN**  
**CAPITAL PROJECTS LISTED BY SOURCE OF FUNDS**

Rank	DEPARTMENT	PROJECT	REQUEST	TOTAL
<b>Free Cash</b>				
1	Board of Aldermen	Sound and Projection Upgrades to Aldermanic Chambers	\$16,500	\$16,500
1	Board of Aldermen	Multimedia Carts for Conference Rooms	\$6,050	\$22,550
1	Fire	Replace Bunker Gear	\$115,000	\$137,550
1	Fire	Replace Watch Desks	\$30,000	\$167,550
1	Fire	SCBA Equipment	\$250,000	\$417,550
1	Fire	Fire Vehicles	\$50,000	\$467,550
1	Library	Replace stair covering on central circular stair	\$15,000	\$482,550
1	Parks & Recreation	Tree Planting/Pruning	\$25,000	\$507,550
1	Parks & Recreation	Turf Control	\$25,000	\$532,550
1	Parks & Recreation	Court Repairs	\$100,000	\$632,550
1	Parks & Recreation	Field Renovations	\$25,000	\$657,550
1	Police	Police Headquarters Dispatch Improvements	\$116,650	\$774,200
1	Police	Priority Vehicle replacement	\$74,000	\$848,200
1	Public Buildings	Environmental Remediation	\$100,000	\$948,200
1	Public Buildings	Public Buildings Facilities Analysis	\$200,000	\$1,148,200
1	Public Works	Installation of New Sidewalks	\$75,000	\$1,223,200
1	Public Works	Upgrade Street Lighting	\$1,000,000	\$2,223,200
1	School	School Allocation	\$900,000	\$3,123,200
1	Veterans	Flag Pole Painting	\$8,000	\$3,131,200
2	Information Technology	Geographic Information Systems	\$23,226	\$3,154,426
2	Information Technology	Citywide Network Hardware/Software	\$34,760	\$3,189,186
2	Information Technology	Desktop Computers	\$26,675	\$3,215,861
2	Information Technology	Computer Software	\$8,625	\$3,224,486
2	Parks & Recreation	Tree Planting/Pruning	\$25,000	\$3,249,486
2	Parks & Recreation	Turf Control	\$25,000	\$3,274,486
2	Parks & Recreation	Court Repairs	\$100,000	\$3,374,486
2	Parks & Recreation	Field Renovations	\$25,000	\$3,399,486
2	Planning	Tree and Pathway Maintenance in Conservation Areas	\$10,000	\$3,409,486
2	Public Works	Installation of New Sidewalks	\$75,000	\$3,484,486
2	Purchasing	Cars for Various Departments	\$100,000	\$3,584,486
3	Public Buildings	Van Replacement	\$50,400	\$3,634,886
3	Public Works	Covered Fuel Dispensers with new Pumps	\$20,000	\$3,654,886
3	Purchasing	Photocopiers	\$34,581	\$3,689,467
<b>General Fund Debt</b>				
	Parks & Recreation	New Vehicles/Equipment	\$210,000	\$210,000
	Public Buildings	Fire Station #4 Roof Replacement	\$190,166	\$400,166
	Public Buildings	Fire Station #7 Roof Replacement	\$207,000	\$607,166
	Public Buildings	Carr School Boiler Replacement	\$375,000	\$982,166
	Public Works	Heavy Equipment	\$750,000	\$1,732,166
	School	Various Building upgrades	\$1,850,000	\$3,582,166
	Public Works	Upgrade Street Lighting	\$900,000	\$4,482,166
	Parks & Recreation	New Turf - Newton South	\$1,800,000	\$6,282,166

**Community Preservation Act**

City Clerk	Archives Preservation Project	150,000	\$150,000
Jackson Homestead/Muse	Durant Kenrick Homestead	2,710,000	\$2,860,000
Parks & Recreation	Newton Corner/Farlow and Chaffin Parks Preservation	472,000	\$3,332,000
Parks & Recreation	City Hall Landscape	1,154,000	\$4,486,000
Fire	Bronze doors and lights at Fire headquarters	9,000	\$4,495,000
Public Works	Lighting in Jefferson Square, Newton Corner	117,790	\$4,612,790
Parks & Recreation	Newton Centre Playground Access	616,000	\$5,228,790
Public Works	Cheesecake Brook Greenway Improvements	347,036	\$5,575,826
Parks & Recreation	New Turf - Newton South	2,253,000	\$7,828,826
Parks & Recreation	Crystal Lake Acquisition		

**Community Development Block Grant (CDBG)**

Public Works	Road and sidewalk reconstruction - Cook Street	\$200,000	\$200,000
Public Works	ADA Access Curb Cuts and accessible pedestrian signals	\$65,940	\$265,940
Public Works	Cheesecake Brook Repair and Rebuild Retaining Wall	\$300,000	\$565,940
Public Works	Newton Corner Pedestrian Improvements	\$70,000	\$635,940
Parks & Recreation	Charlesbank Park	\$35,000	\$670,940
Parks & Recreation	Farlow Park	\$32,000	\$702,940
Parks & Recreation	Chaffin Park	\$20,000	\$722,940
Public Works	Church/Richardson/ Oakland Traffic Improvements	\$27,500	\$750,440
Public Buildings	Public Facilities and Park access	\$75,360	\$825,800

**Water And Sewer - Surplus, Grants, Loans**

Public Works	Equipment replacement	\$582,500	\$582,500
Public Works	Wastewater Pump Stations Improvements	\$50,000	\$632,500
Public Works	Painting water tanks and Improve Security	\$620,000	\$1,252,500
Public Works	Water Main Replacement, Cleaning & Lining	\$2,600,000	\$3,852,500
Public Works	Water Meter and Reading System Replacement	\$100,000	\$3,952,500
Public Works	Underdrains Throughout City - Evaluation, Design and Construction	\$80,000	\$4,032,500
Public Works	Design and Removal of Infiltration/Inflow - Various Locations	\$200,000	\$4,232,500

**Stormwater Fund**

Public Works	Miscellaneous Stormwater Construction/Drainage Projects	\$150,000	\$150,000
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**Other Funds**

Police	Radio infrastructure	\$36,000	\$36,000
Police	Cruisers	\$220,507	\$256,507
Public Works	Street Repair	\$250,000	\$506,507
Public Works	Maintenance of Sidewalks	\$250,000	\$756,507
Parks & Recreation	Playground Safety Surfacing/Repairs	\$30,000	\$786,507
Parks & Recreation	Playground Apparatus	\$25,000	\$811,507
Police	Mobile Data Terminal Replacement	\$125,000	\$936,507
Public Works	Washington Street (Commonwealth Avenue to Centre Street)	\$650,000	\$1,586,507
Public Works	Commonwealth Avenue (Boston line to Grant Ave (Phase III))	\$1,700,000	\$3,286,507
Public Works	Two Variable Message Boards	\$25,000	\$3,311,507
Public Works	Citywide MUTCD compliance	\$20,000	\$3,331,507
Public Works	Municipal parking lot reconstruction	\$80,000	\$3,411,507
Public Works	Replacement and/or Upgrade of Parking Meters	\$68,000	\$3,479,507
Public Works	Modernize existing traffic signals over 20 years old	\$150,000	\$3,629,507
Public Works	Construct new traffic signals or flashing beacons	\$65,000	\$3,694,507
Public Works	Private Ways	\$50,000	\$3,744,507

**FY07 CAPITAL PLAN**  
**CAPITAL PROJECTS LISTED BY DEPARTMENT**

	Free Cash	Debt	Other	Enterprise	CPA	CDBG
<b><u>Board of Aldermen</u></b>						
Multimedia Carts for Conference Rooms	\$6,050					
Sound and Projection Upgrades to Aldermanic Chambers	\$16,500					
<b>Board of Aldermen Total</b>	<b>\$22,550</b>					
<b><u>City Clerk</u></b>						
Archives Preservation Project					\$150,000	
<b>City Clerk Total</b>					<b>\$150,000</b>	
<b><u>Fire</u></b>						
Replace Watch Desks	\$30,000					
Fire Vehicles	\$50,000					
Replace Bunker Gear	\$115,000					
SCBA Equipment	\$250,000					
Bronze doors and lights at fire headquarters					\$9,000	
<b>Fire Total</b>	<b>\$445,000</b>				<b>\$9,000</b>	
<b><u>Information Technology</u></b>						
Citywide Network Hardware/Software	\$34,760					
Computer Software	\$8,625					
Desktop Computers	\$26,675					
Geographic Information Systems	\$23,226					
<b>Information Technology Total</b>	<b>\$93,286</b>					
<b><u>Jackson Homestead/Museum</u></b>						
Durant Kenrick Homestead					\$2,710,000	
<b>Jackson Homestead/Museum Total</b>					<b>\$2,710,000</b>	
<b><u>Library</u></b>						
Replace stair covering on central circular stair	\$15,000					
<b>Library Total</b>	<b>\$15,000</b>					
<b><u>Parks &amp; Recreation</u></b>						
Field Renovations	\$50,000					
Tree Planting/Pruning	\$50,000					
Turf Control field at Newton South High School	\$50,000					
Court Repairs	\$200,000					
New Vehicles/Equipment		\$210,000				
New Turf		\$1,800,000			\$2,253,000	
Newton Corner/Farlow and Chaffin Parks Preservation					\$472,000	
Newton Centre Playground Access					\$616,000	
City Hall Landscape					\$1,154,000	
Chaffin Park						\$20,000
Charlesbank Park						\$35,000
Farlow Park						\$32,000
Playground Safety Surfacing/Repairs			\$30,000			
Playground Apparatus			\$25,000			
<b>Parks &amp; Recreation Total</b>	<b>\$350,000</b>	<b>\$2,010,000</b>	<b>\$55,000</b>		<b>\$4,495,000</b>	<b>\$87,000</b>
<b><u>Planning</u></b>						
Tree and Pathway Maintenance in Conservation Areas	\$10,000					
<b>Planning Total</b>	<b>\$10,000</b>					
<b><u>Police</u></b>						
Priority Vehicle replacement	\$74,000					
Police Headquarters Dispatch Improvements	\$116,650					
Radio infrastructure			\$36,000			
Mobile Data Terminal Replacement			\$125,000			
Cruisers			\$220,507			
<b>Police Total</b>	<b>\$190,650</b>		<b>\$381,507</b>			

	Free Cash	Debt	Other	Enterprise	CPA	CDBG
<b>Public Buildings</b>						
Van Replacement	\$50,400					
Environmental Remediation	\$100,000					
Public Buildings Facilities Analysis	\$200,000					
Fire Station #4 Roof Replacement		\$190,166				
Fire Station #7 Roof Replacement		\$207,000				
Carr School Boiler Replacement		\$375,000				
Public Facilities and Park access						\$75,360
<b>Public Buildings Total</b>	<b>\$350,400</b>	<b>\$772,166</b>				<b>\$75,360</b>
<b>Public Works</b>						
Covered Fuel Dispensers with new Pumps	\$20,000					
Installation of New Sidewalks	\$150,000					
Upgrade Street Lighting	\$1,000,000	\$900,000				
Heavy Equipment		\$750,000				
Citywide MUTCD compliance			\$20,000			
Two Variable Message Boards			\$25,000			
Private Ways			\$50,000			
Construct new traffic signals or flashing beacons			\$65,000			
Replacement and/or Upgrade of Parking Meters			\$68,000			
Municipal parking lot reconstruction			\$80,000			
Modernize existing traffic signals over 20 years old			\$150,000			
Maintenance of Sidewalks			\$250,000			
Street Repair			\$250,000			
Washington Street (Commonwealth Avenue to Centre Street)			\$650,000			
Commonwealth Avenue (Boston line to Grant Ave (Phase III))			\$1,700,000			
Wastewater Pump Stations Improvements				\$50,000		
Underdrains Throughout City - Evaluation, Design and Construction				\$80,000		
Water Meter and Reading System Replacement				\$100,000		
Miscellaneous Stormwater Construction/Drainage Projects				\$150,000		
Design and Removal of Infiltration/Inflow - Various Locations				\$200,000		
Equipment replacement				\$582,500		
Painting water tanks and Improve Security				\$620,000		
Water Main Replacement, Cleaning & Lining				\$2,600,000		
Lighting in Jefferson Square, Newton Corner					\$117,790	
Cheesecake Brook Greenway Improvements					\$347,036	
Church/Richardson/ Oakland Traffic Improvements						\$27,500
ADA Access Curb Cuts and accessible pedestrian signals						\$65,940
Newton corner Pedestrian Improvements						\$70,000
Road and sidewalk reconstruction - Cook Street						\$200,000
Cheesecake Brook Repair and Rebuild Retaining Wall						\$300,000
<b>Public Works Total</b>	<b>\$1,170,000</b>	<b>\$1,650,000</b>	<b>\$3,308,000</b>	<b>\$4,382,500</b>	<b>\$464,826</b>	<b>\$663,440</b>
<b>Purchasing</b>						
Photocopiers	\$34,581					
Cars for Various Departments	\$100,000					
<b>Purchasing Total</b>	<b>\$134,581</b>					
<b>School</b>						
School Allocation	\$900,000					
Various Building upgrades		\$1,850,000				
<b>School Total</b>	<b>\$900,000</b>	<b>\$1,850,000</b>				
<b>Veterans</b>						
Flag Pole Painting	\$8,000					
<b>Veterans Total</b>	<b>\$8,000</b>					
<b>GRAND TOTAL</b>	<b>\$3,689,467</b>	<b>\$6,282,166</b>	<b>\$3,744,507</b>	<b>\$4,382,500</b>	<b>\$7,828,826</b>	<b>\$825,800</b>

**FY07 Capital Projects Descriptions – All Sources  
(Free Cash, unless otherwise noted)**

**Board Of Aldermen**

Aldermanic Chamber Upgrades

Upgrades to the current projection and sound systems in the Aldermanic Chamber. The Projection upgrades will include a new 4000 Lumen XGA Projector with a Long Throw Zoom Lens, a new 7' x 9' CSR Matte Projections Screen, Signal Amplification and Projector Controls, and four (4) 8" two-way surface mount speakers to augment the current speaker system, and upgrades to the hearing-assist system..

Multimedia Carts

Three (3) portable multi-media carts will be purchased to be used in the conference rooms in Newton City Hall. The carts will be self-contained portable projection systems that will include a 2000 Lumen LCD projector, powered speakers, and a DVD/VCR Combination Unit. The carts will be available for individuals making digital presentations.

**Fire Department**

Replace Bunker Gear

Replace remaining third of the fire protective clothing that firefighters wear.

Replace Self-Contained Breathing Apparatus (SCBA)

Replace the breathing apparatus that firefighters wear while fighting fires.

Communications Equipment

Replace two station fire alarm consoles (watch desks) that manage incoming signals.

Vehicles

Replace two utility vehicles

Renovate and Repair Firehouses

Replace two fire station roofs. (Debt)

**Information Technology Department**

Computer Network Hardware/Software Replacement

These funds will be used to replace network hubs and servers, some of which are now 10 years old and fragile. They control the flow of all information between individual computers across the City.

Computer Software

These monies are to ensure that the City has software licenses for every program installed on every personal computer in the City and that all software protection is current.

### GIS Upgrades

Demand for Geographic Interface System services has increased and to meet the growing number of users, the Department will purchase two additional Arcview licenses. Web site enhancements are necessary to facilitate coordination with Accessing data.

### Desktop Computer and other Equipment Replacement

The Information Technology Department will replace computers in various departments as older computers age and no longer function at a high enough level to meet the productivity needs of the departments.

## **Library**

### Carpet Replacement

Replace the carpeting on the main circular staircase in the Main Library.

## **Parks and Recreation Department**

### Court Reconstruction

Court reconstruction projects are components of projects at Lower Fall and Weeks Parks.

### Field Renovations

Renovations to fields by regrading, leveling, loaming, seeding, or sodding and irrigating. In conjunction with the purchase of a multi-function tractor, fields at Forte, Warren and Nahanton Parks will be renovated with city labor.

### Playground Apparatus

New playground apparatus for two playgrounds. City funds will be supplemented by donations from neighborhood groups. (Marathon Receipts)

### Playground Resurfacing and Repairs

This project would allow the Department to replace and to install Fibar (safety surface) under and around play apparatus citywide. It will also include the repair and replacement of equipment (chains & swings, etc.). (Marathon Receipts)

### Tree Maintenance

Planting and pruning trees throughout the City. The new trees would be 2-2½ inches in caliper diameter, balled, burlled, lapped and installed by tree contractor.

### Turf Control

The turf control program gives special attention to recreation areas that show excessive wear and tear due to heavy use. The program encompasses fertilization, weeding, aeration, and seeding of playing fields and other irrigated areas, such as the Library lawns. The following fields will undergo turf control: Albemarle, Burr Park, Brown School, Cabot Park, Cold Springs Park, City Hall, Franklin School, Forte Park, Lower Falls Community Center, Main Library, McGrath Field, Lincoln Field, Nahanton Park, Newton Highlands Park, Newton North High School, Newton South High School, Warren Park, Weeks Park, Underwood School, and Zervas School. (Supplements Operating Budget)

### Crystal Lake Acquisition

The city is negotiating with the owner of 20 Rogers Street for the acquisition of that parcel of land adjacent to the city land at Crystal Lake. The owner has indicated that he will accept \$4.5 million for the land. Negotiations are on going.

### Vehicle and Equipment Replacement

The Department plans to purchase a multi-function tractor and replace a trash packer. (Debt)

## **Planning Department**

### Conservation Area Tree Maintenance

The Department uses a combination of funds from the Commonwealth Golf Course and other sources, including Free Cash, to maintain trees in conservation areas throughout the City. Maintenance includes removing dead and diseased trees and clearing trees that have blocked pathways.

### CDBG Projects

- ❑ Access curb cuts and Accessible Street Signs – Public Works
- ❑ Traffic Improvements (Church/Richardson/Oakland) – Public Works
- ❑ Cheesecake Brook Improvements – Public Works
- ❑ Newton Corner Pedestrian Improvements – Public Works
- ❑ Charlesbank, Chaffin, and Farlow Parks – Parks and Recreation
- ❑ Improved access to public facilities – Public Buildings
- ❑ Road and sidewalk reconstruction – Cook Street

## **Police Department**

### Dispatch Center Consoles

Upgrade and replace communication equipment and associated console hardware to comply with statewide requirements for enhanced 911 equipment in the dispatch center in the Police headquarters

### Vehicle Replacement

Replace cruisers. The City replaces front line cruisers after approximately two years or 75,000 miles, whichever comes sooner. (Operating Budget) These purchases will be supplemented with purchases of additional cruisers and other cars.

### Radio Communications

Completing the repeater deployments and the build out of our alternate frequency, in compliance with FCC requirements. We are also required to update all cruiser modems in accordance with the FCC. (Operating Budget)

### Replace Mobile Data Terminals

Replace twenty-five mobile terminals that were originally purchased with grant funds and are reaching the end of their useful life. Grant funds are being sought for this replacement.

## **Public Buildings Department**

### Comprehensive Building Assessment

Perform a comprehensive review of 25 municipal sites with structures totaling 388,384 sq ft of occupied space. This review will address the physical structure and all interior systems, as well as degree of conformance with all applicable codes and regulations. Recommendations will be tiered to present degree of necessity for any suggested repairs and/or improvements along with subsequent compliance issues related to such work.

### Environmental Remediation

This work continues cleanup efforts at the sites listed below. The cleanups involve the removal from the surrounding soil of oil or gasoline that was discovered after the removal of old tanks at these locations. Some locations also house ongoing monitoring equipment.

- Cabot School
- Horace Mann School
- Elliot Street Garage
- Newton South High School

### Boiler Replacement

Replace boilers at Carr School. (Debt)

### Van Replacement

The Department will replace two heavy-duty vans, used by the maintenance staff to transport tools and materials.

## **Public Works Department**

### Curb and Sidewalk Improvements

The curb/sidewalk maintenance/contract program focuses on streets with deteriorated curbs and walkways. Whenever feasible, curb and sidewalk maintenance is coordinated with the street asphalt overlay program in order to increase the life expectancy of the streets and defer more costly reconstruction. The advanced age of much of the City's sidewalk system, along with damage caused by tree roots, necessitate an ongoing commitment to sidewalk/curb maintenance. (Funded by Free Cash, Chapter 90 State funds, Operating Budget funds and betterment assessments.)

### Fuel Pump Covers

Install fuel pumps with overhead covers at the Elliot Street and Crafts Street Yards. Covered fuel dispensers will provide proper lighting, tank protection, and fire suppression equipment. They will extend the life of fuel pumps, protect the environment in pollutant runoff, and keep personnel dry as they re-fuel their vehicles.

### Parking Meter Replacement

The Department will install new parking meters in accordance with votes of the Board of Aldermen and will replace worn or outmoded meters (Operating Budget and Parking Receipts)

### Streetlight Upgrades

Change-out of streetlights with more energy efficient fixtures that will maintain lighting levels and save energy. Energy cost savings exceed debt service for the short term debt. (Free Cash and Debt)

### Street Sign Upgrades

The Manual on Uniform Traffic Control Devices (MUTCD) provides the standards for traffic signs nationwide to ensure safety and consistency from one community to another. This citywide sign replacement program will meet revised Federal standards for sign materials, colors, size, and letter height. Signs will be fabricated and installed by City crews. (Parking Receipts)

### Street Reconstruction

The City will reconstruct, reclaimate, or repave the following streets.

- |   |                                       |
|---|---------------------------------------|
| <input type="checkbox"/> Beacon St.(west Waban Ctr) | <input type="checkbox"/> Highland Ave |
| <input type="checkbox"/> Greenwood St..             | <input type="checkbox"/> Austin St    |
| <input type="checkbox"/> Winchester St.             | <input type="checkbox"/> Woodward St  |
| <input type="checkbox"/> Mandalay St.               | <input type="checkbox"/> Ramsdell St  |
| <input type="checkbox"/> Clements St                | <input type="checkbox"/> Montrose St. |
| <input type="checkbox"/> Beethoven                  |                                       |

### Traffic Signal Upgrades

This project will upgrade existing traffic signals where the application of vehicle detection, pedestrian actuation, signal coordination, or other new equipment can reduce delays through more efficient operations. The goal of this program will be to modernize 47 lights over 10-15 years.

### Traffic Signal Installation

Design fully actuated traffic signal to replace existing flashing beacon at Beacon and Grant Streets; design traffic signal for the intersection of Centre and Cypress Streets; construct flashing warning light at Dedham and Spiers Streets.

### Two Variable Message Boards

Battery operated variable message boards for use during a disaster or major roadwork.

### Vehicles and Equipment

The Department will purchase several pieces of large equipment critical for key functions such as road construction and snow fighting, using debt issued by the City.

## **Water and Sewer Divisions**

### Equipment

The Department replaces motor vehicles and heavy equipment through the operating budget. An inventory of Water/Sewer equipment follows. Specific pieces of equipment to be replaced each fiscal year will be determined during the annual budget process. (Operating Budget).

### Sewer Infiltration/Inflow Reduction

Infiltration and inflow reduction citywide is scheduled annually based on ongoing assessments of the system. This project not only reduces sewerage overflows, but also has a direct effect on controlling Newton's MWRA sewer assessment. MWRA grants/loans will fund these

major projects. Upcoming projects include and investigation of the Cochituate Aqueduct and implementation of a private inflow removal program.

#### Underdrains

Evaluation and design of sealing lateral sewer lines (sewer mains < 12).

#### Water Main Rehabilitation

Water lines are renewed by either cleaning the pipes and installing a cementous liner inside the pipe or replacing the pipes with larger ones to increase flow characteristics. In FY07, the Department will target water mains on the following streets. (Operating Budget and MWRA Grant/Loan program)

- |                                      |  |
|--------------------------------------|--|
| <input type="checkbox"/> Boylston St | <input type="checkbox"/> Florence St   |
| <input type="checkbox"/> Charles St  | <input type="checkbox"/> Hartman Rd    |
| <input type="checkbox"/> Drumlin Rd  | <input type="checkbox"/> Pettee St     |
| <input type="checkbox"/> Dudley Rd   | <input type="checkbox"/> Union St      |
| <input type="checkbox"/> Langley St  | <input type="checkbox"/> Winchester St |
| <input type="checkbox"/> Ripley St   | <input type="checkbox"/> Wolcott St    |
| <input type="checkbox"/> Elliot St   |  |

#### Water Meter Replacement

The City's current metering system, which has a life expectancy of 15-18 years, was installed between 1981 and 1985. The Department plans to start with design of the commercial meters first as they represent 3% of our meters but account for 30% of the water billed.

#### Water Tank Inspection, Painting, and Security Improvements

Exterior painting and inspection of water tanks at Stanton Road, Winchester Street, and Oak Hill is slated for FY07. The inspection checked for leaks, corrosion, and other damage. Because the tanks are painted with lead paint, painting contracts must allow for lead paint removal and disposal services. Security upgrades are installed at the time of painting.

#### Pump Station Repairs

The Division will replace the existing pumps, which are over forty years old, with variable frequency drives. This will improve operability and efficiency of the system.

### **Purchasing Department**

#### Photocopier Replacement Program

The Department catalogues, monitors, and replaces photocopiers based on age and annual rate of usage.

#### Small Department Vehicle Replacement Program

The Purchasing Department coordinates vehicle purchases for the smaller departments including: Assessing, Engineering, Health, Human Resources, Human Services, Information Technology, Inspectional Services, Library, and Planning. Based on the life expectancies, usage, and historic vehicle replacement, the Department will purchase an average of eight vehicles per

year. The Department replaces the vehicles that are in the worst condition each year and transfers vehicles to extend their use. The City buys used vehicles at auction.

## **School Department**

There is an initial allocation of \$900,000 in Free Cash to the School Department for various projects to be determined by the School Committee. In addition, other projects will be funded by debt or other sources.

### Newton South High School Field Upgrades

Install a synthetic athletic field to replace existing grass field. (CPA and General Fund Debt)

## **Community Preservation Act**

The following proposals are under consideration for funding by the Community Preservation Committee.

- Acquisition of easements at the Durant Kenrick Homestead for public use, open space and historic preservation.
- Historic preservation and recreation improvements at Farlow and Chaffin Parks.
- Restoration of the historic landscaping at City Hall
- Archival Preservation of City records.
- Restoration of historically significant fixtures at Fire Department Headquarters
- Restoration of historical lighting in Jefferson Square.
- Improve access and opportunity for passive recreation at Newton Centre Playground.
- Improve access and opportunity for passive use of open space while insuring safety of visitors and grounds at Cheesecake Brook greenway.
- Development of artificial playing surface on the fields at Newton South High School

## **Veterans**

### Flag Pole Painting

Painting of flag poles in the Newton Cemetery, Forte Park, Newton Centre Green, Newtonville and Veterans' Park

## **IV. FY08-12 Capital Improvement Plan**

## FY08-FY12 PROJECTED SPENDING BY MAJOR CATEGORY

	FY08	FY09	FY10	FY11	FY12	TOTAL
<b>PUBLIC WORKS - CITY-FUNDED</b>						
Signals & Parking	397,000	375,000	200,000	200,000	200,000	1,372,000
Street Reconstruction	300,000	300,000	300,000	300,000	300,000	1,500,000
Storm Drains	600,000	250,000	250,000	250,000	250,000	1,600,000
Equipment & Facilities	1,723,000	1,817,000	1,050,000	1,050,000	950,000	6,590,000
Curbs and Sidewalks	750,000	750,000	750,000	650,000	650,000	3,550,000
<b>Total</b>	<b>3,770,000</b>	<b>3,492,000</b>	<b>2,550,000</b>	<b>2,450,000</b>	<b>2,350,000</b>	<b>14,612,000</b>
<b>PUBLIC WORKS - GRANT/FEE-FUNDED</b>						
Street Reconstruction	4,740,000	5,300,000	300,000	3,800,000	3,300,000	17,440,000
Water and Sewer	9,780,000	8,795,000	4,975,000	3,700,000	4,100,000	31,350,000
Curbs and Sidewalks	100,000	100,000	100,000	100,000	100,000	500,000
<b>Total</b>	<b>14,620,000</b>	<b>14,195,000</b>	<b>5,375,000</b>	<b>7,600,000</b>	<b>7,500,000</b>	<b>49,290,000</b>
<b>PUBLIC SAFETY</b>						
Vehicles and Equipment	453,007	1,679,007	930,007	1,375,007	1,145,007	5,582,035
<b>Total</b>	<b>453,007</b>	<b>1,679,007</b>	<b>930,007</b>	<b>1,375,007</b>	<b>1,145,007</b>	<b>5,582,035</b>
<b>PUBLIC BUILDINGS</b>						
Other Improvements	283,000	391,000	255,500	136,000	75,000	1,140,500
Environmental	117,000	92,000	50,000	0	0	259,000
Roofs	217,570	219,615	308,020	232,390	338,550	1,316,145
Exterior Doors	75,000	75,000	75,000	72,500	77,500	375,000
Windows	55,000	220,000	75,000	175,000	55,000	580,000
Masonry	385,000	75,000	75,000	75,000	150,000	760,000
Flooring	115,000	235,000	175,000	175,000	175,000	875,000
Painting	197,500	230,000	212,500	218,500	226,850	1,085,350
<b>Total</b>	<b>1,445,070</b>	<b>1,537,615</b>	<b>1,226,020</b>	<b>1,084,390</b>	<b>1,097,900</b>	<b>6,390,995</b>
<b>SCHOOL DEPARTMENT</b>						
High Schools	20,400,000	39,583,334	32,083,333	48,933,333		141,000,000
Other	1,750,000	1,750,000	1,750,000	1,750,000	1,750,000	8,750,000
<b>Total</b>	<b>22,150,000</b>	<b>41,333,334</b>	<b>33,833,333</b>	<b>50,683,333</b>	<b>1,750,000</b>	<b>149,750,000</b>
<b>PARKS AND RECREATION</b>						
Building Improvements	90,000	90,000	130,000	90,000	90,000	490,000
Facilities and Equipment	473,000	125,000	473,400	144,000	115,000	1,330,400
CPA Projects	500,000	0	500,000	0	500,000	1,500,000
Park/Playfield Maintenance	425,550	775,500	755,500	697,500	637,500	3,291,550
<b>Total</b>	<b>1,488,550</b>	<b>990,500</b>	<b>1,858,900</b>	<b>931,500</b>	<b>1,342,500</b>	<b>6,611,950</b>
<b>OTHER</b>						
Technology	227,800	112,500	96,800	59,000	71,500	567,600
Other	132,667	545,704	152,251	129,361	110,650	1,070,633
Planning & Conservation	335,000	252,500	150,000	160,000	150,000	1,047,500
<b>Total</b>	<b>695,467</b>	<b>910,704</b>	<b>399,051</b>	<b>348,361</b>	<b>332,150</b>	<b>2,685,733</b>
<b>GRAND TOTAL</b>	<b>44,622,094</b>	<b>64,138,160</b>	<b>46,172,311</b>	<b>64,472,591</b>	<b>15,517,557</b>	<b>234,922,713</b>

<b>PUBLIC WORKS</b>					
<b>CAPITAL IMPROVEMENT PLAN FY08-FY12</b>					
<b>TRAFFIC SIGNALS, INTERSECTIONS, PARKING AND PARKING METERS</b>					
	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
Parking Lot Reconstruction & Repair {1}	37,000	15,000	15,000	15,000	15,000
Traffic Signal Installation {1}	175,000	175,000			
Traffic Signal Repair & Upgrade {1}	150,000	150,000	150,000	150,000	150,000
Traffic Signs MUTCD Compliance	20,000	20,000	20,000	20,000	20,000
Parking Meters Replacement/Upgrade {1}	15,000	15,000	15,000	15,000	15,000
<b>TOTAL</b>	<b>397,000</b>	<b>375,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>
<b>STREET RECONSTRUCTION</b>					
<b>Grant-Funded Projects</b>					
Comm. Ave. Grant Ave.- Boston {2}	2,440,000				
Comm. Ave. Rte. 128 - Auburn St. {2}		300,000		3,800,000	
Comm. Ave. Valentine to Exeter {2}			300,000		3,300,000
Needham St: Walnut to Needham {2}	200,000	3,000,000			
Walnut St. Homer St. to Route 9 {2}	1,600,000	1,600,000			
Washington St. Comm to Centre St. {2}	500,000	400,000			
<b>SUBTOTAL</b>	<b>4,740,000</b>	<b>5,300,000</b>	<b>300,000</b>	<b>3,800,000</b>	<b>3,300,000</b>
<b>City-Funded Projects</b>					
Private Ways {9}	50,000	50,000	50,000	50,000	50,000
Street Repair {4}	250,000	250,000	250,000	250,000	250,000
<b>TOTAL</b>	<b>5,040,000</b>	<b>5,600,000</b>	<b>600,000</b>	<b>4,100,000</b>	<b>3,600,000</b>
<b>EQUIPMENT, SITE AND FACILITIES IMPROVEMENTS</b>					
Covered Fuel Dispensers	20,000				
Covered Wash Bay	200,000				
Disposal of crushed material		217,000			
Engineering Maps Scanning	100,000	100,000	100,000	100,000	
High Frequency Radio Network System		250,000			
Variable Message Boards {2}	25,000				
Vehicle Replacement {4}	950,000	950,000	950,000	950,000	950,000
Misc Diagnostic Test Equipment - Fleet	12,000				
Allu Screener Crusher	36,000				
Recycling Shed	30,000				
Quonset Hut		300,000			
Salt Storage Shed	350,000				
<b>TOTAL</b>	<b>1,723,000</b>	<b>1,817,000</b>	<b>1,050,000</b>	<b>1,050,000</b>	<b>950,000</b>
<b>CURBS AND SIDEWALKS</b>					
Maintain Sidewalks & Curbs	250,000	250,000	250,000	150,000	150,000
Sidewalk Betterments {4} {9}	200,000	200,000	200,000	200,000	200,000
Installation of New Sidewalks	300,000	300,000	300,000	300,000	300,000
ADA Access Curb Cuts {3}	100,000	100,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>750,000</b>	<b>750,000</b>
<b>DPW Subtotal</b>	<b>8,010,000</b>	<b>8,642,000</b>	<b>2,700,000</b>	<b>6,100,000</b>	<b>5,500,000</b>
<b>WATER AND SEWER DIVISIONS</b>					
<b>Water Division</b>					
Meter Replacement {6}	4,000,000	3,000,000			
Main Cleaning & Lining {7}	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000
Tank Painting {4}	620,000	620,000			
Vehicle Replacement {4}	225,000	200,000	200,000	200,000	200,000
<b>Sewer Division</b>					
Cochituate Aqueduct {7}	600,000				
Pump Station Repairs {10}	85,000	75,000	75,000		
Inflow/Infiltration Reduction {7}	1,050,000	1,300,000	500,000	300,000	
Underdrain infiltration projects {6}	300,000	700,000	1,300,000	300,000	1,000,000
Vehicle Replacement {4}	300,000	300,000	300,000	300,000	300,000
<b>Water and Sewer Subtotal</b>	<b>9,780,000</b>	<b>8,795,000</b>	<b>4,975,000</b>	<b>3,700,000</b>	<b>4,100,000</b>
<b>STORMWATER DIVISION</b>					
<b>Stormwater Division</b>					
Misc Storm Constr/Drainage Projects {11}	250,000	250,000	250,000	250,000	250,000
Forest Grove Pump Station Improvemts {11}	200,000				
Vacuum Sweeper {11}	150,000				
<b>Stormwater Subtotal</b>	<b>600,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>
Sources: {1} Parking Meter Receipts, {2} State Grants, {3} CDBG, {4} Operating Budget, {5} Free cash, {6} Debt, {7} MWRA loan, {8} MWPAT loan, {9} Betterment revolving, {10} Water/Sewer Surplus, {11} Stormwater Surplus					
<b>DEPARTMENT TOTAL</b>	<b>18,390,000</b>	<b>17,687,000</b>	<b>7,925,000</b>	<b>10,050,000</b>	<b>9,850,000</b>

## Public Works Department Capital Projects FY08-FY12

### Traffic Signals, Signs, and Parking Meters

The Board of Aldermen has passed resolutions or Board Orders requesting funding for the installation of new traffic signals at the intersections of Beacon/Grant and Centre/Cypress, and the installation of flashing beacons at Dedham/Spiers. A second CIP entry proposes the upgrade of 3-6 traffic signals per year to modernize locations that are over 20 years old and whose equipment is prone to failure and increased maintenance costs. CIP funding for traffic signs would facilitate citywide compliance with current Federal standards for sign reflectivity, text size, and sign size. The CIP entry for parking meters would fund the metering and reconstruction of various municipal parking lots, including the installation of multi-space meters to replace existing single space meters and accept electronic forms of payment.

### Street Reconstruction

In the City, there are approximately 310 miles of roads and 1,485 streets (1,220 accepted streets and 265 private ways). Major roadwork projects (>\$3 million) are typically funded with state and federal funds. Minor projects are city funded. Local street maintenance backlog is estimated at approximately \$20 million with almost all of the revenues used for maintenance coming from the State Chapter 90 annual distribution. Recent distributions amounted to approximately \$1.3 million per year.

Design continues on major projects to include: Needham Street (25%), Walnut Street (25%), and Commonwealth Ave (Grant Ave to Boston Line - 75%). Commonwealth Ave improvements will continue in design, by phase, in coming years; the next priority being Rte 128 to Washington Street. Washington Street will be divided into three phases in order to maintain traffic management over the summer months.

### Street Betterments and Private Ways

Under City ordinance, the City may accept private roads and ways as public ways. The City pays for the repair and upgrade to City standards of the accepted roads, and the adjacent landowners incur a betterment assessment on their property tax bills, which is designed to pay for the betterment over the course of a twenty year period. Under the Ordinances, the City may also agree to repair private ways, without accepting them as public ways; again with the adjacent property owners paying for the repairs. This program has been very successful over the past two years, with over a dozen streets coming in for some level of repair. With the large number of private ways in the City (265 ea), a consistent revenue for repair work is indicated.

### Storm Drain Improvements

In FY07 a Stormwater Utility was established and an annual fee charged to every property owner in the City. Revenue from this fee will generate enough to allow improvements in the storm drain system directly impacting water quantity and quality controls. Such management is critical to succeed in this area which is mandated by Federal and State laws on the subject.

Significant streams in the City's drainage basins requiring large investment of capital in the out years include both Laundry and Cheesecake Brooks. Additionally, the lagoons in front of City Hall act as detention basins and about every 10 years need to be dredged of storm water deposition. They currently require cleaning, with much of the estimated cost going toward disposal of the sediments (now solid waste).

The City of Newton has submitted a Notice of Intent required by the Massachusetts Department of Environmental Protection as part of the NPDES Phase II Storm water Discharge Permit which includes the City's Storm water Management Plan. The plan is designed to reduce the discharge of pollutants into the storm water system to the "maximum extent possible", and protect the water quality of brooks and streams, including the Charles River. DEP will review our permit accomplishments in 2007-2008.

Improvements to the Forest Grove pump station are needed if the water around the Rumford Landfill

and the adjoining Flowed Meadow wetlands area is managed at its current elevation. Modifications to the pump house as well as replacement of the pump itself will include automatic shut-off alarms to signal any disturbances at this remote location.

### Equipment

The Department now replaces most its motor vehicle fleet and heavy equipment through the CIP. Maintaining a steady state of investment is important to fulfill key Department functions such as road building and snow fighting. Other support infrastructure, such as salt sheds at Crafts Street and covered wash bay at Elliot Street are important improvements to properly maintain our capital investments and meet environmental laws. Communications during normal operations and during emergencies are critical in a Department where most of the workforce operates in the field. The Department is reviewing radio replacement using either high-band frequency or VOIP technology.

### Curb and Sidewalk Betterments

Installation of curbing and sidewalks in front of property owners can be accomplished under the Betterment Program. Sidewalks on arterials will be paid for by the City when the particular street undergoes reconstruction. Payments for betterments from property owners are made, if it is probable that work can be completed within a year. Abutters pay 50% of the costs either up front in lump sum or over a 20 year period.

### Curb and Sidewalk Maintenance

Curb maintenance focuses on streets also needing resurfacing as to install new curbing is to cut open the street. Sidewalks on the other hand, are programmed in areas of the City to optimize resource management. The advanced ages of much of the City's sidewalk system, along with extensive damage caused by tree roots, necessitate an ongoing commitment to sidewalk/curb maintenance. Historically, a priority for sidewalk maintenance is placed in the operating budget planning.

### ADA Access Curb Cuts

The American Disabilities Act requires improved facilities to allow disabled individuals access to business and services. Curb cuts are upgraded to meet current specifications of the State ADA Board when streets are repaved. In addition, recommendations of the Mayor's Committee on the Environment of the Handicapped and City ADA Coordinators, curb cut projects are planned every year and paid out of federal funds earmarked for ADA compliance.

## **Water Division – Projects, Facilities, and Equipment**

The water distribution system encompasses 306 miles of water supply mains, one reservoir, three standpipes, three booster pumping stations, and over 24,000 metered accounts. The CIP provides for the renovation of system components as well as ongoing system maintenance.

### Lead Service Line Replacement

Newton has an aged infrastructure of water supply distribution lines, some pipes over 100 years old. As a result, lead joints, goosenecks, or pure lead pipes exist on homeowner service lines, and should be replaced with copper pipes. Our estimate is that approximately 1% of the total water services in Newton, or about 250 services, are pure lead services.

### Water Main Rehabilitation

In July 1991, SEA Consultants Inc. completed a hydraulic analysis of Newton's entire water distribution system. The estimated cost of projects identified exceeded \$60,000,000. A Hydraulic Model of the City's water system has been completed, and is now being used for the long term planning of repairs and

replacement of water mains. Beginning in Fiscal Year 2002, the City has participated in a 10 year, \$26 million loan program to affect these repairs. The expenditures include: cleaning/lining, looping dead ends, replacing undersized mains and other improvements. (Water Debt – MWRA zero interest loan program.)

#### Meter Replacement

Most of our existing water meters and metering system have been in place since 1981. The meters have a life expectancy of 18 to 20 years. The reading system, including the encoders on the buildings and the reading devices are failing at an increasing rate. Due to the system age, repair and replacement is getting more difficult. The reading system needs to be replaced with a system that will permit flexibility in reading and billing, which may include a wireless system of data transfer (Automatic Meter Reading).

#### Water Tank Inspection, Painting, and Security Improvements

Inspection of water tanks remains ongoing. The inspection checked for leaks, corrosion, and other damage. Each tank requires painting. Because the tanks are painted with lead paint, painting contracts must allow for lead paint removal and disposal services.

Our water security design consultant has recently completed a design of security equipment for Newton's water system infrastructure. The various systems will be installed as part of the tank painting contract.

### **Sewer Division – Projects, Facilities, and Equipment**

The sewer system collects sewage from City residences and businesses and carries the waste to MWRA facilities. The Division operates and maintains 9 pumping stations, 264 miles of sewer mains, 23,851 residential and commercial service connections, and 51 flow connectors to MWRA's interceptor lines. The CIP provides for the renovation of system components as well as ongoing system maintenance.

#### Pump Station Repairs

The Division will replace the existing pumps, which are over forty years old, with variable frequency drives. This will improve operability and efficiency of the system.

#### Sewer Main Rehabilitation and Infiltration/Inflow Reduction

Infiltration and inflow reduction citywide is scheduled annually based on ongoing assessments of the system. This project not only reduces sewerage overflows, but has a direct effect on controlling Newton's MWRA sewer assessment. MWRA grants/loans and Massachusetts Water Pollution Abatement Trust (MWPAT) loans will fund these major projects which include work such as re-lining, under drain separation and manhole rehabilitation.

Our engineering consultant has investigated and evaluated the 150 year old Cochituate Aqueduct, which extends from the Quinobequin Road Pumping Station headworks to Tremont Street on the Boston city line in Brighton. While in fairly good condition, there is work needed to reline and repair the aqueduct at the Farlow Hill end of the system adjacent to the Newton Commonwealth golf course. This aqueduct is key to the transport of sewage flow from the Quinobequin Road Pumping Station across Newton to the MWRA's system in Brighton. The City of Newton also provides aqueduct capacity to the Town of Wellesley to transport sewage flow from its Boulevard Road Pumping Station, and they will cost share any improvements to this system. Ultimately, repair work will be funded by the MWRA Infiltration/Inflow Local Financial Assistance Program Phase 4, of which 55% of the cost is a grant, and 45% is a loan.

#### Private Inflow Removal Program

The Division has identified private inflow sources to the City's sewer system from inflow investigations in Sewer Area A (Waban, Upper Falls) and C (Oak Hill). Specifically, investigations in the

Oak Hill area identified 52 sump pumps that were directly connected to the sewer system. A Task Force appointed by the Mayor is developing a Private Inflow Removal Program to define the policies and procedures that will be applied to remove private illicit connections from the sewer system.

The Private Inflow Removal Program is an important element of the City's Inflow Removal Program and will be essential as the City moves forward with the removal of the previously identified sources in Oak Hill. It will also be a significant part of the City's inflow identification efforts in Waban, Upper Falls, and parts of Oak Hill. Removing inflow sources will reduce wet weather flows and mitigate surcharges and overflow events in the sewer system.

Public education will also play a prominent role in a Private Inflow Removal Program. There are numerous options the Department is pursuing to educate the public about the laws and impacts of violations.

### Equipment

The Division replaces motor vehicles and heavy equipment through the operating budget. An inventory of Water/Sewer equipment is included in this report. Specific pieces of equipment to be replaced each fiscal year will be determined during the annual budget process.

<b>PUBLIC WORKS VEHICLE AND EQUIPMENT INVENTORY</b>			
<b>Equipment</b>	<b>FY07</b>	<b>Unit Cost</b>	<b>Total Value</b>
One-ton dump truck with plow	24	47,500	1,140,000
Two-ton dump truck with plow	16	57,226	915,616
Backhoe	7	84,000	588,000
Basin cleaner	1	125,000	125,000
Hook Loader	1	170,000	170,000
Compressor (portable)	9	14,500	130,500
Hot Box	1	31,200	31,200
Do-All Construction Truck with plow	4	104,000	416,000
Excavator (rubber tire mounted)	6	175,000	1,050,000
Front end loader	3	170,000	510,000
Large construction truck with plow	36	104,000	3,744,000
Leaf vacuum trailer	6	31,000	186,000
Paver (street)	1	250,000	250,000
Paver (sidewalk)	2	12,000	24,000
Pick-up truck	8	18,500	148,000
Pick-up truck 4x4	15	23,500	352,500
Pup packer trash truck	0	90,000	0
Rack body truck with lift gate	1	40,000	40,000
Rodder truck	0	60,000	0
Roller (one-ton)	5	12,500	62,500
Roller (two-ton)	2	15,500	31,000
Roller (twelve-ton)	0	70,000	0
Roller (fourteen-ton)	1	75,000	75,000
Sander	33	18,000	594,000
Sedan	28	19,500	546,000
Sidewalk plow	14	85,000	1,190,000
Skid loader	5	34,000	170,000
Street sweeper	8	118,000	944,000
Tire truck	1	64,500	64,500
Trailer	15	4,000	60,000
Van	5	18,500	92,500
Welding truck	1	29,900	29,900
Crane truck	1	65,000	65,000
Crew Cab with Comp.	1	97,184	97,184
Utility	4	40,300	161,200
<b>TOTAL</b>	<b>259</b>		<b>\$13,680,216</b>

## PARKING METER INVENTORY

### ON STREET METERS

VILLAGE	15 mi.	1 HR.	2 HR.	3 HR.	6 HR.	12 HR.	TOTAL
Auburndale		48					48
Chestnut Hill		10					10
Newton Corner		33				27	60
Newton Highlands		58					58
Newtonville		128	41			107	276
Newton Centre		215	59			7	281
Nonantum		61					61
Upper Falls				9		16	25
West Newton	4	62				5	71
<b>Total</b>	<b>4</b>	<b>615</b>	<b>100</b>	<b>9</b>	<b>0</b>	<b>162</b>	<b>890</b>

### OFF STREET METERS

VILLAGE	15 mi.	1 HR.	2 HR.	3 HR.	6 HR.	12 HR.	TOTAL
Auburndale					38		38
Newton Corner		27		60		42	129
Newton Highlands				46		5	51
Newtonville				76		79	155
Newton Centre			150	135		83	368
West Newton				69		11	80
<b>Total</b>	<b>0</b>	<b>27</b>	<b>150</b>	<b>386</b>	<b>38</b>	<b>220</b>	<b>821</b>

<b>GRAND TOTAL</b>	<b>4</b>	<b>642</b>	<b>250</b>	<b>395</b>	<b>38</b>	<b>382</b>	<b>1711</b>
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In early FY07, the City completed a change to the meter rate structure per Board of Aldermen. All meters that could not be updated to the new rate of 50 cents per hour (short term only) were upgraded with new mechanisms.

<b>PUBLIC SAFETY</b>						
<b>CAPITAL IMPROVEMENT PLAN FY08-FY12</b>						
<b>FIRE DEPARTMENT VEHICLES</b>						
<b>MODEL</b>	<b>PROJECT</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
Wires Aerial Truck	Refurbish				80,000	
Sedan - C6	Replace	26,000				
Sedan - C7	Replace	26,000				
Sedan - C9	Replace	26,000				
Ladder 1	Replace		900,000			
Emergency Rescue Unit	Replace			85,000		
Pumper E-4	Refurbish			150,000		
Pumper E-2	Replace		380,000			
Utility Truck (W-4)	Replace			50,000		
Pick up/Plow	Replace		28,000			
Sedan - C10	Replace		26,000			
Pumper E-7	Replace			300,000		
Ladder 3	Replace				950,000	
Pumper E-1	Replace					400,000
Pumper E-10	Replace					400,000
<b>Total</b>		<b>78,000</b>	<b>1,334,000</b>	<b>585,000</b>	<b>1,030,000</b>	<b>800,000</b>
<b>POLICE VEHICLES</b>						
Replace Cruisers (Operating Budget)		<b>232,000</b>	<b>232,000</b>	<b>232,000</b>	<b>232,000</b>	<b>232,000</b>
Number of vehicles per year		7	7	7	7	7
Other Vehicles		50,000	50,000	50,000	50,000	50,000
<b>FIRE EQUIPMENT</b>						
Safety Equipment (Operating Budget)		27,000	27,000	27,000	27,000	27,000
Communication Equipment		30,000				
<b>POLICE EQUIPMENT</b>						
Radio Communications (Operating Budget)		36,000	36,000	36,000	36,000	36,000
<b>TOTAL</b>		<b>453,007</b>	<b>1,679,007</b>	<b>930,007</b>	<b>1,375,007</b>	<b>1,145,007</b>

## Public Safety Departments Capital Projects FY08-FY12

### Fire Department

#### Fire Vehicles

The Department has 10 active duty and five backup engines and ladders housed in six firehouses. On average, the City replaces a fire engine or ladder every two years. The useful life of an engine or ladder is approximately 20 years. The City refurbishes each new engine or ladder within the first 10 to 12 years of its life.

The Department maintains a fleet of 21 other service vehicles. It monitors the condition of these vehicles and replaces them as needed.

#### Fire Equipment

**Bunker Gear:** the Department will replace all the protective clothing that firefighters wear.

Communication Equipment: multi-year program to replace antiquated consoles on fire alarm system.

Defibrillators: The Fire Department will coordinate the replacement of all defibrillators, citywide. These units must be replaced to ensure that they are fresh and in the highest working order.

The Department funds several recurring capital expenses from its Operating Budget.

- ❑ Communications Equipment
  - Mobile and portable radio units.
- ❑ Fire Alarm
  - Fire call boxes.
- ❑ Public Safety Equipment
  - Hoses, masks, and other equipment.

## **Police Department**

### Police Vehicles

The Police Department has a continuous vehicle replacement policy through its operating budget. The Department is scheduled to replace eight cruisers per year through the Operating Budget. It replaces other vehicles, such as those used by the traffic supervisors or detectives, through the CIP, as needed.

### Communication Equipment

The Department is more than half way through a program to replace the radios in the cruisers with new radios that meet FCC bandwidth requirements. Future expenditures will include replacement of one more radio repeater. (Operating Budget)

<b>FIRE DEPARTMENT VEHICLE INVENTORY</b>						
<b>Number</b>	<b>Year</b>	<b>Make</b>	<b>Model</b>	<b>Purchase Date</b>	<b>Cost</b>	
<b>In Service Engines and Ladders</b>						
E-1	1999	Emergency 1	Pumper (foam)	3/1/2000	\$246,500	
E-2	1992	Federal Motors Protector	Pumper	4/10/1992	\$170,000	
E-3	2004	Emergency 1	Pumper (foam)	12/10/2004	\$309,900	
E-4	1992	Emergency 1	Pumper (foam)	8/4/1993	\$222,800	
E-7	1985	Emergency 1	Pumper (foam)	8/12/1985	\$134,999	
E-10	1987	Emergency 1	Pumper	11/11/1987	\$162,575	
L-1	1996	Emergency 1	75 Ft. Aerial (Quint)	3/14/1997	\$392,560	
L-2	1989	Emergency 1	110 Ft. Aerial	3/16/1989	\$286,729	
L-3	1985	Emergency 1	110 Ft. Aerial	9/12/1985	\$274,985	
<b>Backup Engines and Ladders</b>						
E-13	1984	Emergency 1	Pumper (foam)	12/1/1983	\$124,882	
E-16	1986	Emergency 1	Pumper	8/15/1986	\$148,938	
L-4	1981	Maxim	110 Ft. Aerial	12/24/1981	\$170,000	
<b>Service Vehicles</b>						
M-1	1988	Ford	Util-Maint.	9/11/1988	\$29,072	
M-5	1995	Ford	Pick up/Plow	12/7/1995	\$25,996	
W-1	1998	Ford	Taurus Sta. Wagon	2/2/1999	\$17,520	
W-2	1996	Ford	Aerial, bucket	11/3/1995	\$99,208	
W-3	1988	Ford	Utility	7/28/1988	\$26,259	
W-4	1994	Ford	Van	6/17/1994	\$33,219	
ERU	1989	Chevy	Cab & Chassis	10/10/1989	\$46,986	
C-1	2004	Ford	Crown V.	11/12/2004	\$25,000	
C-2	1999	Ford	Expedition	2/2/1999	\$35,500	
C-3	2004	Ford	Crown V.	11/12/2004	\$25,000	
C-4	1994	Ford	Crown V.	3/3/1994	\$17,939	
C-5	1997	Ford	Crown V.	10/16/1997	\$21,496	
C-6	1994	Ford	Crown V.	3/11/1994	\$17,824	
C-7	1990	Ford	LTD Sta. Wagon	11/16/1989	\$17,660	
C-8	1997	Ford	Crown V.	10/10/1997	\$22,000	
C-9	1992	Ford	Crown V.	8/21/1992	\$19,182	
C-10	1991	Ford	Crown V.	1/7/1991	\$16,251	
C-11	1986	Ford	LTD Sedan	4/16/1986	\$12,033	
C-12	1998	Ford	Crown V.	7/16/1998	\$22,000	
C-13	1998	Ford	Crown V.	7/16/1998	\$22,000	

<b>POLICE DEPARTMENT VEHICLE INVENTORY</b>					
<b>I.D.</b>	<b>YEAR</b>	<b>MAKE</b>	<b>MODEL</b>	<b>TYPE</b>	<b>FUNCTION</b>
491	2005	Ford	Crown Vic	Sedan	Patrol
492	2005	Ford	Crown Vic	Sedan	Patrol
493	2005	Ford	Crown Vic	Sedan	Patrol
494	2006	Ford	Crown Vic	Sedan	Patrol
495	2005	Ford	Crown Vic	Sedan	Patrol
496	2005	Ford	Crown Vic	Sedan	Patrol
497	2005	Ford	Crown Vic	Sedan	Patrol
498	2005	Ford	Crown Vic	Sedan	Patrol
499	2005	Ford	Crown Vic	Sedan	Patrol
500	2005	Ford	Crown Vic	Sedan	Patrol
501	2005	Ford	Crown Vic	Sedan	Patrol
502	2005	Ford	Crown Vic	Sedan	Patrol
503	2003	Ford	Crown Vic	Sedan	Patrol
504	2003	Ford	Crown Vic	Sedan	Patrol
505	2003	Ford	Crown Vic	Sedan	Patrol
506	2003	Ford	Crown Vic	Sedan	Patrol Supv
507	2005	Ford	Crown Vic	Sedan	Patrol Supv
508	2004	Ford	Expedition	SUV	Patrol Supv
509	2003	Ford	Crown Vic	Sedan	Communications
510	2003	Ford	Crown Vic	Sedan	Chief's Office
511	2000	Ford	Crown Vic	Sedan	Technology
512	2004	Ford	Crown Vic	Sedan	Chief's Office
513	1999	Ford	Crown Vic	Sedan	Chief's Office
514	2000	Ford	Crown Vic	Sedan	Special Services
515	2000	Ford	Crown Vic	Sedan	Detective
516	2000	Ford	Taurus	Sedan	Detective
517	1997	Ford	Crown Vic	Sedan	Detective
518	2003	Ford	Crown Vic	Sedan	Detective
519	2003	Ford	Crown Vic	Sedan	Detective
520	1993	Ford	Crown Vic	Sedan	Detective
521	1996	Ford	Crown Vic	Sedan	Traffic
522	2000	Ford	Crown Vic	Sedan	Traffic
523	2000	Ford	Crown Vic	Sedan	Traffic
524	2003	Ford	Crown Vic	Sedan	Traffic
525	2005	Ford	Crown Vic	Sedan	Traffic
526	2001	Ford	Crown Vic	Sedan	Traffic (Safety)
527	1995	Ford	Crown Vic	Sedan	Auxillary Police
528	2003	Ford	Crown Vic	Sedan	Auxillary Police
529	2001	Ford	Crown Vic	Sedan	Auxillary Police
530	2001	Ford	Crown Vic	Sedan	Auxillary Police
531	2003	Ford	Crown Vic	Sedan	Traffic Supv.
532	2003	Ford	Taurus	Sedan	Patrol
533	2002	Harley Davidson	Motor Cycle	M/C	Patrol/Traffic
534	2002	Harley Davidson	Motor Cycle	M/C	Patrol/Traffic
535	2003	Ford	Crown Vic	Sedan	Patrol
536	2006	Harley Davidson	Motor Cycle	M/C	Patrol/Traffic
537	1994	Ford	EcoVan	Van	Technology
538	2001	Ford	EcoVan	Van	Animal Control
539	1994	Chevrolet	GMT400	Van	Patrol

POLICE DEPARTMENT VEHICLE INVENTORY CONT'D					
I.D.	YEAR	MAKE	MODEL	TYPE	FUNCTION
540	1988	Ford	F150	Pickup	Special Serv
600	2003	Ford	Taurus	Sedan	Detective
601					Detective
602					Detective
603	1993	Chevy	Pickup	Sedan	Patrol
604					Detective
608					Detective
610	1993	Ford	Step Van	Van	Technology
1301	2001	Ford	Crown Vic	Sedan	Community Serv
1302	2003	Ford	Taurus	Sedan	Community Serv
1303	2003	Ford	Crown Vic	Sedan	Community Serv
1304	2003	Ford	Crown Vic	Sedan	Patrol
1305	2000	Ford	Crown Vic	Sedan	Community Serv
1306	2003	Ford	Taurus	Sedan	Parking Control
1307	2003	Ford	Taurus	Sedan	Parking Control
1308	2003	Ford	Taurus	Sedan	Parking Control
1313					Detective
1314	2000	Ford	Taurus	Sedan	Detective
1315	2006	Ford	Taurus	Sedan	Community Serv
Total Vehicles		68			
Total Crown Victorias		44			
Total Sedans		58			

<b>PUBLIC BUILDINGS</b>					
<b>CAPITAL IMPROVEMENT PLAN FY08-FY12</b>					
<b>OTHER PROJECTS</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
Van Replacement	50,000	25,000		75,000	75,000
Pick-up Truck Replacement	18,000		36,000		
Automobile Replacement			16,000	16,000	
Bucket Truck Replacement		100,000			
City Hall Central A/C installation	60,000				
City Hall Restroom Upgrade	50,000	50,000	50,000		
Electrical Upgrades in City Bldgs.	15,000		15,000	15,000	
Energy Conservation Projects	30,000	30,000	30,000	30,000	
Generator Replacement	TBD	TBD	TBD	TBD	TBD
Gath Pool Interior/Exterior	60,000				
CADD System		5,000			
Blue Print Machine		18,000			
Computer Upgrades		5,500			
Crafts Street Quansit Hut		57,500			
Sr Center Vestibule Design/Construct		100,000			
Crystal Lake Interior/Exterior			83,500		
Emergency Operations Center			25,000		
<i>Subtotal</i>	<b>283,000</b>	<b>391,000</b>	<b>255,500</b>	<b>136,000</b>	<b>75,000</b>
<b><u>ROOF REPLACEMENT/REPAIR</u></b>					
Jackson Homestead	67,570				
City Hall (cuppola drain repairs)	27,500				
Senior Center	60,000				
Public Buildings Department	25,000				
Police Annex	37,500				
Crystal Lake Bath House		219,615			
Lower Falls Community Center			308,020		
Albemarle Field House				60,675	
Gath Pool Field House				134,700	
Cabot Park Field House				37,015	
Elliot Street Garage					263,550
Elliot St DPW Ops Center					75,000
<i>Subtotal</i>	<b>217,570</b>	<b>219,615</b>	<b>308,020</b>	<b>232,390</b>	<b>338,550</b>
<b><u>ENVIRONMENTAL REMEDIATION</u></b>					
Remediation at various sites	75,000	50,000	50,000	TBD	TBD
UST Veeter Root Replacement	42,000	42,000			
<i>Subtotal</i>	<b>117,000</b>	<b>92,000</b>	<b>50,000</b>		
<b><u>EXTERIOR DOOR REPLACEMENT</u></b>					
Elliot Street Garage	75,000				
Crafts Street Garage		75,000	75,000		
City Hall				50,000	
Auburndale Library				22,500	
Nonantum Library					17,500
Waban Library					17,500
Recreation Garage					25,000
Recreation Headquarters					17,500
<i>Subtotal</i>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>72,500</b>	<b>77,500</b>

	FY08	FY09	FY10	FY11	FY12
<b><u>WINDOW REPLACEMENT</u></b>					
Public Buildings Department	55,000				
Crystal Lake Bath House		145,000			
Police Annex		75,000			
Waban Library			75,000		
Nonantum Library				175,000	
Hawthorn Field House					55,000
<i>Subtotal</i>	<b>55,000</b>	<b>220,000</b>	<b>75,000</b>	<b>175,000</b>	<b>55,000</b>
<b><u>MASONRY REPAIRS</u></b>					
Utilities Building	225,000				
Elliot Street DPW Operations Center	75,000				
Police Garage	25,000				
Police Annex	60,000				
Waban Library		37,500			
Auburndale Library		20,000			
Nonantum Library		17,500			
Lower Falls Community Center			25,000		
Cabot Field House			15,000		
Burr Field House			25,000		
Recreation Garage			10,000		
Main Library				75,000	
City Hall					150,000
<i>Subtotal</i>	<b>385,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>150,000</b>
<b><u>TILE FLOOR REPAIRS/REPLACEMENT</u></b>					
City Hall	50,000				
Police Facilities		100,000			
Branch Libraries		50,000			
Branch Libraries			50,000		
Recreation Facilities			50,000		
Recreation Facilities				50,000	
Public Works Facilities				50,000	
Public Works Facilities					50,000
Health Department					50,000
<i>Subtotal</i>	<b>50,000</b>	<b>150,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b><u>CARPETS &amp; FLOORING</u></b>					
City Hall	25,000	25,000			
Main Library	40,000	25,000			
Public Buildings Department		35,000			
Waban Library			25,000		
Police Facilities			50,000		
Recreation Facilities				50,000	
Jackson Homestead				25,000	
Senior Center					75,000
<i>Subtotal</i>	<b>65,000</b>	<b>85,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>

	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b><u>INTERIOR PAINTING</u></b>					
City Hall	75,000	50,000			
Senior Center	37,500				
Jackson Homestead	37,500				
Main Library		85,000			
Elliot Street DPW Operations Center		20,000			
Fire Headquarters			30,000		
Police Headquarters			45,000		
Crafts Street Garage			75,000		
Nonantum Library				37,500	
Police Annex				35,000	
Police Garage				45,000	
Auburndale Library				25,000	
Crystal Lake Bath House					40,000
Public Buildings Department					25,000
Gath Pool Facility					17,500
Newton Corner Library					42,500
Hawthorn Field House					35,000
<i>Subtotal</i>	<b>150,000</b>	<b>155,000</b>	<b>150,000</b>	<b>142,500</b>	<b>160,000</b>
<b><u>EXTERIOR PAINTING</u></b>					
Jackson Homestead	47,500				
City Hall		75,000			
Main Library			25,000		
Crystal Lake Bath House			37,500		
Police Annex				7,500	
Auburndale Field House				3,500	
Bullough Pond Skating Shelter				2,500	
Public Buildings Department				10,000	
Police Garage				5,000	
Nahanton Park Field House				7,500	
Recreation Headquarters				7,500	
Recreation Garage				15,000	
Waban Library				17,500	
Auburndale Library					15,000
Upper Falls Field House					1,425
Highlands Field House					1,425
Elliot Street DPW Operations Center					7,500
Nonantum Library					15,000
Newton Centre Field House					20,000
Lower Falls Community Center					6,500
<i>Subtotal</i>	<b>47,500</b>	<b>75,000</b>	<b>62,500</b>	<b>76,000</b>	<b>66,850</b>
<b>Total</b>	<b>1,445,070</b>	<b>1,537,615</b>	<b>1,226,020</b>	<b>1,084,390</b>	<b>1,097,900</b>

## Public Buildings Department Capital Projects FY08-12

### Other Projects

- Vehicle replacement - Replacement of vans and trucks use by the Department's workers use to transport equipment.
- Electrical Upgrades - miscellaneous electrical upgrades associated with the installation of new technology equipment for those departments that currently are deficient in available electrical sources, including but not limited to new dedicated circuits, re-wiring of existing circuits and installation of additional circuits.
- Stockroom Computerization - the Department wants to convert its stockroom inventory record system to a computer system. In addition to the purchase of a computer and specialized software, this process may involve training.
- Energy conservation projects - These projects have a short payback period and also are partially reimbursable/funded by various energy companies. These projects are but not limited to Solar Roof Electric Systems, lighting upgrades, heating control upgrades, etc.
- Gath Pool - Shower Areas. Repair plumbing, tiles, pool drain, repair leaks and paint.
- Equipment and software to improve accuracy and efficiency of maintaining building records.
- DPW Quonset Hut - The Quonset Hut is in such disrepair that it is not cost effective to attempt renovations and repairs. Used for storage of sand trucks in winter and sweepers in summer.

### Roof Replacements

As part of the overall building assessment testing and evaluating roofs will be completed for buildings across the City of Newton. This testing will produce a schedule of roof repair and replacement. Repair and maintenance of failing roofing is ongoing.

### Environmental Remediation and Control

The department monitors the clean up projects at several sites across the city where old oil tanks have leaked. All these projects currently are being treated under remediation plans. Old single walled underground oil tanks are replaced with double walled tanks. These tanks require monitoring equipment (Veeter root systems) to detect future leaks or loss of oil.

### Exterior Doors

Doors that cannot be repaired will be replaced as needed.

### Window Repair

The Department replaces and repairs windows in order to maintain building envelopes, prevent interior damage, increase building comfort levels for employees and visitors, and lower heating and cooling costs. Establishment of priorities will be informed by the comprehensive building analysis.

### Masonry

Masonry repairs to the exterior of City buildings prevent infiltration of water and protect the buildings from damage. The Department funds this repair work in part from its operating budget and in part from the CIP.

### Tile and Carpet Repairs

The Department repairs or replaces tile and carpeting periodically to preserve the appearance of the buildings and ensure safe surfaces.

### Interior and Exterior Painting

The Department conducts much of its painting work throughout its operating budget. Large projects are funded through the CIP. The Department may occasionally contract for specially skilled painters for work requiring particular expertise, e.g., historically sensitive work at the Jackson Homestead.

**PUBLIC BUILDINGS  
UNDERGROUND FUEL TANK INVENTORY**

MUNICIPAL	AGE	CAPAC.	TYPE	SCHOOL	AGE	CAPAC.	TYPE
Waban Library*			Nat. Gas	Burr****			Nat. Gas
Health Dept.*			Nat. Gas	Horace Mann****			Nat. Gas
Police Annex*			Nat. Gas	Zervas (2)	20	10,000	Oil/Gas
Newton UF Comm. Center **	4	275	Oil	Countryside (2)	19	10,000	Oil
Auburndale Fieldhouse (above)	22	1,000	Oil	Williams (2)	17	10,000	Oil
Crafts St. DPW Operations Ctr.	20	1,000	Oil	Peirce (2)	17	10,000	Oil
Crafts St. Garage (3)	20	30,000	Gas/Diesel	Franklin (2)	17	10,000	Oil
Fire Station #10 (2)	16	2,000	Oil/Gas	Cabot (2)	17	10,000	Oil
Elliot St. DPW Operations Ctr.	16	1,000	Oil	Mason-Rice	16	15,000	Oil
Fire Headquarters	16	1,000	Oil	Memorial-Spaulding (2)	16	10,000	Oil
Auburndale Library	16	1,000	Oil	Bowen (2)	16	10,000	Oil
Senior Center	16	1,000	Oil	Bigelow	13	8,000	Oil
Elliot St. Garage (2)****	16	20,000	Gas/Diesel	South High (2)	13	20,000	Oil/Gas
Recreation Headquarters	16	2,500	Oil	Lincoln-Eliot	13	10,000	Oil
Fire Station #3 (3)	16	3,500	Oil/Gas/Diesel	Underwood	13	8,500	Oil
Nonantum Library	16	1,000	Oil	Brown (2)	13	20,000	Oil
Hawthorne Fieldhouse	15	1,000	Oil	F.A. Day	12	10,000	Oil/Gas
Police Headquarters	15	1,000	Oil	Angier	11	10,000	Oil
Fire Station #4 (2)	14	4,000	Oil/Diesel	Education Center	8	8,750	Oil
Public Buildings Headquarters	14	1,000	Oil	North High (2)	8	4,000	Oil/Gas
Fire Station #7 (2)	14	4,000	Oil/Diesel	Ward (basement)(4) *****	2	1,200	Oil/Gas
Fire Station #1 (2)	13	4,000	Oil/Diesel				
City Hall (basement)	12	7,600	Oil				
Fire Station #2 (2)	11	6,000	Oil/Diesel				

\* Converted to natural gas, tank removed in fall 2003

\*\* To be Converted to natural gas, UST removed in 2003, temp above ground 275 gallon tank in use

\*\*\*Tanks to be removed late fall 2006 & new above ground tanks to be installed

\*\*\*\*Converted to natural gas, tank removed in 2000

\*\*\*\*\*Converted to dual burner (oil or natural gas)

**FY07 Average Age by site 15.1**

**FY89 Average Age by site 29.0**

**FY07 Average Age by site 13.7**

**FY89 Average Age by site 24.0**

Fuel Tanks

Single walled underground fuel tanks have a life expectancy of 15 to 20 years, according to the E.P.A. and industry standards. All underground fuel tanks over 20 years of age are required to be replaced as of December 1998, in accordance with a 1988 E.P.A. directive. The City of Newton is now in compliance with that directive. Future work on fuel tanks will be to monitor the condition of above ground tanks and replace them as they reach the end of their useful lives.

In FY89, the average age of municipal fuel tanks was 29 years. Currently, the average age is 15.1 years. For school fuel tanks the average age of tanks has declined from 24 to 13.7 years.

CITY OF NEWTON  
SCHEDULE OF LAND AND BUILDINGS

	Land	6/30/2005 Book Value Buildings	2006 Add/(deletes)	2006 Depreciation	6/30/2006 Accumulated Depreciation	6/30/2006 Book Value Buildings
<b>GOVERNMENTAL FUNDS</b>						
City Hall/War Memorial (1932)	152,586	-	-	-	808,058	-
City Hall Elevator (1979)		-	-	-	78,154	-
City Hall Computer Room Impv - 2003		16,804	-	988	3,954	15,815
City Hall Energy Conseration Impv. - 2003		18,254	-	1,074	4,295	17,180
City Hall Roof Replacement (1994)		266,138	-	33,267	432,474	232,871
City Hall Underground Fuel Tank (1995)		36,713	-	4,079	48,951	32,634
City Hall Flooring Improvement ( 2004)		25,230	-	3,154	9,461	22,076
City Hall Window Replacement CPA (2005)		42,560	-	2,240	4,480	40,320
City Hall Window Replacement CPA (2006)		-	74,600	3,730	3,730	70,870
City Hall Window Replacement - Fund 01 (2006)		-	49,835	2,492	2,492	47,343
City Hall Lighting CPA (2005)		105,070	-	5,530	11,060	99,540
Kesseler Woods Conservation Land (2004) CPA Fund	5,056,718	-	-	-	-	-
Public Building Dept. HQ (1967)	4,027	14,160	-	1,287	51,491	12,873
<b>Total: General Government</b>	<b>5,213,331</b>	<b>524,928</b>	<b>124,435</b>	<b>57,841</b>	<b>1,458,600</b>	<b>591,522</b>
Police Headquarters (1932)	18,302	-	-	-	189,792	-
Police Headquarters Renovations (1998)		1,720,175	-	143,348	1,290,131	1,576,827
Police Dispatch Center Improvments 2004	-	14,927	-	1,866	5,598	13,061
Police Dispatch Center Improvments 2006		-	42,880	2,144	2,144	40,736
Police Garage (1959)	-	6,325	-	2,108	101,193	4,216
Police Annex (1925)	6,549	-	-	-	62,500	-
Police Annex Handicapped Improvements 2004	-	22,427	-	1,246	3,738	21,181
Police Annex Handicapped Improvements 2006 CDBG		-	96,147	9,615	9,615	86,532
Waban Hill Tower & Shed	85,486	-	-	-	5,000	-
<b>Total: Police Department</b>	<b>110,338</b>	<b>1,763,854</b>	<b>139,027</b>	<b>160,327</b>	<b>1,669,711</b>	<b>1,742,554</b>
Fire Alarm HQ (1928)	4,191	-	-	-	155,841	-
Fire Station Ventilation improvements		118,295	-	6,959	27,834	111,337
Station #1 (1963)	6,348	42,756	-	6,108	268,753	36,648
Station #1 Underground Fuel Tank (1994)		24,730	-	899	21,133	23,830
Station #2 (1963)	5,573	56,594	-	8,085	355,732	48,509
Station #3 (1955)	9,778	(0)	-	-	188,867	(0)
Station #4 (1955)	7,079	(0)	-	-	159,885	(0)
Station #4 Boiler Repl ( 2004)	-	22,500	-	1,250	3,750	21,250
Station #7 (1955)	39,021	(0)	-	-	180,369	(0)
Station #10 Roof (1994)		11,583	-	421	9,898	11,162
Station #10 (1948)	9,757	-	-	-	147,462	-
<b>Total: Fire Department</b>	<b>81,747</b>	<b>276,458</b>	<b>-</b>	<b>23,722</b>	<b>1,519,524</b>	<b>252,736</b>
<b>Total: Public Safety</b>	<b>192,085</b>	<b>2,040,312</b>	<b>139,027</b>	<b>184,048</b>	<b>3,189,235</b>	<b>1,995,290</b>
Education Center Building (1934)	35,036	-	-	-	798,824	-
Education Center Building Improvements (1981)		-	-	-	425,559	-
Education Center Roof (1997)		103,690	-	9,426	94,264	94,264
School Lighting Improvements (2004)	-	19,908	-	2,489	7,466	17,420
Elementary school boiler replacement (2006)		-	410,906	20,545	20,545	390,360
Carr School (2000)	18,141	1,963,251	-	43,628	306,285	1,919,623
Newton North High School (1975)	248,034	7,010,948	-	368,997	11,807,912	6,641,950
Newton North High School Improvements (1978)		-	-	-	707,844	-
Newton North High School Improvements (1982)		-	-	-	2,486,980	-
Newton North High School Improvements (1985)		(0)	-	-	1,754,161	(0)
Newton North High School Roof (1987)		16,139	-	16,139	322,776	0
Newton North High School Roof (1996)		397,651	-	39,765	437,416	357,886
Newton North High School HVAC (1996)		103,263	-	10,326	113,589	92,937
Newton South High School (1962)	334,773	571,653	-	95,275	4,287,394	476,377
Newton South High School Auto Shop (1977)		41,872	-	1,994	59,817	39,878
Newton South High Athletic Facilities (1978)		149,568	-	6,799	197,158	142,769
Newton South High Fuel Tank Replacement (1994)		31,409	-	3,926	51,039	27,483
Newton South High School Roof (1994)		48,000	-	6,000	78,000	42,000
Newton South High School Science Lab Renov. (2000)		2,680,727	-	60,926	426,479	2,619,802
Newton South High School Science Lab Renov. (2001)		89,420	-	1,987	11,923	87,433
Newton South High School Science Lab Renov. (2002)		10,924	-	10,924	54,622	-
Newton South High School Library/Audit. Renov (2000)		6,117,805	-	139,041	973,287	5,978,764
Newton South Hig School Renovations (2005) r/c from CIP	-	56,730,420	-	1,157,764	2,315,527	55,572,657
Newton South High School Renovations (2006)		-	1,811,844	36,237	36,237	1,775,607
Newton South High Energy Improvements (2006) - Funds 18/19		-	491,786	9,836	9,836	481,950
Bigelow Middle School (1970)	153,657	804,219	-	57,444	2,125,437	746,775
Bigelow Middle School (1994)		2,131,969	-	56,104	729,358	2,075,864
Bigelow Middle School Technology Impv. (2000)		577,240	-	41,231	288,620	536,008
Day Middle School (1972)	85,724	1,661,244	-	103,828	3,633,972	1,557,417
Day Middle School Impv (1983)		373,959	-	13,850	332,408	360,109
Day Middle School Roof (1995)		257,350	-	28,594	343,133	228,755

CITY OF NEWTON  
SCHEDULE OF LAND AND BUILDINGS

	6/30/2005	2006	2006	6/30/2006	6/30/2006	
Land	Book Value Buildings	Adds/(deletes)	Depreciation	Accumulated Depreciation	Book Value Buildings	
Day Middle School Fuel Tank (1995)		27,887	3,099	37,182	24,788	
Day Middle School Renovations (1997)		1,638,086	39,953	399,533	1,598,133	
Day Middle School Technology Impv. (2000)		638,206	45,586	319,103	592,620	
Brown Middle School (1956)	107,051	(0)	-	1,460,404	(0)	
Brown Middle School Addition (1963)		309,605	44,229	1,946,086	265,375	
Brown Middle School Fuel Tank (1995)		61,387	6,821	81,850	54,566	
Brown Middle School Addition (1999)		2,130,776	49,553	396,424	2,081,223	
Brown Middle School Technology (2000)		629,210	44,944	314,605	584,267	
Oak Hill School (1936)	28,468	-	-	206,358	-	
Oak Hill School Renovations (1961)		40,160	8,032	369,468	32,128	
Oak Hill Middle School Renovations (1998)		8,830,044	210,239	1,892,152	8,619,805	
Oak Hill Middle School Technology (2000)		656,673	46,905	328,336	609,768	
Angier Elementary School (1936)	19,771	-	-	460,332	-	
Angier Elementary Fuel Tank (1996)		35,843	3,584	39,427	32,259	
Angier Exterior Improvements (1996)		114,575	2,864	31,508	111,711	
Angier Handicapped Access Impv 2002		51,210	3,201	16,003	48,010	
Bowen Elementary School (1952)	115,358	-	-	240,991	-	
Bowen Elementary Improvements (1996)		410,417	10,260	112,865	400,156	
Bowen Elementary Tier I Renovations (2001)		3,283,879	71,389	356,943	3,212,490	
Bowen Elementary Tier I Renovations (2002)		17,428	379	1,894	17,050	
Bowen Modular (1995)	-	63,230	7,026	84,307	56,205	
Burr Elementary School (1967)	245,627	274,431	24,948	997,930	249,482	
Cabot Elementary School (1929)	15,850	-	-	616,756	-	
Cabot Elementary School (1957)		7,590	7,590	379,508	0	
Cabot Masonry improvements 2003		80,750	4,750	19,000	76,000	
Countryside Elementary School (1953)	73,936	-	-	314,102	-	
Countryside Elementary School (1959)		20,469	6,823	327,503	13,646	
Countryside Modulares (2000)	-	187,270	13,376	93,635	173,894	
Countryside Roof (2006)		-	122,204	6,110	116,094	
Countryside Generator (2006) 01C		-	49,025	4,903	44,123	
Franklin Elementary School (1939)	53,859	-	-	603,586	-	
Horrace Mann Elementary School (1965)	15,940	125,832	13,981	587,215	111,851	
Horace Mann Modular Classroom 2003		76,479	4,499	17,995	71,980	
Lincoln-Eliot Elementary School (1939)	6,060	-	-	294,789	-	
Lincoln Eliot Elementary School Fuel Tank (1994)		17,336	2,167	28,172	15,169	
Lincoln Eliot Elementary School Renov. (1977)		617,269	29,394	881,813	587,876	
Mason-Rice Elementary School (1959)	52,272	97,588	32,529	1,561,414	65,059	
Memorial-Spaulding Elem. School (1954)	55,862	0	(16,584)	812,630	16,584	
Memorial Spaulding Elem School Roof (1994)		107,552	13,444	174,772	94,108	
Memorial-Spaulding Modular (1995)	-	86,555	10,819	140,652	75,736	
Memorial-Spaulding Tier I Renovations (2003)		4,660,535	99,160	396,641	4,561,375	
Memorial-Spaulding Tier I Renovations (2005)		98,396	5,179	10,358	93,218	
Pierce Elementary School (1951)	36,759	-	-	806,034	-	
Pierce Elementary School Roof Replacement - 2002		348,200	21,763	108,813	326,438	
Underwood Elementary School (1924)	33,256	-	-	263,058	-	
Underwood Elementary School Renov. (1980)		338,668	24,191	895,051	314,478	
Underwood Elementary School Fuel Tank (1994)		17,336	2,167	28,172	15,169	
Underwood Boiler Replacement 2003	-	78,501	4,618	18,471	73,883	
Underwood Boiler Replacement 2003	-	17,551	975	2,925	16,576	
Ward Elementary School (1928)	31,600	-	-	254,027	-	
Ward Elementary School (1956)		0	-	259,040	0	
Williams Elementary School (1950)	11,225	-	-	512,703	-	
Williams Elementary School Tier I Renovations(2002)		3,535,179	76,852	384,259	3,458,327	
Williams Elementary School Tier I Renovations (2003)		32,952	701	2,804	32,251	
Zervas Boiler 2004	-	41,486	2,305	6,914	39,181	
Zervas Elementary School (1953)	52,770	-	-	630,621	-	
<b>Total: Public Schools</b>	<b>1,831,028</b>	<b>111,699,171</b>	<b>2,885,764</b>	<b>3,337,800</b>	<b>56,776,015</b>	<b>111,247,136</b>
Eliot Street Operations Center (1927)	-	-	-	68,164	-	
Eliot Street Garage (1958)	62,810	3,439	1,720	84,260	1,720	
Eliot Street Garage Windows/Exterior Impv (1996)		61,747	6,175	67,921	55,572	
Eliot Street Sand/Salt Shed (1995)	-	119,250	13,250	159,000	106,000	
Eliot Street Boiler Replacement		22,016	2,446	4,892	19,570	
Crafts Street Garage/Operations Center (1927)	41,162	-	-	68,164	-	
Crafts Street Garage/Operations Center (1989)	-	1,672,903	50,694	912,492	1,622,209	
Rumford Ave Household Hazardous Waste Facility		45,887	998	4,988	44,889	
Parking Meters	-	-	-	-	-	
Elm St Parking Lot	5,255	-	-	-	-	
Richardson St Parking Lot	5,899	-	-	-	-	
Chapel St Parking Lot	2,553	-	-	-	-	
Lexington Street Parking Lot	4,055	-	-	-	-	
Pearl St Parking Area	4,914	-	-	-	-	
<b>Total: Public Works</b>	<b>126,648</b>	<b>1,925,241</b>	<b>-</b>	<b>75,282</b>	<b>1,369,882</b>	<b>1,849,959</b>

CITY OF NEWTON  
SCHEDULE OF LAND AND BUILDINGS

	Land	6/30/2005 Book Value Buildings	2006 Adds/(deletes)	2006 Depreciation	6/30/2006 Accumulated Depreciation	6/30/2006 Book Value Buildings
Public Health Dept.						
Health Dept. Office (1934)	3,710	-	-	-	40,246	-
Human Services Dept.						
Senior Center (1938)	8,684	-	-	-	102,516	-
Senior Center Renovations (1994)	-	570,000	-	15,000	195,000	555,000
Veteran Services Dept. (Grave Sites)-2003	25,000	-	-	-	-	-
Veteran Services Dept. (Grave Sites)-2002	25,000	-	-	-	-	-
<b>Total: Health &amp; Human Services</b>	<b>62,394</b>	<b>570,000</b>	<b>-</b>	<b>15,000</b>	<b>235,246</b>	<b>555,000</b>
Newton Public Library						
Main Library (1992)	51,055	10,890,827	-	302,523	4,537,845	10,588,304
Main Library Impv (1998)	-	232,599	-	5,538	49,843	227,060
Library Cooling system improvements (2004)	-	27,169	-	3,396	10,188	23,773
Auburndale Branch Library (1934)	4,345	-	-	-	77,549	-
Nonantum Branch Library (1957)	2,644	8,584	-	2,861	137,342	5,723
Newton Corner Branch Library (1910)	9,135	-	-	-	82,494	-
Newton Corner Branch Library Improvements (CPA) (2006)	-	-	269,701	13,485	13,485	256,216
Newton Corner Branch Library Impv 2002 (CDBG)	5,901	41,813	-	909	4,545	40,904
Waban Branch Library (1934)	-	-	-	-	63,500	-
Total: Public Library	73,080	11,200,992	269,701	328,712	4,976,792	11,141,980
Crescent Street Parks HQ	22,518	-	-	-	20,000	-
Crystal Lake Bathhouse (1931)	1,048	-	-	-	99,712	-
Chrystal Lake Improvements 2004	-	80,856	-	4,492	13,476	76,364
Gath Pool	-	32,366	-	4,046	173,965	28,320
Forte Park Improvements - CPA - (2006)	-	-	489,225	24,461	24,461	464,764
Bowen Field Irrigation - CP A (2006)	-	-	29,800	1,490	1,490	28,310
Playground improvements - Fund 01C (2006)	-	-	41,171	4,117	4,117	37,054
Tennis court improvements - Fund 01C (2006)	-	-	121,691	12,169	12,169	109,522
Park handicapped improvements - CDBG (2006)	-	-	54,207	5,421	5,421	48,786
Gath Pool Impv - 2002 (C1155407)	-	24,000	-	-	-	24,000
Angino Farm Acquisition (CPA) 2005	2,244,042	-	-	-	-	-
Elgin Street Conservation Restriction (CPA) 2005	239,210	-	-	-	-	-
Sterns Playground	8,000	-	-	-	-	-
Allison Park/Fieldhouse (Forte Park)	547,200	-	-	-	8,513	-
Albemarle Rd Playground/Fieldhouse	8,325	1,390	-	1,390	69,521	-
Boyd Playground	10,900	-	-	-	-	-
Boyd Playground improvmente - 2006	-	-	28,000	2,800	2,800	25,200
Bulloughs Pond/Skating Shelter	20,000	-	-	-	15,329	-
Farlow Park	68,000	-	-	-	-	-
Cabot Park/Fieldhouse	23,500	-	-	-	15,892	-
Clafin Field	21,000	-	-	-	-	-
Cold Spring Park	119,040	-	-	-	-	-
Burr Park/Fieldhouse	250,000	-	-	-	39,459	-
Burr Park Handicapped Access Impv - CDBG 2004	-	17,330	-	963	2,888	16,367
Hawthorne Playground	12,500	-	-	-	63,255	-
Horrace Mann Playground	4,600	-	-	-	-	-
Edmands Park	10,100	-	-	-	-	-
West Newton Playground	19,000	-	-	-	-	-
West Newton Cemetery	16,198	-	-	-	-	-
Winchester St Cemetery	13,778	-	-	-	-	-
Centre St. Cemetery	28,838	-	-	-	-	-
Eden Avenue Playground	3,500	-	-	-	-	-
Auburndale Playground/Fieldhouse	12,654	-	-	-	9,718	-
Lower Falls Community Center	-	6,926	-	3,463	169,677	3,463
Paul Park	30,649	-	-	-	-	-
Islington Park	3,500	-	-	-	-	-
Kendrick Park	7,199	-	-	-	-	-
Waban Playground	13,000	-	-	-	-	-
Ward St Playground	10,500	-	-	-	-	-
Highland Playground	-	-	-	-	-	-
Upper Falls Playground/Fieldhouse	6,500	1,384	-	-	15,911	1,384
Upper Falls Community Center	-	6,179	-	-	71,056	6,179
Newton Highlands Playground	10,000	-	-	-	-	-
Newton Center Playground/Fieldhouse	74,188	-	-	-	38,166	-
Newton Commonwealth Golf Course	710,000	-	-	-	-	-
Normbega Park	135,000	-	-	-	-	-
Nahanton Park & Fieldhouse	-	32,256	-	2,304	85,247	29,952
Winchester Street Garage	-	7,029	-	502	18,575	6,527
Webster Conservation Land	847,667	-	-	-	-	-
Wabasso St Land Acq	344,775	-	-	-	-	-
Hyde School Playground	9,350	-	-	-	-	-

CITY OF NEWTON  
SCHEDULE OF LAND AND BUILDINGS

	Land	6/30/2005 Book Value Buildings	2006 Adds/(deletes)	2006 Depreciation	6/30/2006 Accumulated Depreciation	6/30/2006 Book Value Buildings
Davis School Playground	14,383	-	-	-	-	-
Nahanton Path Handicapped Access - 2003		13,772		6,886	27,544	6,886
Dolan Pond Conservatn Boardwalk - 2003		170,289		10,017	40,068	160,272
Houghton Garden Improvements - 2003		30,440		1,791	7,162	28,650
Weeks Playground	150,074	-	-	-	-	-
Watertown St Playground	3,750	-	-	-	-	-
Warren Playground	35,572	-	-	-	-	-
Other Park Land per Assessors	3,177,753	-	-	-	-	-
<b>Total: Parks &amp; Recreation Department</b>	<b>9,287,813</b>	<b>424,215</b>	<b>764,094</b>	<b>86,311</b>	<b>1,055,594</b>	<b>1,101,998</b>
Jackson Homestead Museum	9,509	67,081		5,590	218,014	61,491
<b>Total: Culture &amp; Recreation</b>	<b>9,370,402</b>	<b>11,692,288</b>	<b>1,033,795</b>	<b>420,614</b>	<b>6,250,400</b>	<b>12,305,469</b>
<b>Total General Capital Assets</b>	<b>16,795,887</b>	<b>128,451,940</b>	<b>4,183,021</b>	<b>4,090,585</b>	<b>69,279,377</b>	<b>128,544,376</b>
<b><u>SEWER FUND</u></b>						
Elliot Street Water/Sewer Facility	6,282	656,701		15,272	122,177	641,429
Pump Station improvements - 2003		50,196		2,953	11,811	47,243
Quinabaquin Pump Station	1,851	133,000		3,800	60,800	129,200
Edgewater Park Pump Station	2,000	66,500		1,900	30,400	64,600
Islington Road Pump Station	2,000	66,500		1,900	30,400	64,600
Prarie Ave Pump Station	2,000	66,500		1,900	30,400	64,600
Longfellow Rd Pump Station	2,000	66,500		1,900	30,400	64,600
Waban Ave Pump Station	2,000	66,500		1,900	30,400	64,600
Oldham Rd Pump Station	2,000	66,500		1,900	30,400	64,600
Hamlet Street Pump Station	2,000	66,500		1,900	30,400	64,600
Grayson Land Pump Station	2,000	66,500		1,900	30,400	64,600
Elliot Street Pump Station	2,112	66,500		1,900	30,400	64,600
<b>Total: Sewer Capital Assets</b>	<b>26,245</b>	<b>1,438,397</b>	<b>-</b>	<b>39,125</b>	<b>468,388</b>	<b>1,399,272</b>
<b><u>WATER FUND</u></b>						
Elliot Street Water/Sewer Facility	6,281	656,701		15,272	122,177	641,429
Waban Hill Reservoir	85,486	697,735		17,891	214,688	679,844
Engine 10 Fire House Pump Station	-	-		-	-	-
Oak Hill Water Tank	2,000	-		-	181,785	-
Winchester Street Water Tank	2,000	-		-	181,785	-
Stanton Ave Water Tank	2,000	-		-	181,785	-
Aqueduct Land	160,773	-		-	-	-
<b>Total Water Capital Assets</b>	<b>258,541</b>	<b>1,354,436</b>	<b>-</b>	<b>33,163</b>	<b>882,219</b>	<b>1,321,273</b>
<b><u>KENNARD FUND</u></b>						
Kennard Estate	303,184	168,000		7,000	189,000	161,000
<b>Total Capital Assets - All Funds</b>	<b>\$ 17,383,857</b>	<b>\$ 131,412,773</b>	<b>\$ 4,183,021</b>	<b>\$ 4,169,873</b>	<b>\$ 70,818,984</b>	<b>\$ 131,425,920</b>

CITY OF NEWTON  
CAPITAL ASSET ACCOUNT GROUP  
Fiscal Year Ended June 30, 2006

	Beginning Balances	Increases	Decreases	Ending Balances
<b>Governmental activities:</b>				
Capital assets not being depreciated:				
Land	17,099,071	-	-	17,099,071
Construction in progress	2,818,956	2,071,653	(288,790)	4,601,819
Sub-total	19,918,027	2,071,653	(288,790)	21,700,890
Capital assets being depreciated:				
Buildings and improvements	193,990,732	4,183,021	-	198,173,753
Equipment and machinery	36,369,121	2,503,321	(104,626)	38,767,816
Road network	47,871,713	1,196,322	-	49,068,035
Sub-total	278,231,566	7,882,664	(104,626)	286,009,604
Less: accumulated depreciation:				
Buildings and improvements	(65,370,792)	(4,097,585)	-	(69,468,377)
Equipment and machinery	(23,756,764)	(2,992,524)	88,882	(26,660,406)
Road network	(14,040,072)	(1,219,592)	-	(15,259,664)
Sub-total	(103,167,628)	(8,309,701)	88,882	(111,388,447)
Governmental capital assets, net	194,981,965	1,644,616	(304,534)	196,322,047

	Beginning Balances	Increases	Decreases	Ending Balances
<b>Water systems:</b>				
Capital assets not being depreciated:				
Land	258,540	-	-	258,540
Construction in progress	-	-	-	-
Sub-total	258,540	-	-	258,540
Capital assets being depreciated:				
Buildings and improvements	2,203,492	-	-	2,203,492
Equipment and machinery	3,984,319	216,041	(61,700)	4,138,660
Water system	21,381,328	2,636,661	-	24,017,989
Sub-total	27,569,139	2,852,702	(61,700)	30,360,141
Less: accumulated depreciation:				
Buildings and improvements	(849,057)	(33,163)	-	(882,220)
Equipment and machinery	(2,742,803)	(137,038)	55,530	(2,824,311)
Water system	(5,575,075)	(465,007)	-	(6,040,082)
Sub-total	(9,166,935)	(635,208)	55,530	(9,746,613)
Water system capital assets, net	18,660,744	2,217,494	(6,170)	20,872,068

CITY OF NEWTON  
CAPITAL ASSET ACCOUNT GROUP  
Fiscal Year Ended June 30, 2006

	Beginning Balances	Increases	Decreases	Ending Balances
<b>Sewer system</b>				
Capital assets not being depreciated:				
Land	26,245	-	-	26,245
Construction in progress	-	-	-	-
Sub-total	26,245	-	-	26,245
Capital assets being depreciated:				
Buildings and improvements	1,867,659	-	-	1,867,659
Equipment and machinery	1,352,485	89,447	-	1,441,932
Sanitary sewer system	39,557,509	349,905	-	39,907,414
Sub-total	42,777,653	439,352	-	43,217,005
Less: accumulated depreciation:				
Buildings and improvements	(429,263)	(39,125)	-	(468,388)
Equipment and machinery	(370,569)	(70,398)	-	(440,967)
Sanitary sewer system	(11,301,230)	(786,003)	-	(12,087,233)
Sub-total	(12,101,062)	(895,526)	-	(12,996,588)
Sewer system capital assets, net	30,702,836	(456,174)	-	30,246,662

## Depreciation Schedules

	<u>Capitalization Threshold</u>	<u>Useful Life</u>
Land	\$ 1.00	Indefinite
Buildings	\$ 15,000.00	50 years
Modular Classrooms		20 years
Equipment	\$ 15,000.00	automobiles: 10 years , except police cruisers @ 5 years computers: 5 years trucks & constuction equipment: 20 years
Building Improven	\$ 15,000.00	Roof - 20 years Elevator - 20 years HVAC Systems - 20 years Lighting/Flooring - 10 years
Intangibles	\$ 15,000.00	software: 5 years
Infrastructure	\$ 15,000.00	
Water Mains		50 years
Sewer Mains		50 years
Streets		50 years
Drains		50 years
Traffic Signals		20 years
Sidewalks		20 years

Depreciation methodology - straightline for all capital assets.

<b>PARKS AND RECREATION</b>					
<b>CAPITAL IMPROVEMENT PLAN FY08-FY12</b>					
	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>Building Improvements</b>					
Equipment Shed			40,000		
Parking Lot Improvements	90,000	90,000	90,000	90,000	90,000
	<b>90,000</b>	<b>90,000</b>	<b>130,000</b>	<b>90,000</b>	<b>90,000</b>
<b>Facilities and Equipment</b>					
Backstop Replacement/Repair	15,000	15,000	15,000	15,000	15,000
Bleachers Citywide	10,000	10,000			
Edmands Park Wall Repair			57,400		
Nahanton Park Shelter	30,000				
New Vehicles/Equipment	168,000		191,000	29,000	
Playground Apparatus	25,000	25,000	25,000	25,000	25,000
Playground Surfacing/Repairs	30,000	30,000	30,000	30,000	30,000
Practice Lighting at Newton Highlands			16,500		
Sports Lighting at Halloran Complex	150,000				
Square/Business District Improvements	25,000	25,000	25,000	25,000	25,000
Tennis Lighting at Newton South High School			93,500		
Well Pump Replacement	20,000	20,000	20,000	20,000	20,000
	<b>473,000</b>	<b>125,000</b>	<b>473,400</b>	<b>144,000</b>	<b>115,000</b>
<b>CPA Projects</b>					
Nahanton Park - Phase II - Development	500,000				
Edmands Park Development			500,000		
Cold Spring Construction Phase II					500,000
	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>
<b>Park/Playfield Maintenance</b>					
Court Repairs	185,550	535,500	475,500	457,500	397,500
Turf Control	50,000	50,000	50,000	50,000	50,000
Tree Pruning	50,000	50,000	50,000	50,000	50,000
Tree Planting	75,000	75,000	75,000	75,000	75,000
Field Renovations	50,000	50,000	50,000	50,000	50,000
Park Benches	15,000	15,000	15,000	15,000	15,000
Tree Inventory			40,000		
	<b>425,550</b>	<b>775,500</b>	<b>755,500</b>	<b>697,500</b>	<b>637,500</b>
<b>TOTALS:</b>	<b>1,488,550</b>	<b>990,500</b>	<b>1,858,900</b>	<b>931,500</b>	<b>1,342,500</b>

## Parks and Recreation Department Capital Projects FY08-FY12

### **Building Improvements**

#### Equipment Shed

Construction of an equipment shed at P&R office. This shed would be utilized to store equipment that currently remains outside during the winter. 40'x60' edifice constructed of cinder block.

#### Parking Lots, Driveways, and Walkways

Reclamation of the following asphalt areas which are located on Parks & Recreation controlled lands: Auburndale Cove, (Parking lot/walkways), Burr Park (Driveway), Cabot Park (Walkways), Hamilton (Parking lot), Nahanton Park (Driveway), Newton Center Playground (Driveway/Walkways), Newton Highlands (Parking lot), Upper Falls (Parking lot).

## **Facilities and Equipment**

### Backstop Repair

There are 61 backstops, citywide. Many of these were erected a number of years ago and are in need of repair and renovation. The first priorities are Lincoln-Eliot, Upper Falls, Lincoln-Warren, and Burr Park.

### Bleacher Replacement

This project would purchase and install bleachers at the following sites: Newton North High School, Newton South High School, and Albemarle. The first two projects are being evaluated in light of the renovations to the two high schools.

### Edmands Park Wall Repair

This wall runs along the park perimeter facing Blake St. It was installed in the 1930's. This project would also preserve the original stone wall and prevent further deterioration.

### Nahanton Park Shelter

This project entails erecting an open sided roof structure on a 20 foot x 50 foot existing concrete wall at Nahanton Park. This will be utilized for canoe storage and Outdoor Adventure programs.

### New Vehicles/Equipment:

A vehicle and equipment replacement program has been in effect for nine years. Through CIP funding, the Department has been meeting its minimum equipment replacement needs. An equipment and vehicle inventory follows.

### Playground Apparatus

A playground apparatus replacement program has been in operation for six years. In cooperation with the School Department, the Park and Recreation Department's first priority is replacing existing equipment that is a safety hazard, and then fulfilling community and school needs. In recent years, the City has provided funding from the funds provided by the Boston Marathon, supplemented with funds raised and donated by neighborhood groups in and around the playgrounds scheduled for new equipment.

### Playground Safety Resurfacing and Repair

This project would allow the Department to replace and install fibar (safety surfacing material) under and around play apparatus citywide. It will also include the repair and replacement of equipment (e.g., chains & swings, etc.).

### Sports/Practice Lighting

The Department believes that the lighting systems at the two high school tennis courts will need to be upgraded and made more efficient in the next few years. The Halloran Sports Complex and the Newton Highlands football practice field lights need to be replaced.

### Square/Business Park Improvements

This money would be used to improve the condition of the trees in the squares and business districts in the City. Based on the need and funding, the metal grates and guards

would be systematically removed from the trees in these areas. After they are removed the pits would be weeded, cleaned and mulched with wood chips. The trees would also be pruned to promote better growth and structure. The proposed funding would cover the cost of approximately 100 to 150 trees.

#### Tennis Lighting Replacement at NSHS

Replace lighting for 12 courts (40 fixtures on 8 poles)

#### Well Pump Replacement

Replacement of well pumps at sites that are irrigated by a well. Average life span of a well is 8 years. There are 13 sites that are irrigated by wells. The Department anticipates the loss of 2 well pumps per year.

#### **CPA Projects**

The Parks and Recreation Commission is currently reviewing proposals for several parks throughout the City. It will evaluate the priority of each project and submit these plans to the Community Preservation Committee. Its priority projects are Nahanton Park, Edmands Park, and Cold Spring Park.

#### **Park and Play Field Maintenance**

The Parks and Recreation Department is responsible for both recreational programming and facilities maintenance. There are 48 recreation facilities, over 1,100 acres of parkland and athletic grounds, and over 400,000 city trees. This CIP request is for specialized maintenance items necessary for the Department to maintain its high standard of operations and services.

#### Court Repairs

There are 71 tennis courts, 22 basketball courts, and 8 multi-purpose courts throughout the city. To provide safe, playable court facilities, the hard surface of basketball and tennis courts will be renovated and resurfaced on a priority basis to meet safety needs. An inventory of courts follows.

#### Field Renovations

Due to heavy use and increased popularity, the Department has begun renovating recreation and play fields throughout the city. Fields that have never been renovated will be prioritized and scheduled for sodding, loaming, seeding, irrigation, and fencing. The City supplements its funding with donations of labor and contracted services from Newton Youth Soccer.

#### Park Benches

This project will entail the removal of existing benches, the purchase of benches and the installation of benches citywide. Many benches date back to the 1940's and WPA projects. Most of these benches will be made of recyclable material.

#### Tree Inventory

The survey would be tied into Newton's GIS program. The survey would indicate the type of tree, size, condition, and maintenance. With a comprehensive database of the

City's urban forest, the Forestry Department will track routine maintenance and storm impacts on the forest.

### Tree Planting

This project would replace the trees removed annually. Approximately 350-400 trees are removed due age, disease, storms, and construction. The trees planted would be 2-2 1/2 inches in caliper, balled, burlapped, and installed by a contractor with 2 year warranty.

### Tree Pruning

Pruning of all street trees is being evaluated in the context of forestry services currently provided. A proposed program would divide the City into five sectors to be pruned successively. Such a pruning has never been done systematically and it would enhance the safety of street trees as well as extend their lives.

### Turf Control

Over the past eight years, the City has invested heavily in field repairs, renovating almost 80 acres of playing fields. The turf control program protects that investment and gives special attention to recreation areas that show excessive wear and tear due to heavy use. The program encompasses fertilization, weeding, aeration, and seeding of playing fields and other irrigated areas, such as the Library lawns. The City supplements its funding with funds from the Newton Commonwealth Golf Course and from Newton Youth Soccer.

**PARKS AND RECREATION****MAJOR EQUIPMENT**

<b>Inventory</b>	<b>Age</b>	<b>Description</b>
1	1993	Surplus (426 Scoop)
1	1980	Small Ford Loader #468
1	1999	Stump Cat
6	1995	Turf Cat
7	98-2002	Trailer
1	1995	Brush Chipper
1	1999	Brush Chipper
4	1998	Snow Blower
1	2002	Post Digger
1	2002	Leaf Hog
5	1990	9.6 Blower
3	97-2002	10.0 Sanders Hydraulic
2	1992	10.0 Generator
1	1992	6.0 52" Bunton Mower
1	2000	Brush Cutter Mower
1	1972	29.0 Bandstand
1	1990	12.0 Super Rake
2	2002	Hustlers
1	1997	1-Ton Roller w/Trailer
1	1990	3 Point Aerator
1	1990	3 Hitch Slicer Seeder
2	1997	Portable Water Tank
1	1990	3 Point High Pitch Spreader
1	1997	Bob-Cat Trailer
2	1997-99	SmithCo Super Rake-Diesel
2	1996-00	Sod Cutter (Ryan)
2	1992-00	Roto-Tiller (B.S.C. Tiller)
1	1989	13.0 Bob-Cat
1	1998	SmithCo. 3 wheel roller
<b>55</b>	<b>TOTAL PIECES OF EQUIPMENT</b>	

<b>PARK AND RECREATION VEHICLE INVENTORY</b>			
<b>VEHICLE #</b>	<b>YEAR</b>	<b>MAKE</b>	<b>MODEL</b>
<b>TRUCKS</b>			
402	1995	FORD	F 250 4x4
404	2000	FORD	F 150 XLT
405	1995	FORD	F 250 XL
417	2002	FORD	EXTENDED CAB PICKUP
418	2002	FORD	F 150 XL
420	1991	FORD	E-350 (Carpentry Van)
421	2002	FORD	F 250 XLT
422	1996	FORD	F 150
423	1997	FORD	F 350 DUMP TRUCK
424	1995	FORD	F 250 4x4
425	?	CHEVY	GMT 400
427	1995	FORD	F 250 XL
429	1995	FORD	F 350 XL DUMP TRUCK
430	1998	INTERNATIONAL	400 SER DUMP TRUCK
437	1994	CHEVY	GMT 400 DUMP TRUCK
439	1994	CHEVY	F 350 DUMP TRUCK
444	2002	CHEVY	2500 HD PICKUP
<b>OTHER EQUIPMENT</b>			
414	1990	CHEVY	C6M RUBBISH TRUCK
416	1994	INTERNATIONAL	400 SER RUBBISH TRUCK
432	1985	GMC	6000 DUMP TRUCK (Leaf Truck)
456	1982	BOBCAT	843 SKIDLOADER SERIES
460	2002	POLARIS	PROFESSIONAL SERIES
468	1980	FORD	340 LOADER
<b>SEDANS</b>			
5	2003	FORD	TAURUS
10	1997	FORD	TAURUS
15	2003	FORD	TAURUS
55	2002	FORD	WINDSTAR LX WAGON
400	1995	FORD	TAURUS
401	1995	FORD	CLUB VAN
406	1995	FORD	CLUB VAN
409	1996	FORD	TAURUS
410	1997	FORD	TAURUS
413	2002	FORD	CLUB VAN

**33 TOTAL VEHICLES**

<b>COURT INVENTORY</b>		
<b>TENNIS COURT LOCATION</b>	<b>YEAR REPAIRED</b>	<b>NUMBER OF COURTS</b>
Albemarle	1998	2
Angier	1997	3
Auburndale	1997	2
Burr Park	1993	4
Burr School	1988	2
Cabot Park	1987	2
Cold Spring Park	1998	3
Hamilton	2004	2
Hawthorn	1995	2
Newton Centre (clay)	1989	5
Newton Highlands	1987	2
NNHS (Lighted)	1994	10
NSHS (Lighted)	1994	12
Solomon Sche.Sch.	1997	2
Stearns	1985	2
Upper Falls	1987	2
Ward School	1987	2
Warren Jr. High	1997	7
Weeks Playground	1991	4
Wellington	2006	1
<b>TOTAL TENNIS:</b>		<b>71</b>
<b>BASKETBALL COURTS:</b>		
Albemarle	1998	1
Angier School	1997	1
Auburndale	1997	1
Boyd Park	1988	1
Burr Park	1991	1
Cabot Pk (lighted)	1994	1
Carr Playground	1986	1
Cold Spring Park	1998	2
Countryside	1993	1
Eden Plgrnd/NCSC	1997	1
Emerson	1994	1
Forte	1999	
Franklin	1998	1
Hamilton	1987	1
Memorial-Spaulding	?	1
N Centre (Lighted)	1994	1
Newton Highlands	1991	1
Peirce School	1989	1
Stearns	1987	1
Upper Falls	1977	1
Wellington	1980	1
Ward	1998	1
<b>TOTAL BASKETBALL</b>		<b>22</b>
<b>MULTI-PURPOSE COURTS:</b>		
Angier School		1
Burr School		1
Bowen School		1
Horace Mann School		1
Newton South High		1
Solomon Schechter		1
Williams School		1
Zervas School		1
<b>TOTAL MULTI-PURPOSE</b>		<b>8</b>
<b>GRAND TOTAL:</b>		<b>101</b>

<b>PROPOSED FIVE-YEAR CAPITAL PLAN (FY08 - FY12)</b>					
<b>PROJECT</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
Newton North High School	\$20,400,000	\$39,583,334	\$32,083,333	\$48,933,333	
ADA/Accessibility Requirements	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Heating & Ventilation Systems	\$150,000	\$175,000	\$175,000	\$275,000	\$275,000
Generators	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Window & Door Systems*	\$1,250,000	\$900,000	\$900,000	\$900,000	\$900,000
Exterior Masonry	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000
Roofs/gutters		\$75,000	\$75,000	\$75,000	\$75,000
Energy Efficient Lighting Retrofit		\$300,000	\$300,000	\$200,000	\$200,000
<b>SUB- TOTAL</b>	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000
<b>TOTAL</b>	\$22,150,000	\$41,333,334	\$33,833,333	\$50,683,333	\$1,750,000

\* The FY08 estimate of \$1,250,000 is for windows and doors at Brown.

### **Public Education**

The School Committee annually determines the capital needs of the School Department and reports them to the Public Buildings Department.

Large capital projects, such as school renovations are funded with bond proceeds. mid-sized projects, such as those listed above, are funded with Free Cash in the annual supplemental capital budget. The School Department budget also contains funds for the acquisition of smaller capital items, such as computers and related technology.

<b>TECHNOLOGY, OTHER PROJECTS AND EQUIPMENT CAPITAL IMPROVEMENT PLAN FY08-FY12</b>					
	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>INFORMATION TECHNOLOGY</b>					
Citywide Network Hardware	59,800	59,500	51,800	9,000	22,500
Computer Software	15,000	10,000	10,000	10,000	10,000
Geographic Information System	117,000	17,000	10,000	15,000	14,000
Non-Network Hardware	36,000	26,000	25,000	25,000	25,000
<b>IT Total</b>	<b>227,800</b>	<b>112,500</b>	<b>96,800</b>	<b>59,000</b>	<b>71,500</b>
<b>OTHER PROJECTS/EQUIPMENT</b>					
Burial Grounds Restoration (CPA)		394,451			
Flagpole Painting and Repair	20,000		20,000		
Photocopier Replacement	22,667	26,253	32,251	29,361	10,650
Vehicle Replacements	90,000	100,000	100,000	100,000	100,000
Veterans' Graves		25,000			
<b>Other Total</b>	<b>132,667</b>	<b>545,704</b>	<b>152,251</b>	<b>129,361</b>	<b>110,650</b>
<b>PLANNING &amp; CONSERVATION</b>					
<b>CDBG-FUNDED PROJECTS</b>					
ADA Access and City Facilities	100,000	100,000	100,000	100,000	100,000
Sidewalk and Curb Access	50,000	50,000	50,000	50,000	50,000
Nonantum Parks Improvements	185,000				
Newtonville Improvements		92,500			
<b>CONSERVATION PROJECTS</b>					
Tree & Pathway Improvement		10,000		10,000	
<b>Planning Total</b>	<b>335,000</b>	<b>252,500</b>	<b>150,000</b>	<b>160,000</b>	<b>150,000</b>
<b>TOTAL</b>	<b>695,467</b>	<b>910,704</b>	<b>399,051</b>	<b>348,361</b>	<b>332,150</b>

## Information Technology Department Capital Projects FY08-FY12

### Citywide Network Hardware

Replacement of network hardware, e.g., routers and servers.

### Computer Software

Replacement, upgrades, and expansion of software to replace outdated systems and meet department needs.

### Personal Computers

In order to keep abreast of the changes in personal computer technology, the Information Technology Departments replaces personal computers inventory every year.

### GIS

Expand Geographic Information System with program enhancements. The database is developed in layers, with each containing a distinct type of data. A layer may contain geographic features, such as rivers, streets, railroad tracks, neighborhood boundaries, school districts, bus routes, water and sewer infrastructure, property assessments, etc. Departments utilizing this system include Engineering, Assessors, Public Works, Planning, Public Buildings, Inspectional Services, School, Fire, and Police. Aerial

photographs contained in the GIS were last taken in 2000. Numerous large developments have occurred since that time. New photographs will make available data more current and can increase the detail accuracy which can improve the ability to calculate such things as storm water flow. Other equipment includes plotters, printers, and networking components.

## **Other Departments**

### Burial Grounds Restoration Phases Two and Three

Funds will be used to undertake landscaping, stone conservation and repair, structural tomb repair, and wall and fence repair and replacement as recommended in the Burying Grounds Master Plan created for the Newton Historical Commission in 1990. Money requested in subsequent years will be used to undertake landscaping, signage, stone restoration, fence construction, and vault restoration as outlined in the Master Plan. (CPA)

### Vehicle Replacement

The Purchasing Department coordinates the vehicle purchases for all the smaller departments including: Assessing, Engineering, Health, Human Resources, Human Services, Information Technology, Inspectional Services, the Library, Planning, and Public Buildings. Based on the life expectancies, usage, and historic pattern of vehicle replacement, it is expected that the Department will purchase an average of eight vehicles per year. It is the city's policy to replace the vehicles that are in the worst condition each year and to transfer vehicles among and between departments to extend their use. The City currently buys used vehicles at auction.

### Flagpole Painting and Repair

Many of the flagpoles in the City need to be repainted.

### Photocopier Replacement Program

The Department catalogues, monitors, and replaces photocopiers based on age and annual rate of usage. An inventory of photocopiers and a replacement schedule follow.

### Veteran's Graves

This item is for the purchase of gravesites at Newton Cemetery for veterans who are or were residents of the City of Newton.

## **Planning Department Capital Projects**

### **CDBG Projects**

The Community Development Block Grant (CDBG) program, administered through the Planning Department, establishes five year spending plans. These plans are formulated after discussions with residents, community groups, elected officials, and public hearings. The current CDBG plan runs through FY05. The CDBG program is in the process of holding public hearings on its next phase of projects.

### **Conservation Projects**

These projects consist of the acquisition, maintenance, and improvement of conservation land by improving access and facilities.

#### Conservation Tree and Pathway Improvements

The proposed improvements include deferred tree work and pathway resurfacing and stabilization in multiple areas including: Norumbega, Kennard, Saw Mill Brook, Webster, Goodard, Christina, Oakdale Woods, Charles River Pathway at Williams St. Stabilization work at Norumbega and Charles River Pathway/Williams St. are needed to make these locations accessible to persons with disabilities.

Pathways are becoming overgrown and trees fall across pathways and into the yards of adjacent private homes. Eroded pathways require resurfacing and/or soils stabilization to return to more safe conditions. Soils stabilization will make Norumbega and Charles River Pathway/Williams St. locations accessible to persons with disabilities. The improvements are necessary to return the conservation areas to a higher level of usability, accessibility and safety.

<b>OTHER CITY VEHICLE INVENTORY</b>			
<b>DEPARTMENTS</b>	<b>SEDANS</b>	<b>VANS, WAGONS, &amp; PICK UPS</b>	<b>TOTAL</b>
Assessing	4	0	4
Building	3	17	20
Executive	1	0	1
Health	3	0	3
Human Resources	0	0	0
Human Services	0	0	0
Inspectional Services	10	2	12
Library	2	1	3
Information Technology	0	0	0
Planning	1	0	1
Schools	3	3	6
Sealer of Weight & Measures	0	1	1
<b>TOTAL</b>	<b>27</b>	<b>24</b>	<b>51</b>
<b>MODEL YEARS</b>	<b>SEDANS</b>	<b>VANS, WAGONS, &amp; PICK UPS</b>	<b>TOTAL</b>
1986	0	0	0
1987	0	1	1
1988	0	1	1
1989	1	0	1
1990	0	1	1
1991	2	1	3
1992	2	0	2
1993	3	0	3
1994	0	4	4
1995	2	1	3
1996	6	2	8
1997	3	0	3
1998	2	0	2
1999	0	0	0
2000	2	5	7
2001	1	1	2
2002	2	0	2
2003	0	6	6
2004	0	1	1
2005	0	0	0
2006	1	0	1
<b>TOTAL</b>	<b>27</b>	<b>24</b>	<b>51</b>
Average Age in Years	9.8	8.3	9.1

<b>PC Inventory</b>			
<b>Department</b>	<b>Total PCs</b>	<b>PCs in City Hall</b>	<b>PCs Outside City Hall</b>
Accounting	9	9	0
Assessing	25	25	0
Board of Aldermen/City Clerk	12	12	0
Carr School-Arts in the Park	2	2	0
Consumer	1	1	0
Cousins Fund	1	1	0
Credit Union	1	1	0
Building	11	0	11
DPW City Hall	16	16	0
DPW Crafts St	17	0	17
DPW Elliot St	18	0	18
Elections	20	20	0
DPW Engineering	21	21	0
Executive	9	9	0
Fire	23	0	23
Health	18	0	18
Health Dept. Nurses	37	0	37
Brigham House	3	0	3
Human Services	4	4	0
Inspectional Services	22	22	0
IT Staff	14	14	0
IT Training	7	7	0
Jackson Homestead	12	0	12
Law	12	12	0
Library	97	0	97
NHRF	9	0	9
Parks & Rec	19	0	19
Personnel	9	9	0
Planning/CD	20	20	0
Police Annex	14	0	14
Police EOC	6	0	6
Police Headquarters	96	0	96
Print Shop	1	1	0
Purchasing	5	5	0
Retirement	3	3	0
Senior Center	15	0	15
Treasury	16	16	0
Veterans	2	2	0
<b>TOTAL</b>	<b>627</b>	<b>232</b>	<b>395</b>

PHOTOCOPIER INVENTORY AND REPLACEMENT SCHEDULE							
DEPARTMENT	MODEL NO.	YEAR	FY-08	FY-09	FY-10	FY-11	FY-12
<b>Assessing</b>	Canon 1150 Color	5/24/00					
	Canon 400E	5/24/00			10,650		
	Canon NP2020	7/29/01					
<b>Accounting/Comptroller</b>	Canon IR400	5/9/02					10,650
	Canon IR3300	7/24/02					
<b>Building</b>	Canon NP6085	12/15/98					
<b>City Clerk / BOA</b>	Sharp SF8100	Rental					
<b>City Hall</b>	Canon IR5000	3/7/02			12,890		
	Xerox7034	6/14/05					
<b>Comm. Devel.</b>	Canon iR2270	10/6/05					
- NHRF	Canon IR330	4/17/01					
<b>Elections</b>	Canon IR400	7/25/02					
<b>Engineering</b>	Canon NP6012	3/27/96		4,652			
<b>Executive</b>	Canon NP6230	6/26/98					
<b>Fire Emgy Center</b>	Xerox 5018						
<b>Chief's Office</b>	Cannon IR330	1/10/01				8,711	
Downstairs	Canon NP6025	3/27/96					
<b>Health</b>	Cannon IR330	4/17/01					
<b>Human Services</b>	Canon IR330	7/1/02			8,711		
- Senior Center	Canon IR280	7/24/02					
<b>Inspectional Services</b>	Cannon NP2015	6/18/05					
<b>Jackson Homestead</b>	Cannon NP6545	2/26/99	8,711				
	Cannon NP2020	12/21/92					
<b>Law</b>	Canon IR220	7/24/02					
<b>Library</b>	Canon IR400S	4/17/01					
Administration Dept	Canon NP6030	1/94					
Children's Room	Canon IR 220	7/24/02					
	Sharp SF8100	Rental					
	Sharp SF8100	Rental					
	Sharp SF8100	Rental					
<b>Parks &amp; Recreation</b>	Canon NP4050	1/94					
	Canon NP6551	6/98					
<b>Cultural Arts</b>	moved to Carr Schl - no copier						
<b>Personnel</b>	Canon NP6230	6/98	4,652				
<b>Police - Chief's Office</b>	Canon IR330	7/24/02					
- Patrol	Canon IR330	LEASE					
- Plan/Research	Canon NP6030	1/27/94					
- Library	Canon NP6025	6/27/94	4,652				
- Traffic	Canon NP6030	3/23/95	4,652				
- Special Svcs.	Canon IR330	7/24/02					
Prosecutors office	Canon NP2020						
- Detectives	Canon NP6025	3/23/95					
- Comm. Serv.	Canon NP6030	3/92					
<b>Public Works</b>							
- City Hall	Canon NP6230	6/28/98				10,650	
- Traffic	Canon NP2120	1/21/97					
- Elliot Highway	Canon NP6025	3/27/96		8,711			
- Store Keeper	Canon NP6012	10/29/97					
- Garage	Canon NP2120	1/27/94					
- Utilities Office	Canon NP6230	6/1/93					
- Utilities Yard	Canon NP6030	1/27/94					
- Upstairs file room	Canon IR3300	7/24/02					
<b>Purchasing - Office</b>	Canon IR6000	7/24/02				10,000	
<b>Treasury</b>	Canon IR330	4/17/01		12,890			
<b>Veterans</b>	Cannon NP6015	12/19/96					
<b>TOTAL ANNUAL REPLACEMENT COST</b>			<b>22,667</b>	<b>26,253</b>	<b>32,251</b>	<b>29,361</b>	<b>10,650</b>

<b>CONSERVATION LAND</b>			
<b>PARCEL NAME</b>	<b>ACRES</b>	<b>DESCRIPTION</b>	<b>ACQ. YEAR</b>
Norumbega Park Conservation Area	13.27	Riverfront, Wooded, Knolls, Open Field, Flood Plain Watershed Restriction	1976
Webster Conservation Area	103.8	Wooded, Ponds, Rock Outcrops, Flood Plain Watershed Restriction	1968
Cohen Conservation Area & Annex on Cohen Terrace & Elgin St. parcel	7.59 1.60 0.83	Wooded, Rock Outcrops Thompsonville Brook Flood Plain Watershed Restriction	1973 1974 1975
Houghton Garden Annex to Webster Conservation Area	0.71	Wooded, Flood Plain Watershed Restriction	1979
Martin Conservation Area	0.57	Wooded, Slope, Rock Ledges	1976
Frank Barney Conservation Area	1.67	Wooded, Slope Rock Ledges	1975
Baldpate Meadow Conservation Area	4.90	Wetlands Restriction Wetland, Wooded Flood Plain Watershed Restriction	1974
Kennard Conservation Area	32.28	Wetlands Restriction, Wetland, Wooded, Flood Plain Watershed Restriction, Rock Outcrops	1978
Hunnewell Woods	1.72	Steep Wooded Slope Pathway to Playground	1979
Dolan Pond Conservation Area & 26 Webster Park lot	8.13 0.76	Wetlands Restriction, Wetland, Wooded Three Ponds	1979
Saw Mill Brook Conservation Area (includes Kessler Woods)	31.85	Wooded, Brook, Rock Outcrops, Flood Plain Watershed Restriction	1979 1982 1985

<b>CONSERVATION LAND (continued)</b>			
<b>PARCEL NAME</b>	<b>ACRES</b>	<b>DESCRIPTION</b>	<b>ACQ. YEAR</b>
Oakdale Woods Conservation Area	2.47	Wooded, Rock Outcrops Stearns Brook, Flood Plain Watershed Restriction	1979
Charles River Pathway Conservation Area - Williams St.	1.57	Riverfront, Charles River River, Wooded, Flood Plain Watershed Restriction	1980
Helen Heyn Riverway - Nahanton St.	30.5		
Varick Hill Conservation Area	0.19	Wooded, Abuts Cochituate Aqueduct	1977
Flowed Meadow Conservation Area	27.04	Vacant, Woods, Field Wetlands Restriction Flood Plain Watershed Restriction	1983
Wilson Conservation Area	0.50	Wooded, Abuts Cochituate and Sudbury Aqueducts	1986
Goddard-Christina Conservation Area	4.35	Wetland, Wooded, Wetlands Restriction Flood Plain Watershed Restriction	1986
Auburndale Yard	1.44	Flood Storage Area Buffer Strips	1987
Hahn Brook Conservation Area	4.36	Vacant, Wooded, Wetland Hahn Brook, Flood Plain Watershed Restriction	1994
<b>TOTAL ACREAGE</b>	<b>282.1</b>		

## CONSERVATION LAND RESTRICTIONS

PARCEL NAME	ACRES	DESCRIPTION
Nahanton Woods Nahanton Street	20.58	Wetland, Country Club Brook Wetland Restriction
Charles River Pathway Saco St. Upper Falls	1.10	Riverfront, Pathway
Murley Farm/Gables Condo. Dedham St.	9.56	Wooded, Wetland, Pond
Parker Street 7 Parker Street	0.18	Lawn
Pomeroy House Church & Eldridge Streets	0.90	Estate, Lawn
Oak Hill, Ober Road	0.85	Wooded Hillside
Hampton Place 77 Florence Street	2.5	Hahn Brook, Wooded
Jewish Philanthropies Winchester Street	1.00	Wooded Kettle
Winchester Park Winchester Street	12.40	Wooded Wetland
Ledgebrook Nahanton Street	14.00	Open Field, Woods
Jewish Philanthropies Winchester Street	3.00 (est.)	Wooded Upland
360 Boylston St.	0.799	Woods & vernal pool
Hebrew College Herrick Road	1.72	Wooded Hillside
74 Longwood Road	0.25	Wooded hillside adjacent to Hammond Pond
509 Hammond St.	0.5	Wooded hillside adjacent to Hammond Pond
25 Moorfield Road	0.25	Wooded hillside adjacent to Hammond Pond
Lasell Pond		30 yr. Deed restriction
Haskell Street	2.39	Pond, woods, and field
Kessler Woods	1.79	Shrub swamp (in process)
Laura Estates Waban Ave./Irwin Rd.	1.5	Wooded Wetland and Upland
76 Webster Park	0.68	Woods & field (in process)
The Terraces	1.82	Wooded Hillside
180 Elgin St.	1.71	Wooded Wetland
<b>TOTAL ACREAGE</b>	<b>79.479</b>	