III. FY01 Capital Budget and Proposed Capital Spending

	FY01 CAPITAL PLAN CAPITAL PROJECTS LISTED BY SOURCE OF FUNDS							
RANK	DEPARTMENT	PROJECT	REQUEST	TOTAL				
	Free Cash							
1	Library	Books and other library materials	100,000	\$100,000				
	Parks & Recreation	Field Renovations	25,000	\$125,000				
	Public Buildings	Elliot Street Garage Environmental Compliance	59,949	\$184,949				
	Public Buildings	Emerson Community Center	36,750	\$221,699				
	Public Buildings/School	Burr School Environmental Compliance	52,500	\$274,199				
	Public Buildings/School	Cabot School	44,326	\$318,525				
	Public Buildings/School	Horace Mann School Fuel Tank Remediation	43,225	\$361,750				
2	Jackson Homestead	Burying Grounds Restoration	20,000	\$381,750				
2	Jackson Homestead	Exterior Signage Upgrade	5,000	\$386,750				
2	Parks & Recreation	Tree Planting	75,000	\$461,750				
2	Parks & Recreation	Tree Pruning	50,000	\$511,750				
2	Parks & Recreation	Turf Control	50,000	\$561,750				
2	School	School CIP	275,000	\$836,750				
2	Veterans	Veterans' Gravesites	50,000	\$886,750				
3	Information Technology	Computer Software	25,000	\$911,750				
3	Information Technology	Micro-Computers	50,000	\$961,750				
3	Library	Carpeting circular stairs and reference atrium	15,000	\$976,750				
3	Library	Reupholster chairs in the Main Library	14,500	\$991,250				
3	Parks & Recreation	Playground Safety Surfacing	20,000	\$1,011,250				
3	Public Buildings	Municipal UST Testing/Repair	16,537	\$1,027,787				
3	Public Buildings	Replacement of (3) Heavy Duty Vans	45,000	\$1,072,787				
3	Purchasing	Photocopiers	55,900	\$1,128,687				
4	Parks & Recreation	Court Repairs	60,000	\$1,188,687				
4	Public Buildings	Elliot Street Garage	20,250	\$1,208,937				
4	Public Buildings	Health Department Fuel Tank Removal	36,750	\$1,245,687				
4	Public Buildings	Purchase of Blueprint Machine	11,000	\$1,256,687				
4	Public Buildings	Waban Library Fuel Tank Removal	36,750	\$1,293,437				
4	Public Works	Maintenance and Installation of Curbs/Walks	100,000	\$1,393,437				
	Additional Lottery							
1	School	School CIP	\$175,000	\$175,000				
2	Fire	Refurbish Ladder 3 (1985)	100,000	\$275,000				
3	Public Buildings	Municipal Leak Detection System Repairs	33,075	\$308,075				
3	Public Works	Betterment Streets/Private Way Repairs	\$90,000	\$398,075				
4	Human Services	Furniture for Brigham Community House	8,000	\$406,075				
4	Purchasing	Annual Vehicle Replacement	90,000	\$496,075				
	General Fund Debt	<u> </u>						
1	School	Elementary Tier 1 - Williams (previously approved)	\$4,008,000	\$4,008,000				
	School	Elementary Tier 1 - Bowen (previously approved)	\$285,000	\$4,293,000				
<u>'</u>	School	High School Renovation Design (previous approved)	\$5,750,120	\$10,043,120				

Parks and Recreation	Sand Wheelchair at Crystal Lake	\$25,000	\$2
Public Buildings	Access Signage at all City Buildings	\$10,000	\$3
Public Buildings	City Hall Access Improvements	\$15,000	\$5
Public Buildings	City Polling Places Access Survey and Improvements	\$22,500	\$7
Public Works	Access Curb Cuts	\$100,000	\$17
Public Works	Charlesbank, Orchard, Nonantum Place Sidewalks & C	\$150,000	\$32
Public Works	Pearl/Thornton Improvements	\$20,000	\$34
Public Works	Tremont/Park Sts. Traffic Signal - Design and Engineeri	\$30,000	\$37
Water and Sewer 0	Grant/Loans		
Public Works	Sewer Inflow/Infiltration Reduction	\$8,000,000	\$8,00
Public Works	Water Main Replacement, Cleaning & Lining	\$2,611,057	\$10,61
	3	+ ,- ,	\$10,61
Other Funds			
Information Technology	GIS Enhancements {1}	\$25,000	\$2
Parks and Recreation	Edmands Park Improvements (2)	\$20,000	\$4
Parks and Recreation	Field Renovations (3)	\$25,000	\$7
Parks and Recreation	Playground Apparatus (4)	\$25,000	\$9
Police	Cruiser Replacement {5}	\$162,000	\$25
Police	Communication Equipment (5)	\$36,000	\$29
Public Buildings	Replace two vans {3}	\$30,000	\$32
Public Works	Centre St. Reconstruction {7}	\$1,900,000	\$2,22
Public Works	Installation of Betterment Curbs and Sidewalks (6)	\$153,000	\$2,37
Public Works	Road Repair, Reclamation, and Repaving (5)(7)	\$650,000	\$3,02
Public Works	Sidewalk Repair (5) (7)	\$566,000	\$3,59
Public Works	Vehicle Replacement {7}	\$410,000	\$4,00
Public Works - Water	Waban Hill Reservoir Repair {8}	\$1,000,000	\$5,00
{1} Reappropriation of fur	nds .		
{2} Friends of Cabot Wo	ods donation and Boston College matching donation		
(3) Commonwealth Golf	Course		
(4) Marathon Receipts			
(5) Operating Budget			
(6) Betterment Revolving	Fund account		
{7} Ch. 90 - Transportation			

FY01 CAPITAL PLAN CAPITAL PROJECTS LISTED BY DEPARTMENT							
DEPARTMENT	FREE CASH	OTHER	DEBT	CDBG			
Fire	TREE OAGIT	OTTLET	<u> </u>	0550			
Refurbish Ladder 3	\$100,000						
Fire Subtotal	\$100,000	\$0	\$0	\$0			
Human Services	¥ 100,000	•	**	**			
Brigham House Furniture	\$8,000						
Human Services Subtotal	\$8,000	\$0	\$0	\$0			
Information Technology	¥ 3,333	•	**	**			
Computer Software	\$25,000						
GIS Enhancements	, -,	\$25,000 (Tr	ansfer of existing funds)				
Micro-computers	\$50,000	4 _0,000 (
Information Technology Subtotal	\$75,000	\$25,000	\$0	\$0			
Jackson Homestead	Ų. O,000	1 20,000	4 ~	4 5			
Burial Ground Restoration	\$20,000						
Exterior Sign Upgrade	\$5,000						
Jackson Homestead Subtotal	\$25,000	\$0	\$0	\$0			
Library	Ψ20,000	Ψ	Ψ	Ψ			
Books	\$100,000						
Carpeting circular stair and atrium	\$15,000						
Reupholstering chairs	\$14,500						
Library Subtotal	\$129,500	\$0	\$0	\$0			
Parks & Recreation	Ψ120,000	Ψ	Ψ	Ψ			
Court Repairs	\$60,000						
Edmands Park Improvements	ψου,σσσ	\$20,000 (Fr	iends of Cabot Woods & B	oston College Gifts)			
Field Renovations	\$25,000		ommonwealth Golf Course)				
Playground Apparatus	Ψ20,000		arathon Receipts)				
Playground Safety Resurfacing	\$20,000	φ20,000 (ινι	arathor recoupto)				
Sand Wheelchair at Crystal Lake	Ψ20,000			\$25,000			
Tree Pruning and Planting	\$125,000			Ψ20,000			
Turf Control	\$50,000						
Parks and Recreation Subtotal	\$280,000	\$70,000	\$0	\$25,000			
Police	\$200,000	ψ. 0,000	40	4 20,000			
Communications Equipment		\$36,000 (0)	perating Budget)				
Cruiser Replacement			perating Budget)				
Police Subtotal	\$0	\$198,000	\$0	\$0			
Public Buildings	**	¥100,000	**	**			
Access Signage at all Public Buildings				\$10,000			
Blueprint Machine	\$11,000			, ,,,,,,			
Burr School Environmental Compliance	\$52,500						
Cabot School Environmental Compliance	\$44,326						
City Hall Access Improvements	, ,			\$15,000			
City Polling Places - Access Survey and Improvements				\$22,500			
Elliot St. Garage Door Repair	\$20,250			, , , , , , , , , ,			
Elliot St. Garage Environmental Compliance	\$59,949						
Emerson Community Center Environ. Compliance	\$36,750						
Fuel Tank Leak Detection System Repairs	\$33,075						
Fuel Tank Testing and Repair	\$16,537						
Health Dept. Fuel Tank Removal	\$36,750						
Horace Mann School Environmental Compliance	\$43,225						
Replace Five Vans	\$45,000	\$30.000 (Tr	ansfer of existing funds)				
Waban Library Fuel Tank Removal	\$36,750	455,000 (11					
Public Buildings Subtotal	\$436,112	\$30,000	\$0	\$47,500			

DEPARTMENT	FREE CASH	OTHER	DEBT	CDBG
Public Works				
Access Curb Cuts				\$100,000
Centre St. Reconstruction		\$1,900,000	(Chapter 90 - State I	Funds)
Charlesbank, Orchard, Nonantum Place Sid	dewalks &			\$150,000
Curbs				
Installation of Betterment Curbs and		\$153,000	(Betterments	
Sidewalks		,	Account	
Maintenance of Curbs and Sidewalks	\$100,000	\$566,000		
Pearl/Thornton Improvements	. ,	. ,		\$20,00
Purchase of Trucks and Equipment		\$410.000	(Operating Budget)	+ -,
Road Repair, Reclamation, and		\$650.000	(Operating Budget &	Ch. 90)
Repaying		¥ • • • • • • • • • • • • • • • • • • •		
Street Betterments	\$90,000			
Tremont/Park Sts. Traffic Signal - Design a				\$30,00
Engineering				400,00
Public Works Subtotal	\$190,000	\$3,679,000	\$0	\$300,00
Water and Sewer	. ,	. , ,		. ,
Underdrain Separation Phase II			\$8,000,000	(previously approved)
Waban Reservoir Repair		\$1,000,000	(Water Operating Bu	ıdget)
Water Main Replacement Cleaning and			\$2,611,057	
Lining				approved)
Water and Sewer Subtotal	\$0	\$1,000,000	\$10,611,057	\$
Purchasing				
Photocopier Replacement	\$55,900			
Vehicle Replacement	\$90,000			
Purchasing Subtotal	\$145,900	\$0	\$0	\$(
School				
School CIP I	\$275,000			
School CIP II		\$175,000	(Additional Lottery)	
Tier One - Williams School (previously			\$4,008,000	(previously
approved)				approved)
Tier One - Bowen School (previously			\$285,000	(previously
approved)				approved)
High School Renovation Design			\$5,750,120	(previously
(previously approved)				approved)
School Subtotal	\$275,000	\$175,000	\$10,043,120	\$(
Veterans				
Purchase Veteran's Gravesites at	\$50,000			
Newton Cemetery				
Veterans Subtotal	\$50,000	\$0	\$0	\$
Totals	\$1,714,512	\$5,177,000	\$20,654,177	\$372,50
GRAND TOTAL	\$27,918,189			

TAX-SUPPORTED FUTURE DEBT										
Projected year when permanent debt will be <i>issued</i> . See CIP for proposed <i>authorization</i> year.										
TAX-SUPPORTED DEBT	FY01	FY02	FY03	FY04	FY05	FY06				
PUBLIC WORKS:										
Elliot Street Vehicle Storage Facility						750,000				
SUBTOTAL PUBLIC WORKS	0	0	0	0	0	750,000				
PUBLIC EDUCATION:										
Tier One Elementary Projects	4,293,000	4,910,000								
NNHS Project	1,980,083	771,750	960,829	440,621	14,228,642	14,993,535				
NSHS Project	3,770,037	20,464,398	21,070,045	7,879,854	2,683,706					
SUBTOTAL EDUCATION	10,043,120	26,146,148	22,030,874	8,320,475	16,912,348	14,993,535				
TOTAL TAX-SUPPORTED	10,043,120	26,146,148	22,030,874	8,320,475	16,912,348	15,743,535				
OPENING TAX-SUPPORTED DEBT	28 429 243	34 015 416	54 291 180	68,343,912	67,081,933	73,813,674				
Debt Issued			22,030,874		16,912,348	15,743,535				
Debt Retired - FY00 and prior year					3,526,546	3,202,834				
Debt Retired - FY01 - FY06		1,004,312			6,654,062	8,345,296				
					73,813,674	78,009,079				
	CLOSING TAX-SUPPORTED DEBT 34,015,416 54,291,180 68,343,912 67,081,933 73,813,674 78,009,079 WATER/SEWER SUPPORTED DEBT									
Projected year when permaner						ion vear				
l rojoctod year whomponnanon	it dobt wiii	50 100404	. 000 011	тог ргорооо	a adii 10112at	ion your.				
WATER/SEWER DEBT	FY01	FY02	FY03	FY04	FY05	FY06				
Elliot Street Vehicle Storage Facility						750,000				
Water Meter Replacement			5,400,000			·				
MWPAT Sewer I&I	8,000,000	2,000,000								
Sewer I&I MWRA Grant/Loan Prograr	n	500,000		500,000	500,000					
MWRA Water Main Rehabilitation	2,611,057	2,611,057	2,611,057	2,611,057	2,611,057					
TOTAL WATER/SEWER	10,611,057	5,111,057	9,311,057	3,111,057	3,111,057	750,000				
OPENING WATER/SEWER DEBT	6.734.923	16.052.849	19,581,259	27.042.885	27,630,494	27,980,019				
Debt Issued	10,611,057			3,111,057	3,111,057	750,000				
Debt Retired - FY00 and prior year		921,541	772,219	550,131	472,109	315,513				
Debt Retired - FY01 - FY06	NA	,	1,077,211	1,973,317	2,289,423	2,605,529				
CLOSING WATER/SEWER DEBT	16,052,849		27,042,885		27,980,019	25,808,977				

FY01 Capital Projects Descriptions – All Sources (Free Cash, unless otherwise noted)

Fire Department

Refurbish Fire Engine

The Department will refurbish Ladder 3, a 1985 Emergency One 110 foot aerial ladder. The refurbishment will include enclosing the rear section of cab, where firefighters ride. Ladder 3 is the last of the first line trucks still to have open seating. The refurbishment will include repair of body rust and damage, upgrade electrical switches and outriggers, evaluate aerial and certify, recore or replace radiator, reupholster seats, replace rear windows of cab, repaint vehicle, check springs and shocks, upgrade warning lights, and check the entire hydraulic system. Repairs to the ladder will add another ten years of useful life to this piece of equipment.

Communications Equipment

Purchase mobile and portable radio units. (Operating Budget)

Fire Alarm

Purchase, repair, and upgrade fire alarm, fire call boxes, and boxes receiving and transmitting equipment to decode and transmit emergency signals from the street, city, and private buildings. (Operating Budget)

Public Safety Equipment

Purchase hoses, masks, axes, and other equipment. (Operating Budget)

Human Services Department

Furniture for Brigham House

Furniture is needed for a large group therapy and a smaller individual therapy room. Furniture must adhere to Cal. 133 Fire Code. The furnished rooms will be used for counseling sessions with Newton adolescents.

Information Technology Department

Geographic Information System

These monies are for map enhancements to keep our GIS date current and to add data layers as needed. (Reappropriation of funds previously appropriated for GIS.)

Micro-Computer Replacement

In order to keep abreast of changes in personal computer technology, the Information Technology Department replaces approximately 25% of the core computer equipment each year. In FY01, the Department will also add high speed line printers in the Comptroller's Office Treasury Department, and Utility Billing Office.

Software

These monies are to ensure that the City has software licenses for every program installed on every personal computer in the City. Additional licenses for FrontPage and Pagemaker for new users who need the tools for desktop and web page publishing.

Wide Area Network

Contracted maintenance of the fiber optic electronics. (Operating Budget)

Jackson Homestead

Exterior Signage

Replace existing signs on Washington Street, at the main entrance and at the driveway and gates. The new signs will include welcoming language, information about parking, and information about accessibility for disabled persons.

Historic Burial Ground Restoration

Restore City's three burying grounds according to long-range plans and in cooperation with the Parks and Recreation Department.

Library

Purchase Books

The Newton Free Library will enhance its collection, particularly in the following areas: home improvement and renovation, health and nutrition, and computer software, and the children's collection in social studies and science. The Library will also expand its on-line business sources, and its adult and children's collections of Books on Tape and DVDs.

Reupholstering Chairs

Reupholster 26 club chairs in the Main Library that have become worn through extensive public use.

Carpeting Circular Stairs and Atrium

The carpeting on the circular stairs in the Main Library has been severely worn. The carpeting in the Reference atrium is in danger of tearing.

Parks and Recreation Department

Court Repairs

Repairs to courts at Wellington Park.

Edmands Park Improvements

Through gifts from Boston College and from the Friends of Cabot Woods, the Department will work with neighbors and park users to develop an improvement plan for the park.

Field Renovations

Renovations to fields by regrading, leveling, loaming, seeding, or sodding and irrigating. Funds for this project are supplemented with money from the Newton Commonwealth Golf Course and a matching donation of contracted services from Newton Youth Soccer.

Playground Apparatus

New playground apparatus for Burr Park and Weeks Park playgrounds. City funds may be supplemented by donations from neighborhood groups.

Playground Resurfacing

Playground surfaces will be covered with new Fibar, a material that provides a safe surface on which children can play.

Tree Maintenance

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

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. In FY00 the following fields will undergo turf control: Albemarle, Burr Park, Brown School, Cabot School, Cold Springs Park, City Hall, Franklin School, Forte Park, Lower Falls Park, Main Library, Lincoln Warren, 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)

Planning Department

CDBG Projects

- □ Access curbcuts Public Works.
- □ Access Signage at all City buildings Public Buildings.
- □ City Hall access improvements Public Buildings.
- □ City polling places survey and access improvements Public Buildings
- □ Sand wheelchair at Crystal Lake Parks and Recreation.
- □ Sidewalks and curbs at Charlesbank, Orchard, Nonantum Place Public Works.
- □ Tremont/Park Streets traffic signal design and engineering Public Works.
- □ Pear/ & Thornton Street improvements Public Works.

Police Department

Vehicle Replacement

Replace six cruisers. The City replaces front line cruisers after approximately two years or 100,000 miles, whichever comes sooner. (Operating Budget)

Radio Communications

- Replace a radio repeater for communications over new FCC narrow bands.
- 10 replacement cruiser radios and one radio repeater. (Operating Budget)

Public Buildings Department

Blue Print Machine

A new blue print machine will replace an old ammonia based machine.

Exterior Doors

The department will replace the exterior doors at the Elliot Street DPW Operations Center.

Replace Vehicles

The Department will replace five heavy duty vans, used by the maintenance staff to transport tools and materials, and one sedan, used by other personnel.

Oil and Gas Tank Replacement and Cleanup

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.

Burr School	Horace Mann School
Cabot School	Upper Falls Community Center
EIII . C C	337 1 T 1

□ Elliot Street Garage □ Waban Library

□ Health Department

<u>Underground Storage Tank Monitoring System Repair</u>

Each underground storage tank containing gasoline or oil has a monitoring system to detect leaks and the intrusion of water. These systems need to be repaired and maintained.

Underground Storage Tank Testing

Underground storage tanks and associated feeder pipes, valves, and other equipment require periodic testing, including pressure testing and other tests. This program will test 21 tanks in FY01.

Public Works Department

Architectural Access Curb Cuts

Installation of curb cuts throughout the City to provide wheelchair access. (CDBG funded)

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, and Operating Budget funds.)

Street Betterment Repairs

Repair and resurfacing of Charlesbank Terrace and St. James Place. These private ways will remain private, but the City will repair the streets and drainage systems.

Street Reconstruction

	The Ci	ty will	reconstruct,	reclamate,	or rer	oave the	following	streets
--	--------	---------	--------------	------------	--------	----------	-----------	---------

□ Centre St. (Alderwood Rd. to Vernon St.)
 □ Orchard St.
 □ Charlesbank Road
 □ Washington St.

□ Jackson St.

□ Nonantum Pl.

Vehicles and Equipment

The Department replaces vehicles and equipment from its operating budget.

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 has a direct effect on controlling Newton's MWRA sewer assessment. MWRA grants/loans will fund these major projects.

Waban Reservoir Repair

Repair leaks in the water reservoir on Waban Hill.

Water Main Rehabilitation

In July 1991, SEA Consultants Inc. completed a hydraulic analysis of Newton's entire water distribution system. The estimated cost of needed projects identified exceeded \$60,000,000. In order to address the most critical problems, for the past five years, the City spent in excess of \$1 million in the operating budget and will continue to do so during all the years of this document. The expenditures will include: cleaning/lining, looping dead ends, replacing undersized mains and other improvements. (Operating Budget and MWRA Grant/Loan program)

Purchasing Department

Office Furnishings

The Purchasing Department has an annual \$2,000 appropriation to pay for the purchase of large office furniture for other departments. (Operating Budget) In FY01, the Department also created a new \$3,000 revolving fund with the proceeds of the sale of surplus equipment to be used to buy office equipment.

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 the vehicle purchases for all the smaller departments including: Assessing, Engineering, Health, Human Resources, Human Services, Information Technology, Inspectional Services, the Library, and Planning. 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.