

Capital Planning

INTRODUCTION

Boston's five-year \$1.9 billion capital plan, "Building a Better Boston," is an investment program for the City's future. The underlying framework for the plan emphasizes (1) the strategic use of infrastructure to promote economic development, neighborhood vitality, quality education, health care, and public safety; (2) comprehensive planning to lay the foundation for future growth; and (3) effective government management to deliver necessary municipal services efficiently.

The Office of Budget Management (OBM) is responsible for managing the City's capital plan and budget. OBM coordinates the evaluation of capital requests, forecasts the timing and financial requirements of new construction and rehabilitation, and recommends the allocation of current and future resources by monitoring capital expenditures.

FY15-FY19 Capital Plan Overview

The capital plan is a long-range and flexible planning tool that allows the City to identify long-term goals and projects within a flexible financial framework that can be adjusted as fiscal and other conditions change. The FY15-19 capital plan includes not only several large transformative projects but also large-scale planning efforts that will help frame and give context to future capital investments. The City estimates capital expenditures in FY15 will total \$210 million from all sources.

FY15 EXPENDITURE ALLOCATION

All projects in the capital plan are categorized as Upkeep, New/Major Renovation, Upgrade, Planning or Matching Funds. OBM tracks the overall distribution of these categories to maintain a balance between the upkeep of existing assets and the expansion or introduction of new ones.

Upkeep: Upkeep represents projects that maintain the City's assets, a fundamental priority of the Capital

Plan. In FY15, 32% of projected spending supports Upkeep projects. These include roof and masonry repairs, the replacement of play equipment in parks, HVAC and boiler replacement, and critical repair funds for departments to address relatively small but vital repair projects not covered by routine maintenance. A substantial portion of the Upkeep category supports on-going bridge, street, sidewalk, and street lighting repairs that ensure the City's roads and sidewalks are safe and in good condition.

Upgrade: Upgrade represents projects that improve existing assets by adding new capacity or innovations. This year's upgrade allocations account for 23% of projected spending, and includes replacing 8,000 street lights with new energy efficient LED street lights.

New/Major Renovation: 42% of the FY15 allocations represent major renovations and new buildings. New facilities and rehabilitation projects for schools, libraries, parks and community centers enable the City's facilities to adapt to fit the needs of today's programs, improve the 'green' performance of facilities, and extend the useful life of older assets. This category also includes implementation of new technology systems.

Planning or Matching Funds: About 3% of the FY15 budget is assigned to matching fund requirements and to planning projects. Comprehensive planning projects, which analyze a group of buildings or program needs, provide the groundwork for targeted investments in the categories of Upgrade and New/Major Renovations. Matching funds for MassDOT and the Massachusetts Bay Transportation Authority (MBTA) projects unlock state and federal funds for local investment.

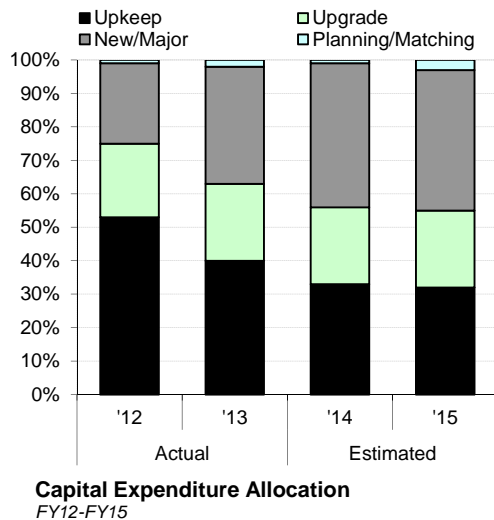


Figure 1

The distribution of allocations this year— 32% for Upkeep, 23% for Upgrades, 42% for New/Major Renovations, 3% for planning and matching roadwork—continues a trend toward projects in the Upgrade and New/Major Renovation categories (See Figure 1). This trend will continue over the next couple of years as significant upgrades to school facilities including the Eliot, Fenway High, and the Dearborn 6-12 STEM School begin construction, and as other major facilities, including the Johnson Building of the Central Library, are renovated.

CAPITAL PLANNING PROCESS

Capital needs and resource availability are assessed annually through a capital planning process that results in a five-year capital plan. The first year of the spending plan constitutes the City's capital budget. Expenditures against this budget are closely monitored throughout the year. To emphasize the balance between needs and resource availability, the budget document (in Volumes II and III) includes both capital authorizations and expenditure projections for each project.

The annual capital planning process begins with a capital improvement project request schedule where all departments have an opportunity to identify their facility, equipment, infrastructure, and planning needs in a systematic manner and to submit their proposals to OBM for funding consideration. The development of department project requests may involve both internal assessments of current needs and a review of external constituent requests.

All capital improvement projects requesting funding consideration must meet at least one of the following minimum criteria:

- Complies with Americans with Disabilities Act;
- Improves health and safety;
- Supports economic development;
- Enhances general government effectiveness;
- Mitigates an environmental hazard;
- Responds to a legal, legislative or administrative mandate; or
- Preserves existing municipal facilities.

A project request includes a cost estimate, a description of the proposed scope of work and a useful life statement.

Proposed projects must account for short-term and long-term effects on the City's operating budget. Accordingly, project requests that OBM determines may impact the City's operating budget are subject to additional review to determine the anticipated effect on personnel, utilities, maintenance, and supply costs as well as expected changes in service demand or delivery of departmental programs. As a practical matter, it is assumed that certain types of projects such as energy conservation and energy efficiency projects (e.g. heating system upgrades or roof and window replacements) provide operating budget savings. OBM works with departments to measure these savings.

OBM reviews project proposals to determine the extent to which private purposes or benefits may exist; this review allows the City of Boston to maintain its tax-exempt financing status.

New capital requests that are recommended for funding are placed into a multi-year spending plan along with previously authorized projects. The Mayor submits the capital plan to the City Council each year. The City Council in turn, holds public hearings to consider project authorizations. This year's capital plan identifies 323 new and continuing projects and proposes \$286.8 million in new project authorizations.

Descriptions of all 323 projects can be found in Volumes II and III of the Budget. Project descriptions include authorizations and funding sources, projected expenditures, scope of work summary, and an

indication of whether or not the project generates a near-term operating budget impact. In addition, a project list follows the Capital Project Financing table at the end of this chapter.

FINANCING THE FY15-FY19 CAPITAL PLAN

The capital plan is financed with general obligation bonds, state and federal funds, trust funds, and other funds.

General Obligation (G.O.) Bonds

General obligation bonds represent 69.4% of all project funding. This year's plan assumes \$700 million in new general obligation borrowings over the next five years to support ongoing capital needs.

State and Federal Funds

State and federal financing programs, such as the School Building Assistance program, Chapter 90 and the Transportation Improvement Program, provide key resources for Boston's capital plan. Funds for capital financing are currently estimated at \$250 million from state programs and \$219 million from federal programs.

School Building Assistance Program

The School Building Assistance (SBA) program, administered by the Massachusetts School Building Authority (MSBA), is an important revenue source for school renovation and construction. Annually, the MSBA accepts new project requests from cities, towns, and school districts, and if a project is ultimately approved, the MSBA will pay 40% to 80% of eligible project costs.

The MSBA Board recently authorized its Executive Director to enter into a Project Scope and Budget Agreement and a Project Funding Agreement with the City to build a new school on the site of the existing Dearborn School in Roxbury. The new school will have a STEM-focused curriculum (Science, Technology, Engineering, and Math), and will serve grades 6 to 12. The MSBA will provide a maximum project grant totaling \$37.4 million or 50.8% of total projects costs.

The City is also working with the MSBA on a project that would co-locate the Josiah Quincy Upper School and an expanded Boston Arts Academy. The project is currently in the schematic design phase.

For the period FY15-19, total payments from the MSBA are estimated at \$34.1 million to offset debt service costs for projects previously approved by the MSBA.

Chapter 90 Funds

Administered by the Massachusetts Highway Department, Chapter 90 funds are allocated by formula through state bond authorizations and through the state budget to all cities and towns in the Commonwealth. The City uses Chapter 90 allocations to fund road resurfacing and reconstruction projects as well as sidewalk reconstruction projects. The City expects an allocation of approximately \$14 million in FY15.

Transportation Improvement Program (TIP)

The Transportation Improvement Program is a statewide road and bridge construction advertisement program developed under the management of the Massachusetts Department of Transportation (MassDOT). It includes both local and state owned roads and bridges. The TIP's funding sources include state-issued general obligation bonds and federal funds made available through the Safe, Accountable, Flexible, Efficient, Transportation Equity Act: A Legacy for Users (SAFETEA-LU).

Trust Funds

The City's Treasury Department manages trust funds and bequests from private citizens dedicated to Boston's public spaces. Grants from the Edward Ingersoll Browne Trust Fund are used for the enhancement of neighborhood parks, schoolyards, and public spaces. The George Robert White Fund supports facilities owned by the Fund.

Other Funds

The City uses funds from the Street Opening Account to finance the permanent repair of utility cuts and pavement restoration. Other funds also include rebates provided by utilities as an incentive to carry out energy efficiency and funds from the City's Surplus Property Fund. Altogether, these sources of capital funds are estimated at \$111 million.

Highlights of the FY15 – 19

Capital Plan

Planning

Schools Facilities Master Plan
City Hall / 26 Court Street Programming Study
Boston Mobility Vision and Action Plan

Schools

Dearborn 6-12 STEM / Early College Academy
Eliot School expansion
Fenway High School

Public Safety

Emergency Operations Center
New Fire Boat
Three New Ladder Trucks

Community Spaces

Johnson Building Renovation
Jamaica Plain Branch Library Renovation
Paris Street Community Center Renovation
West Roxbury Education Complex fields

Parks

LoPresti Park Renovation
Hunt/Almont Park Renovation
Repairs to Playing Fields and Courts

Economic Development

Bringing WiFi to Main Streets
Streetscape Improvements in Main Streets
Harrison Avenue

Innovation and Technology

Fiber Network Expansion
Human Resources System Upgrade

Streets

Connect Historic Boston
Long Island Bridge Replacement
Seaver Street

FISCAL YEAR 2014 EXPENDITURES

Total capital expenditures in FY14 are forecast at \$178 million. This estimate includes \$158 million for general obligation (G.O.) bond spending and \$20 million from various grants and other funding sources.

Schools: Design is underway at the former North Bennet Street School site in the North End, which will house an expansion of the Eliot K-8 School. Construction is expected to start in the first half of FY15. Construction will start this spring at the new location for Fenway High School. The project will be complete in about a year; the renovated building will be ready for students by September 2015.

In addition, the School Department continued work on facility repairs and upgrades throughout the City. Some of the major projects include the continuation of a project at Charlestown High School to replace the HVAC system, upgrade bathrooms, and provide other interior repairs; access improvements at the Beethoven School; and masonry, roof, plumbing, and other interior and exterior repairs, at over a dozen schools.

Community Spaces: A new library opened last fall in East Boston. The Library Department began construction in 2014 on the first phase of its transformation of the Johnson Building at the Central Library. The new rooms for children and teens will open this winter. And with work concluding last summer on “bringing the outside in” at the Flaherty Pool, a similar project will finish this summer at the Draper Pool in West Roxbury, opening that pool deck up to an adjacent patio.

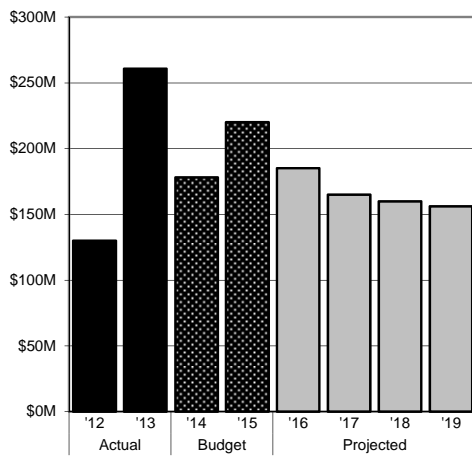
Parks: A new park focusing on accessibility to people of different abilities and all ages opened last summer in the Charlestown Navy Yard. This popular park is right next to the new Spaulding Rehab Hospital.

A full renovation of American Legion Playground will wrap up this summer, as will installation of replacement turf on the football field at East Boston Stadium. New play lots are opening at Billings Field Playground in West Roxbury, Gibbons Playground in Jamaica Plain, and Sweeney Playground in South Boston. Playing courts were renovated at Ringer and Hobart parks in Brighton, Polcari Playground in the North End, and Amatucci Playground in Hyde Park. Field renovations will finish this summer at Mission Hill Playground, Healy Field in Roslindale, and Rice Field in Roxbury.

New schoolyards opened at the Umana School in East Boston, the Mission K-8 in Jamaica Plain, and the Higginson-Lewis School in Roxbury, the final projects of the Boston Schoolyard Initiative, a partnership between the City and the Schoolyard Funders Collaborative to build schoolyards and outdoor classrooms across the City.

Economic Development: In Dudley Square, work continued throughout FY14 on the new, \$119 million headquarters for the School Department at the site of the old Ferdinand Building, including the commission of three separate pieces of art for the site. By the end of FY14, the Dudley branch library will have a new entryway, and the old B-2 police station next to it will have been demolished.

Innovation and Technology: Two new on-street technologies were piloted in the Innovation District in FY14: street sensors that show drivers where parking is available, and help the Transportation Department measure parking occupancy rates; and variable message boards, which have been used to help alleviate rush hour traffic by directing people to highways using alternate routes.



Capital Expenditures
FY12- FY19

Figure 2

FY14 also saw the introduction of participatory budgeting to the City of Boston. Young people throughout the City are being led through a six-month-long process of learning about city government and budgeting; identifying projects in their communities; and vetting those projects and weighing them against one another, to make a recommendation for how to spend \$1 million in capital funds in FY15.

A new, Computer Aided Dispatch system will go live at the end of FY14. This project will integrate data across various public safety units, allowing first responders to respond more quickly, and to have better information when they arrive.

Streets: The Public Works Department repaved 53 miles of roads through the roadway resurfacing program and the roadway utility restoration program; 2.7 miles of roadway were reconstructed; 1,550 pedestrian ramps were brought into compliance with ADA/AAB regulations; 448,000 square feet of sidewalks were repaired; 8,000 street lights were converted to efficient LEDs; and over 15 miles of new bike lanes were installed.

FISCAL YEAR 2015 EXPENDITURES

Spending in FY15 will include several large, signature building projects throughout the City and across departments, as well as several planning efforts that will enable the City to spend wisely on facility maintenance well into the future.

Planning: The City will begin a school facilities master planning effort this year, to provide a comprehensive look at the current state of its facilities, and to project future needs. Property and Construction Management will begin a programming study for several key downtown office buildings, including City Hall and 26 Court Street (which the School Department will leave when it moves to its new headquarters in Dudley Square this winter). A facilities assessment of libraries citywide continues this year with a look at mechanical and other building system needs in branches throughout the City. With support from the Barr Foundation, the Transportation Department will begin a two-year process to create a Boston Mobility Vision and Action Plan – a comprehensive plan to better move people and goods throughout the City. And a siting study will begin for an EMS facility in the Seaport area, to support the emergency response needs of that area’s growing population.

Schools: Design will be completed for the new Dearborn 6-12 STEM / Early College Academy in Roxbury. Construction is planned to begin in the second half of FY15. Construction will also begin on a new facility for the Eliot School at North Bennet Street in the North End.

The School Department will focus not only on creating excellent new facilities, but also on expanding existing programs that are in high demand. By the start of school in the fall, the former Alighieri school building

in East Boston will be renovated and reopened to provide a popular Montessori program with its own space; modular classrooms at the Haley School will be in place to support that school's increased capacity; and renovations at the former Taft School building including new science labs will support two school programs – Another Course to College and Boston Green Academy.

Other planned improvements include three new science labs and a new PA system at Boston Latin Academy; new roofs will be installed at seven schools; HVAC and electrical improvements are scheduled at an additional seven schools.

A program to upgrade school-based computer networks including wireless connections is ongoing with the goal of providing reliable wireless service in every BPS school.

Public Safety: Design work will begin this year on a new Emergency Operations Center that is flexible, sustainable, secure, and fully interoperable. Exterior repairs, including roofs and masonry, will conclude at four fire stations and the training academy, and will begin at another six fire stations. The Fire Department will purchase three new ladder trucks and one small fire boat.

Community Spaces: Phase 2 of the transformation of the Johnson building of the Boston Public Library in Copley Square will begin this year. The project will open up the lobby to Boylston Street, renovate the Rabb lecture hall in the basement, and provide more inviting spaces for users. Renovations at the Jamaica Plain Branch, including the construction of a small addition, will go into construction late this fiscal year. Design for a renovation of the Paris Street Community Center is underway; the project will be out to bid late in the first half of FY15, with construction starting in the winter; the Vine Street Community Center will begin design of an interior renovation this year, as well.

Parks: Major renovations are underway at LoPresti Park in East Boston, and are about to go into their third phase at Hunt/Almont Park in Mattapan. Other park projects that will be in construction in FY15 include Eliot Norton Park in Bay Village, Iacono Playground in Hyde Park, Paris Street Playground in East Boston, Hemenway Playground in Dorchester, and Horatio Harris Park in Roxbury.

New play lots in construction in FY15 include Caldwell Street Playground in Dorchester, Edgerly Road

Playground in the Fenway neighborhood, Erie Ellington Playground in Roxbury, Little Scobie Playground in Roxbury, and Paris Street Playground in East Boston. Field renovations will begin at Clifford Playground in Roxbury, and Doherty-Gibson Field in Dorchester.

Economic Development: Two projects will focus capital resource on Main Streets this year. As part of the expansion of the City's fiber cable network, a pilot program will begin to bring free WiFi coverage to several Main Streets districts. A new program in Public Works will focus on streetscape improvements in 3 to 4 districts per year. The BRA will begin engineering and design work on marine infrastructure improvements in the Charlestown Navy Yard and in the Boston Marine Industrial Park.

Innovation and Technology: The Department of Innovation and Technology is beginning two new major projects this year. One is an upgrade of the City's human resources software, to stay current and improve business processes. The other is an expansion of the City's fiber cable network which, when complete, will bring high-speed, low-cost internet into every BPS school, and support other City operations. The implementation of a permitting and licensing platform will be completed this year, with expansion to the Parks Department, City Clerk, and BRA.

Building off the Streetscape Innovation Fund that has piloted new approaches for everything from parking sensors to lighting up the Old Northern Avenue Bridge, the Mayor's Office of New Urban Mechanics will manage an expanded Innovation Fund to include projects that improve constituents' online experience and make government more accessible.

Streets: Connect Historic Boston is an ambitious roadway reconstruction program to reconstruct seven city streets as shared or complete streets, meaning that they are designed to be used for driving, bicycling, walking or public transportation. Boston received a \$15.5 million grant through the federal TIGER program; the local match, totaling \$10 million, is funded through a combination of City funds and Chapter 90. The project goes into construction this year.

The roadway resurfacing program this year will focus on major arterials such as Washington Street in West Roxbury, and Dorchester Avenue in South Boston. In all, Public Works plans on resurfacing 20 miles of roadway, reconstructing 4.5 miles, bringing 1,600

pedestrian ramps into compliance with accessibility standards, repair 400,000 square feet of sidewalk, converting 8,000 street lights to energy-efficient LEDs, and installing more than 15 new miles of bike facilities.

Public Works will also begin design on a new bridge to Long Island. Repairs to the existing Long Island Bridge will continue; long-term, a new bridge will reduce the City's capital and maintenance costs and will also reduce the Public Health Commission's cost of operating programs and facilities on Long Island.

FY16-FY19 Planned Expenditures

Planned G.O. expenditures in FY16 are forecasted at \$160 million. Between FY17 and FY19, G.O. expenditures are forecasted at \$140 million annually. Future grant expenditures are estimated at \$30 million in FY16, \$25 million annually in FY17 and FY18 and \$20 million in FY19. Figure 2 displays total capital spending from all sources since FY12 and projected expenditures through FY19.

The City continues to pursue grant funds, to maximize the use of Chapter 90 monies for road and sidewalk projects, and to manage its project priorities to ensure that spending remains aligned with planned borrowing levels. Together, these strategies will enable the City to maintain a reasonable level of capital spending and outstanding debt.

OPERATING BUDGET IMPACTS

Determining the impact that proposed capital investments will have on the City's operating budget (personnel, contracted services, equipment and utilities) is essential to the capital budgeting process. Many capital projects, such as those that replace mechanical equipment with modern, more efficient versions, save the City money in future operating costs; others, such as those that allow the City to expand programming or establish a stronger presence in different neighborhoods, may entail future operating costs. Understanding the balance between future savings and future costs resulting from these capital projects is vital to maintaining the City's long-term financial health.

Figure 3 shows a list of those capital projects in the FY15-19 plan that are expected to have a near-term impact on the City's operating budget, and what that impact is expected to be. This table reflects our best, current knowledge; some projects are expected to have operating impacts, but we have not yet been able

to quantify what that impact is (e.g. repairing a water leak when the exact volume of water leaking out is unknown). In Volumes II and III of this document, each capital project summary indicates whether or not there is an operating impact associated with the project that the City has been able to quantify.

While most capital projects can be assumed to have a marginal impact on energy savings or personnel demands, only those projects which will likely result in an increase or decrease in a budget appropriation are included here. Operating impacts that result from capital work done at Public Health Commission Facilities are not reflected here, since BPHC's operating budget is separate from the City's.

Savings

The capital plan supports investments that will decrease operating expenses by reducing costs associated with emergency repairs, maintenance of old systems, and energy inefficiency. A substantial portion of the capital plan is focused on these types of basic facility improvements.

Through an Executive Order relative to climate action, the City has committed to designing new buildings and selected major renovations to the standards required to attain U.S. Green Building Council LEED (Leadership in Energy and Environmental Design) certification. The City will apply for LEED Silver designation for the new Dudley Municipal Center building, which is now in construction and is slated for completion this winter.

By far the largest operational savings comes from the conversion of street lights to newer fixtures using Light Emitting Diode (LED) technology. Starting in FY11, and initially taking advantage of funds from the American Recovery and Reinvestment Act (ARRA) as well as rebates from NSTAR, the street lights converted under this program in FY15 are expected to save the City \$1 million annually, in addition to the \$3 million projected annual savings from work done in FY12 -14.

The School Department is pursuing capital projects to save energy and reduce operating costs, primarily by updating HVAC systems.

At Long Island, heating oil is either barged to the island or is transported across the Long Island Bridge at great expense. A new bridge is expected to save the City money in the long term both on maintenance and

by reducing the cost of bringing fuel to the island to support programming there.

Property and Construction Management is converting the City Hall heating system from steam to natural gas. The existing steam to water heat exchanger will be replaced with four high-efficiency gas-fired condensing boilers.

will result in operational efficiencies, those efficiencies have been difficult to quantify in a way that can be accurately reflected in the City's budget projections.

Two new buildings are expected to come on line in the next three years: a new municipal building in Dudley Square, and an expansion of the Eliot school into the

Department	Project	2015	2016	2017
Boston Center for Youth and Families	BCYF Draper Pool	(2,748)	(2,748)	(2,748)
Boston Center for Youth and Families	BCYF Paris Street Community Center	-	-	(4,300)
Boston Center for Youth and Families	BCYF Vine Street Community Center	-	-	(1,994)
Environment Department	Energy Conservation Program	(18,017)	(18,017)	(18,017)
Fire Department	HVAC / Boiler Replacement at Various Stations	(14,689)	(29,348)	(29,348)
Fire Department	Fire Boat	(25,000)	(50,000)	(50,000)
Library Department	Johnson Building Energy Improvements	(11,500)	(11,500)	(5,500)
Library Department	Critical Facility Repairs	(19,916)	(19,916)	(19,916)
Library Department	Johnson Building Renovation	-	(41,750)	(83,500)
Library Department	Pay-for-Print Infrastructure System	(35,000)	(70,000)	(70,000)
Department of Innovation and Technology	Imaging and Document Management	-	70,000	70,000
Department of Innovation and Technology	Permit and Inspection System	120,000	155,000	155,000
Department of Innovation and Technology	Enterprise Geographic Information System	-	180,000	180,000
Department of Innovation and Technology	Core Technology Infrastructure	30,000	735,000	735,000
Department of Innovation and Technology	Youth and Human Services Initiatives	-	65,000	65,000
Department of Innovation and Technology	Public Safety Systems Implementation	-	150,000	150,000
Department of Innovation and Technology	Computer Aided Dispatch	150,000	600,000	600,000
Department of Innovation and Technology	Enterprise Business Applications	-	70,000	70,000
Department of Innovation and Technology	Tax Billing and Collecting System	-	300,000	300,000
Department of Innovation and Technology	Data Center: AC/Cooling Tower Replacement	-	25,000	25,000
Department of Innovation and Technology	Fiber Network Expansion	75,000	675,000	1,175,000
Property and Construction Management	City Hall Energy Efficiency	(141,527)	(141,527)	(141,527)
Property and Construction Management	Dudley Square Municipal Building	781,000	1,562,000	1,562,000
Property and Construction Management	201 Rivermoor Street	-	(3,850)	(3,850)
School Department	Charlestown High School	(146,694)	(146,694)	(146,694)
School Department	Eliot School at North Bennet Street	-	-	65,433
School Department	Quality Improvement Fund for Schools	63,120	45,500	45,500
Public Works Department	Central Maintenance Facility Vehicle Wash	2,000	2,000	2,000
Public Works Department	Street Light LED Conversion	(1,000,000)	(1,000,000)	(1,000,000)
Public Works Department	Street Light Gas Lamps	(50,000)	(50,000)	(50,000)
Transportation Department	Strategic Bicycle Network Project	150,000	150,000	150,000

Figure 3: Operating Impacts of Capital Projects

Costs

Increases in operating expenses expected as a result of capital projects are primarily driven by two areas: an expansion of the City's IT infrastructure, and the construction of new buildings.

Although many of the projects identified in the Department of Innovation and Technology (DoIT)'s capital budget are replacing legacy systems, in many cases they involve an expansion of that infrastructure, as well. This entails annual licensing fees to support the ongoing maintenance and upgrades of the new software solutions, and often the addition of personnel to support the customizations and integrations that allow the new software to meet the City's needs. Although it is expected that most of this new software

former North Bennet Street School. The operating costs associated with the new Dudley Square municipal building are in line with the addition of a 200,000 square foot building to the City's real estate portfolio, and reflect basic maintenance and operating costs associated with keeping the building open and operational. Operating costs for that building will be split between the School Department and Property and Construction Management. The operating costs for the Eliot school assume that the entire building will consist of net new seats for K-8 students.

DEBT MANAGEMENT POLICIES AND DEBT IMPLICATIONS OF THE PLAN

Effective debt management ensures that the City can meet its capital infrastructure and facility needs. Debt management requires a series of decisions about the amount, timing, purposes and structure of debt issuance. Long-term debt related to capital investment has two main purposes:

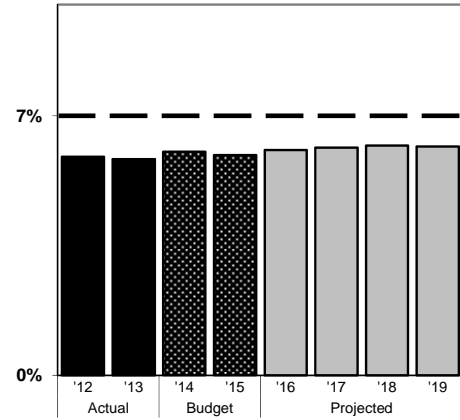
- (1) It finances acquisition, construction, repair, and renovation of City-owned buildings and equipment that are necessary to provide public services; and
- (2) It finances infrastructure improvements to ensure the City's continued growth and safe roadway conditions.

The Treasury Department manages all borrowings according to the City's debt management policies. These policies address issues such as debt affordability and limitations on the level of variable rate debt the City will use. The City's goals are to rapidly repay debt, maintain a conservative level of outstanding debt, and ensure the City's continued positive financial standing with the bond market.

Key components of the debt management policies ensure that:

- combined net direct debt does not exceed 3% of taxable assessed value;
- at least 40% of the overall debt is repaid within five years and 70% within ten years;
- annual gross debt service costs do not exceed 7% of general fund expenditures;
- variable rate debt does not exceed 20% of the City's total currently outstanding bonded debt (the City has no variable debt).

For further discussion of the City's financial policies and management controls, refer to the chapter on Financial Management.



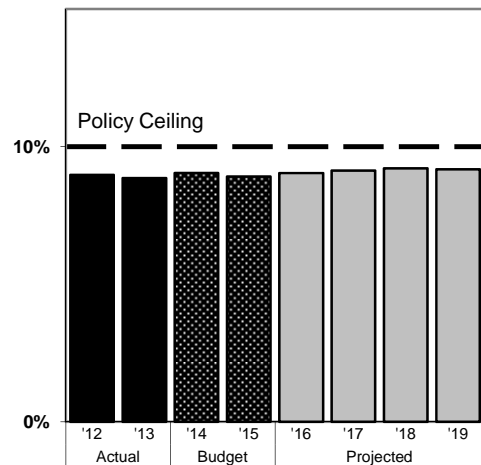
Gross Debt Service as a Percent of Total General Fund Expenditures
FY12 - FY19

Figure 4

The City's debt service forecast assumes general obligation borrowing of \$140 million in FY15, and \$140 million each year from FY16 through FY19. On March 26, 2014, the City sold \$153 million in general obligation bonds to fund its capital improvement projects. The debt tables at the end of this chapter detail the City's outstanding debt service obligations and demonstrate the City's rapid retirement of its debt.

The City's gross debt service requirement will remain under 7% of total General Fund expenditures through FY19 (See Figure 4).

The ratio of debt service to the City's primary revenue



Gross Debt Service as a Percent of the Net Property Tax Levy
FY12 - FY19

Figure 5

source, the property tax levy, is projected to increase through FY16 (See Figure 5). Even with the increase, the ratio is not expected to exceed the City's policy ceiling.

The City's current overall debt burden (net direct debt to assessed property value of \$99.83 billion) is approximately 1.15% as of April 30, 2014. The City's net direct debt per capita currently stands at approximately \$1,801.35 as of April 30, 2014.

Boston has been conservative about assuming long-term debt and aggressive about retiring debt expeditiously. As of April 30, 2014, the City's debt retirement schedule shows that 41.4% of its principal will be retired five years out, before the end of FY19 (See the Debt Retirement table at the end of this chapter).

In March of 2014, Moody's Investors Service reaffirmed Boston's credit rating at Aaa, and Standard & Poor's upgraded Boston's credit rating from AA+ to AAA. A bond rating is a statement of credit quality and is analyzed when determining the interest rate that should be paid for a municipality's bonds. A higher bond rating translates into lower interest rates and real dollar savings for the City.

Capital Project Financing

Fiscal Years 2015 - 2019

	Existing Authorization	FY15 Authorization	FY16-19 Authorization	State	Federal	Other	Trust	Total
Boston Center for Youth and Families	16,016,812	10,900,000	8,738,188	0	0	0	0	\$35,655,000
Boston Redevelopment Authority	3,737,500	5,995,000	4,685,000	1,583,500	0	3,500,000	0	\$19,501,000
Department of Innovation and Technology	75,366,400	25,585,000	15,544,256	0	0	0	0	\$116,495,656
Emergency Management	0	1,500,000	15,213,500	0	2,000,000	0	0	\$18,713,500
Environment Department	4,890,000	0	500,000	50,000	0	716,956	0	\$6,156,956
Fire Department	35,783,594	7,755,000	14,335,000	1,795,000	0	89,091	0	\$59,757,685
Library Department	31,994,862	69,935,000	31,033,000	0	0	298,634	0	\$133,261,496
Neighborhood Development	0	200,000	1,300,000	0	0	1,750,000	0	\$3,250,000
Office of New Urban Mechanics	0	1,000,000	1,000,000	0	0	0	0	\$2,000,000
Parks and Recreation Department	63,600,094	15,742,000	17,261,220	24,926,055	61,950,086	1,870,926	0	\$185,350,381
Police Department	4,455,000	3,210,000	2,764,000	0	0	0	0	\$10,429,000
Property and Construction Management Department	145,472,957	8,784,426	52,368,700	117,227	0	2,968,787	0	\$209,712,097
Public Health Commission	6,815,000	11,176,000	1,625,000	0	950,000	0	0	\$20,566,000
Public Works Department	203,637,079	73,550,000	17,580,893	163,873,366	146,848,700	66,307,002	0	\$671,797,040
School Department	171,585,542	49,478,458	22,044,258	40,540,410	1,300,000	33,266,317	0	\$318,214,985
Transportation Department	40,416,198	2,000,000	15,150,000	17,120,000	5,480,000	200,000	0	\$80,366,198
Total	803,771,038	286,810,884	221,143,015	250,005,558	218,528,786	110,967,713	0	1,891,226,994

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Boston Center for Youth and Families</u>					
BCYF Clougherty Pool	Rehabilitation of pool's bathhouse, its two pool shells, exterior pool deck, and mechanical systems.	To Be Scheduled	Charlestown	2,700,000	No
BCYF Draper Pool	A complete building renovation including new windows and skylights; new roof, masonry repairs and pool repairs; mechanical and ventilation system upgrades; interior painting; locker room, entrance and office updates; driveway and parking improvements.	In Construction	West Roxbury	3,750,000	Yes
BCYF Hyde Park Community Center	Waterproof building exterior including repointing masonry, weatherproofing doors and caulking.	In Construction	Hyde Park	515,000	No
BCYF Paris Street Community Center	Interior facility repairs and renovations include upgrades of all mechanical systems and boilers; window and exterior door replacements; athletic facility improvements and teledata upgrades; and new furniture and equipment.	In Design	East Boston	10,000,000	Yes
BCYF Tobin Community Center Site Study	Enhance use of space by adding outdoor elements to back yard and entry way to provide for outdoor community space.	To Be Scheduled	Mission Hill	50,000	No
BCYF Vine Street Community Center	Interior renovations including new mechanical systems, new roof, masonry repairs, window replacements, athletic facility upgrades, teledata upgrades, new furniture, furnishings and equipment.	To Be Scheduled	Roxbury	5,340,000	Yes
Critical Facility Repairs	A critical repair fund for emergency repairs to community center facilities including roofs, windows, masonry, electrical and HVAC systems.	Annual Program	Citywide	1,300,000	No
Pool Repairs	Renovate and upgrade locker rooms and pools including new filtration systems, pool liners, dehumidification and HVAC systems at various BCYF/BPS pool facilities.	Annual Program	Citywide	5,000,000	No
Roof and Gym Floor Replacements	Replace gym floors and roofs at the BCYF Gallivan Community Center and the BCYF Johnson Community Center.	In Design	Various neighborhoods	5,000,000	No
Youth Budget	Engage youth across the City to create a capital "Youth Budget", using participatory budgeting methods.	Implementation Underway	Citywide	2,000,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Boston Redevelopment Authority</u>					
BMIP: Black Falcon Avenue and Terminal Street	Resurface Black Falcon Avenue and Terminal Street. Replace sidewalk and improve street lighting.	To Be Scheduled	South Boston	1,400,000	No
BMIP: Bulkhead Restoration along Fid Kennedy Ave.	Replace bulkhead along Fid Kennedy Ave. at the Mainie Industrial Park.	To Be Scheduled	South Boston	1,500,000	No
BMIP: Drainage System Improvements	Perform drainage system improvements.	To Be Scheduled	South Boston	610,000	No
BMIP: Pier 5 / Drydock 4 Improvements	Pier and drydock repairs.	New Project	South Boston	975,000	No
BMIP: South and East Jetty Repairs	Repair area adjacent to the bulkhead and secure safety and security barriers around the jetties.	In Construction	South Boston	650,000	No
BMIP: Wharf 8 Bulkhead Rehabilitation	Replace the existing bulkhead.	In Design	South Boston	2,000,000	No
Boylston Street Design	Preliminary design services for improvements to sidewalks and public realm on the north side and south side of Boylston Street from Arlington Street to Massachusetts Avenue.	In Design	Back Bay	300,000	No
CNY: Pier 11 Fender System Improvements	Install new fender piles and wales at Pier 11.	New Project	Charlestown	375,000	No
CNY: Pier 4 Improvements	Design and install pier infrastructure improvements at Pier 4 at the Charlestown Navy Yard. External marine facility construction funding anticipated.	To Be Scheduled	Charlestown	2,511,000	No
CNY: Shipyard Park Public Fountain	Replace fountain pump system and gratings.	In Construction	Charlestown	195,000	No
East Boston Greenway	Design and construction for the final segment of the East Boston Greenway.	In Design	East Boston	965,000	No
Harrison Avenue Improvements	Road reconstruction improvements to Harrison Avenue between Berkeley Street and Herald Street.	In Design	South End	3,820,000	No
Mt. Vernon Street Design	Preliminary design services to bring design to a complete street standard with a cycle track including but not limited to reconstruction of roadway and sidewalk.	In Design	Dorchester	500,000	No
Washington Street/ Traveler Street Design	Design services for roadway improvements to Washington Street and Traveler Street including resurfacing, pavement markings and traffic signal improvements.	To Be Scheduled	South End	200,000	No
Winthrop Square Garage	Demolish the existing municipal parking garage.	New Project	Financial District/Downtown	3,500,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Department of Innovation and Technology</u>					
Computer Aided Dispatch	Procure and implement a new computer aided dispatch system for Fire, Police and Emergency Medical Services. The project also includes the implementation of technology solutions for their record management systems requirements.	Implementation Underway	Citywide	16,985,000	Yes
Core Technology Infrastructure	Install hardware platforms to run applications supporting City business. The scope includes data center consolidation, server virtualization, business interruption planning, enterprise storage, network management, VoIP deployment, and information security	Annual Program	Citywide	25,150,000	Yes
Data Center: AC/Cooling Tower Replacement	Replace data center cooling tower at City Hall. Install new in-row cooling solution for rack servers.	Implementation Underway	Financial District/Downtown	1,300,000	Yes
Enterprise Business Applications	Identify and procure enterprise business applications that enhance productivity and improve City business operations.	Implementation Underway	N/A	10,500,000	Yes
Enterprise Geographic Information System	Develop and implement components of a City-wide enterprise geographic information system (GIS). Phase I includes an enterprise license agreement and a new map service for the City website. Phase II includes enterprise asset management.	Implementation Underway	N/A	7,585,000	Yes
Fiber Network Expansion	Investment in BoNet infrastructure, including extending the fiber network reach to 100 BPS schools and providing public wifi opportunities.	New Project	Various neighborhoods	10,750,000	Yes
Human Resources System Upgrade	Implement major upgrade to the BAIS Human Capital Management (HCM) application, the City's human resources system.	New Project	N/A	15,000,000	No
Imaging and Document Management	Establish an enterprise-wide imaging and workflow platform that can be used to store departmental records as well as route various paper documents through City processes.	Implementation Underway	N/A	2,200,000	Yes
Mobility Solutions	Develop and implement mobile solutions including mobile versions of the City's asset management and permit and inspection systems, as well as the creation of a common mobile platform for existing and future mobile investments.	Implementation Underway	N/A	1,400,000	No
Permit and Inspection System	Implement a permit and inspection system which integrates within ISD divisions and creates the capability to connect with other City agencies. Permit processes for the City Clerk's Office, Parks Department, and the BRA will also be implemented in FY15.	Implementation Underway	N/A	6,160,656	Yes
Public Safety Systems Implementation	Implementation of various public safety initiatives, including mobile technology, improving interoperability between existing data systems, increasing GPS capabilities and migrating public safety agency radio communications to narrow banded frequencies.	Implementation Underway	Citywide	14,965,000	Yes
Tax Billing and Collecting System	Replace the City's property tax billing and collecting system with a new enterprise solution.	Implementation Underway	N/A	3,000,000	Yes
Youth and Human Services Initiatives	Implement technology to track utilization of programs, improve visibility and access to services across departments in support of the Community Learning Initiative.	Implementation Underway	Citywide	1,500,000	Yes
<u>Emergency Management</u>					
Emergency Operations Center	Renovate an existing facility at 201 River Street in Mattapan for use as an Emergency Operations Center.	New Project	Mattapan	18,713,500	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Environment Department</u>					
Energy Conservation Program	Develop and implement an energy conservation strategy citywide including the installation of photovoltaic units and energy efficient lighting. These funds support citywide energy efficiency projects.	Annual Program	Citywide	1,656,956	Yes
Open Space Acquisition	Funding program for open space acquisition.	To Be Scheduled	Citywide	1,500,000	No
Wind Turbine	Design and construct wind turbines.	To Be Scheduled	Harbor Islands	3,000,000	No
<u>Fire Department</u>					
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to Fire Department facilities including roofs, windows, masonry, electrical and HVAC systems.	Annual Program	Citywide	2,656,594	No
Engine 3	Renovate building including envelope repairs, door and window replacement and interior improvements including building systems.	To Be Scheduled	South End	4,400,000	No
Engine 37	Facility upgrades including building envelope and miscellaneous interior improvements including mechanical, electrical and plumbing systems.	To Be Scheduled	Roxbury	1,871,000	No
Engine 5	Building envelope repairs including roof replacement, masonry repointing, gutter replacement, waterproofing, flashing repairs, window and door repairs and drainage improvements.	In Design	East Boston	925,000	No
Engine 50	General renovations include building exterior and interior.	To Be Scheduled	Charlestown	2,120,000	No
Envelope Repairs at Engine 54	Masonry and other building envelope repairs.	In Design	Harbor Islands	1,380,000	No
Fire Alarms at 11 Stations	Install or upgrade fire alarm systems at Engine 2, 3, 4, 5, 7, 9, 16, 29, 33, 37 and 50.	To Be Scheduled	Various neighborhoods	200,000	No
Fire Boat	Replace a small fireboat.	New Project	N/A	340,000	Yes
Fire Equipment	Purchase new fire apparatus as scheduled in the Apparatus Replacement Plan.	Annual Program	Citywide	29,503,000	No
HVAC / Boiler Replacement at Various Stations	Install new boilers and upgrade heating systems at Engines 4, 7, 8, 22, 49 and 55.	In Construction	Various neighborhoods	4,089,091	Yes
Marine Unit Dock Replacement	Replace dock at Burroughs Wharf.	New Project	North End	600,000	No
Radio System Improvements	Upgrade radio communication system including a new monopole at Fire Alarm.	To Be Scheduled	N/A	1,770,000	No
Repairs at 4 Stations and Training Academy	Exterior improvements including masonry and concrete repairs and repointing at Engines 2, 7, 29, 48 and Training Academy.	In Construction	Various neighborhoods	1,889,000	No
Roof and Masonry Repairs	Roof and masonry repairs at Engine 4, 14, 17 and 55.	New Project	Various neighborhoods	1,600,000	No
Seawall at Moon Island	Repair seawall adjacent to the Fire Academy on Moon Island.	To Be Scheduled	Harbor Islands	2,644,000	No
Station Alerting System	Replace existing station alerting system.	Implementation Underway	Various neighborhoods	3,770,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Library Department					
Adams Street Branch Library	Assess interior space requirements of the children and adult sections. Replace front doors, roof, and flooring. Repair or replace windows. Improve handicap access and lighting.	To Be Scheduled	Dorchester	1,450,000	No
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to library facilities including roofs, windows, masonry, and electrical and HVAC systems.	Annual Program	Citywide	2,010,945	Yes
Dudley Branch Library Renovation	A comprehensive building renovation will enrich library services and visitor experience through improved spatial definition, a fully accessible facility, improved signage and greater energy efficiency.	New Project	Roxbury	14,718,000	No
Egleston Square Branch Library	Improve driveway, parking, and garden path areas. Replace fence and install window treatment at south wall. Add lighting to rear of lecture hall and install a handicap ramp. Perform partial window glazing at garden window wall and upgrade HVAC system.	To Be Scheduled	Roxbury	916,267	No
Facilities Audit	Assess the existing physical conditions of the branches according to how ably the branches can accomplish the Compass Principles with the goal of informing future capital project planning.	Study Underway	Citywide	440,500	No
Faneuil Branch Library	Upgrade HVAC system, install new fire alarm system, repaint stairs, refurbish interior finishes, and improve interior lighting. Provide exterior signage and improve access.	To Be Scheduled	Allston/Brighton	1,118,650	No
Faneuil Branch Library Study	Assess the existing interior and exterior physical conditions according to how ably the branch can accomplish the Compass Principles; review the facility's HVAC and alarm systems; and develop a recommended remodeling plan.	In Design	Allston/Brighton	75,000	No
Jamaica Plain Branch Library	Renovate existing branch and build an addition to improve access and programming. Service improvements will include circulation and collection areas, shelving, electrical system updates, and other items.	In Design	Jamaica Plain	10,000,000	No
Johnson Building Energy Improvements	Implementation of comprehensive energy study recommendations for the library at Copley Square.	In Construction	Back Bay	5,772,134	Yes
Johnson Building Piping Infrastructure	Replace and update piping infrastructure including small diameter hot water piping, chilled water, steam and condensate return piping and related valves in the Johnson and McKim buildings.	To Be Scheduled	Back Bay	1,950,000	No
Johnson Building Renovation	Improvements to enrich library services and visitor experience, including new and expanded areas for teens and children, an enhanced entry and street presence, and other improvements.	In Construction	Back Bay	75,500,000	No
McKim Library Phase II C Signage	Update directional and room signage in conjunction with the ongoing restoration project.	In Construction	Back Bay	500,000	No
McKim Library Waterproofing	Remediate water infiltration in the basement of the McKim Building and reconstruct the pedestrian plaza on Dartmouth Street.	In Design	Back Bay	480,000	No
North End Branch Library	Upgrade HVAC system, upgrade lighting, install new circulation desk, repair or replace windows, replace roof, install new exterior signage, and other interior repairs.	To Be Scheduled	North End	1,475,000	No
Parker Hill Library	Replace windows and repaint masonry walls.	To Be Scheduled	Mission Hill	2,400,000	No
Pay-for-Print Infrastructure System	Replace public service pay-for-print infrastructure system.	Implementation Underway	Citywide	850,000	No
Roslindale Branch Library	Conduct a facility assessment of the existing physical conditions according to how ably the branch can accomplish the Compass Principles (study will be a pilot for system-wide assessment), develop a remodeling plan and implement the first phase.	Implementation Underway	Roslindale	125,000	No
Security Audit Recommendations Implementation	Implement security upgrades at Central & all branch library locations.	Implementation Underway	Citywide	500,000	No
Uphams Corner Library (New)	Site acquisition, design, construction, and furnishings for the development of a new branch library.	To Be Scheduled	Dorchester	12,980,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Neighborhood Development</u>					
Property Demolition	Demolish three priority buildings in DND's portfolio including 65 East Cottage Street, 71-79 Intevalle Street and 174 West Second Street.	New Project	Various neighborhoods	1,750,000	No
Strand Theater Accessibility	Improve accessibility throughout the theatre, including the installation of an elevator, fire protection improvements.	New Project	Dorchester	1,500,000	No
<u>Office of New Urban Mechanics</u>					
Innovation Fund	Work across departments to deploy innovative improvements on streets, online, and in schools using technology and cutting edge design.	New Project	Various neighborhoods	2,000,000	No
<u>Parks and Recreation Department</u>					
Adams Park	Install a permanent performance platform, electrical system, and walkways; rearrange fixtures; plant new shrubs and / or trees.	In Construction	Rosindale	250,000	No
Adams/King Playground	Park renovation including drainage; fencing and wall repairs; new landscaping, play structure, and safety surfacing.	In Design	Dorchester	500,000	No
American Legion Playground	Design and construct a new synthetic turf field, playing courts, play lot, and bleachers; perform other miscellaneous improvements.	In Construction	East Boston	3,400,000	No
Back Bay Fens	Furnish and install pedestrian lighting along pathway by the Rose Garden area of the Fenway.	To Be Scheduled	Fenway/Kenmore	220,000	No
Beethoven School Playground	Refurbishment, repair and renovation of Beethoven School playground and surrounds.	In Design	West Roxbury	335,000	No
Billings Field Playground	Renovate the play lot, including installation of new play equipment and safety surfacing, a new 0-4 tot lot, and benches.	In Construction	West Roxbury	500,000	No
Boston Common - Parkman Plaza	Renovation of Parkman Plaza outside of the Visitor Information Center in the Boston Common.	New Project	Beacon Hill	3,500,000	No
Boston Common Pathways	Improve paths, paving, and associated infrastructure.	In Design	Beacon Hill	1,589,000	No
Caldwell Street Playground	Park renovation including pruning, refurbished play structure, new swings, spring toys, safety surfacing, and miscellaneous repairs.	In Design	Charlestown	250,000	No
Carter Playground	Demolish existing structure housing water and electrical controls, and replace with new service building for electrical controls and a separate vault for water controls.	To Be Scheduled	South End	1,125,000	No
Cassidy Park	Assessment of facilities and infrastructure at Cassidy Park including field house, storage needs, and existing utilities.	New Project	Allston/Brighton	60,000	No
Children's Park Playground	Playground and park renovation, including water spray, play structure and safety surfacing, site furnishings and plantings.	New Project	Roxbury	560,000	No
Commonwealth Avenue Mall	Repair and upgrade existing pathways.	To Be Scheduled	Back Bay	500,000	No
Court Renovations	Annual program to rehabilitate tennis, basketball, and street hockey courts citywide.	Annual Program	Citywide	4,491,256	No
Cuneo Playground	Major park renovation including drainage; fencing and wall repairs; and new landscaping, play structure, and safety surfacing.	In Design	East Boston	320,000	No
Downer Avenue Park	Overall park and play lot refurbishment and installation of safety surfacing.	To Be Scheduled	Dorchester	600,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Parks and Recreation Department					
East Boston Stadium Field	Full replacement of first artificial turf field the Parks Department installed in 1999. Replace running track and repair perimeter fencing.	In Construction	East Boston	1,600,000	No
Edgerly Road Playground	Renovate play lot, including new play equipment and safety surface.	In Construction	Fenway/Kenmore	647,000	No
Eliot Norton Park	Major park renovation including drainage; fencing and wall repairs; and new landscaping, play structure, and safety surfacing.	In Design	Bay Village	1,127,000	No
Erie Ellington Playground	Renovate play lot and install new fencing, curbing and trees.	In Construction	Roxbury	831,000	No
Fairview Cemetery Garage Building	Construct new garage. Provide access for persons with disabilities.	In Design	Hyde Park	1,503,000	No
Fallon Field	Overall park and play lot refurbishment and installation of safety surfacing.	New Project	Roslindale	590,000	No
Field Renovations at Cassidy Field	Hydrologic and grading study, re-grading of three softball/baseball fields and football field, installation of drainage system, repair/replacement of existing fencing/backstops and paths, repair concrete bleachers, accessible entrances and pathways.	In Design	Allston/Brighton	710,000	No
Field Renovations at Clifford Playground	Re-grading of three baseball/softball fields creation or repair of accessible pathways, repair and replacement of deteriorated fencing, gates and entrances, repair bleachers, installation of additional drainage.	In Design	Roxbury	415,000	No
Field Renovations at Doherty-Gibson Playground	Re-grading of two baseball and/or softball fields, repair or creation of accessible pathways, repair and replacement of deteriorated fencing, backstops and entrances, paving and re-grading of areas around the field house.	In Design	Dorchester	375,000	No
Field Renovations at Healy Field	Renovate existing field to improve drainage and playing surface, and perform other miscellaneous improvements.	In Construction	Roslindale	700,000	No
Field Renovations at Malcolm X Park	Renovate the existing softball fields to improve drainage and playing surface, repair/replacement of existing fencing/backstops, and other miscellaneous improvements.	New Project	Roxbury	500,000	No
Field Renovations at Mission Hill	Renovate existing field to improve drainage and playing surface, and perform other miscellaneous improvements.	In Construction	Mission Hill	406,700	No
Field Renovations at Parkman Playground	Renovate the existing field to improve drainage and playing surface, repair/replacement of existing fencing/backstops, and other miscellaneous improvements.	New Project	Roslindale	500,000	No
Field Renovations at Ryan Playground	Renovate the existing baseball and softball fields to improve drainage and playing surface, repair/replacement of existing fencing/backstops, and other miscellaneous improvements.	New Project	Charlestown	500,000	No
Field Renovations at Various Locations	Annual program for the renovation of three to six fields and their ancillary facilities.	Annual Program	Various neighborhoods	3,150,000	No
Franklin Park Admin Building Interior	Renovate interior, replace windows, upgrade electrical and HVAC systems, and improve access for persons with disabilities.	To Be Scheduled	Roxbury	1,972,820	No
Franklin Park Gateway and Paths	Repair and improve park pathways and entrances.	In Design	Roxbury	897,174	No
Franklin Park Greenhouse	Construct a new greenhouse.	To Be Scheduled	Roxbury	520,000	No
Franklin Park Maintenance Yard Utilities Phase II	Design and construct underground telephone and electric services. Repave site, including curbing and parking improvements.	To Be Scheduled	Roxbury	1,595,000	No
Frog Pond	Study to evaluate the mechanical systems of the Frog Pond.	To Be Scheduled	Beacon Hill	100,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Parks and Recreation Department					
General Parks Improvements	Replace fencing, pavement, court lighting, and other infrastructure repairs as needed.	Annual Program	Citywide	3,585,572	No
George Wright Golf Course	Ongoing improvements including drainage, paving, and other miscellaneous items.	Annual Program	Hyde Park	2,110,300	No
George Wright Golf Course Clubhouse	Building renovations include envelope work and exterior access improvements, new doors and windows, and new boiler and ATC. Install new electrical service and fire protection. Update bathroom for accessibility.	In Design	Hyde Park	5,000,000	No
George Wright Golf Course Water Main	Replacement of leaking water main at George Wright Golf course.	New Project	Hyde Park	250,000	No
Gibbons Playground	Major park renovation including drainage; fencing and wall repairs; and new landscaping, play structure, water feature, and safety surfacing.	In Construction	Mission Hill	350,000	No
Harambee Park Master Plan	Develop a master plan for the optimal use of space within the entire park.	To Be Scheduled	Mattapan	125,000	No
Harvard Mall Play Area	Complete renovation of tot and surrounding area including fencing, paving, and lighting.	To Be Scheduled	Charlestown	450,000	No
Hazardous Remediation	Conduct mandatory site assessments in accordance with DEP requirements. Provide cleanup at various sites.	Annual Program	Various neighborhoods	1,453,250	No
Hemenway Playground	Park renovation including drainage; fencing and wall repairs; and new landscaping, play structure and safety surfacing.	In Design	Dorchester	350,000	No
Historic Cemeteries	Ongoing program of repairs in designated historic cemeteries located throughout the City.	Annual Program	Citywide	1,756,117	No
Horatio Harris Park	Major park renovation including drainage; paving; fencing and wall repairs; and new landscaping, seating area, game tables, and drinking fountains.	In Design	Roxbury	370,000	No
Hunt/Almont Playground	Refurbish fields and various paths in accordance with the master plan. Complete: Demolish the field house and replace with a passive area.	In Construction	Mattapan	4,697,743	No
Iacono Playground	Major park renovation including drainage; fencing and court repairs; and new landscaping, play structure, swings, and safety surfacing.	In Construction	Hyde Park	730,000	No
Jamaica Pond Boathouse	Repairs to roof, chimney, masonry, windows and doors, interior finishes, and bathrooms; new flooring and paint; food vendor upgrades to kitchen, lighting, and mezzanine.	To Be Scheduled	Jamaica Plain	400,000	No
Jamaica Pond Dock Rehabilitation	Design rehabilitation and repair of the boat docks.	New Project	Jamaica Plain	144,000	No
Jamaica Pond Outfall Pipe Replacement	Replace failed outfall pipe and make related site improvements at Jamaica Pond which will improve the functioning of the local storm water management system.	New Project	Jamaica Plain	300,000	No
John Harvard Mall	Renovate existing passive park and improve accessibility.	In Design	Charlestown	970,000	No
Judge Gourdin Veterans' Memorial Park	Major park renovation including pathways, walls, plazas, ADA improvements, and landscaping.	New Project	Roxbury	152,000	No
Kelleher Rose Garden	Perimeter restoration of historic rose garden.	New Project	Fenway/Kenmore	170,000	No
Liberty Tree	Restoration of passive park including brick paving and other site improvements.	In Design	Chinatown	130,000	No
Little Scobie Playground	Renovate playground and basketball courts.	In Design	Roxbury	550,000	No
LoPresti Playground	Renovate park to include refurbished field, play area and pathways.	In Construction	East Boston	3,275,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Parks and Recreation Department					
Marcella Playground	Renovation including new play equipment, spray feature, court resurfacing, re-graded field and improved lighting, wall improvements, new fence and restoration of public art.	New Project	Roxbury	2,160,000	No
Mary Hamon Playground	Major park renovation including drainage; fencing and wall repairs; and new landscaping, play structure, and safety surfacing.	In Design	Roxbury	550,000	No
McConnell Playground	Install new play equipment, curbing, paving, and landscaping; perform other ancillary site improvements.	To Be Scheduled	Dorchester	201,000	No
McLaughlin Playground Upper Terrace	Access and pathway improvements, seating area installation and improvements, grading and drainage restoration, fence installation and overlook creation.	In Design	Roxbury	335,000	No
Monsignor Reynolds Playground	Install new play lot equipment, safety surfacing, curbing, fencing, and benches.	In Design	South End	540,000	No
Muddy River	Dredge main channel and restore habitat along the Muddy River. Project will be implemented through the Army Corps of Engineers. Additional project funding is provided by the Army Corps of Engineers, the Commonwealth, and the Town of Brookline.	In Construction	Fenway/Kenmore	89,305,642	No
On-Call Engineering Services	Miscellaneous engineering services on an as-needed basis.	New Project	Various neighborhoods	150,000	No
Paris Street Playground	Major park renovation including drainage; fencing and wall repairs; and new landscaping, play structure, and safety surfacing.	In Design	East Boston	850,000	No
Park Accessibility Evaluation and Asset Study	Inventory of park assets and assessment of park conditions including accessibility. Evaluation and analysis will support and inform the City's Park and Open Space plan and future capital improvement requests.	Study Underway	Citywide	500,000	No
Park Equipment	Purchase park maintenance equipment.	Annual Program	Citywide	3,700,000	No
Park Planning Studies	Planning and related landscape design services including: capital phasing plans, development of standard details and specifications and miscellaneous planning services.	New Project	Various neighborhoods	50,000	No
Public Garden Lagoon	Repair and backfill missing, destroyed, and leaking granite coping surrounding the lagoon.	In Design	Beacon Hill	1,085,428	No
Public Garden Pathways	Repair and upgrade existing pathways.	In Construction	Beacon Hill	700,000	No
Puopolo Field Electrical Repairs	Repair and replacement of entire electrical system. Change power source from high voltage to low voltage, install MUSCO lighting controllers and modify all required wiring and switches.	In Design	North End	260,000	No
Rachel Revere Square	General park refurbishment, including paths, site furnishings, play court, restoration of retaining wall, bronze plaques, light fixtures, and ornamental fencing.	New Project	North End	233,000	No
Rice Field	Renovate and re-grade infield and over-seed outfield.	In Construction	Roxbury	100,000	No
Roberts Playground	Playground renovation, including water spray, new playground equipment, fencing, safety surfacing, site furnishings and plantings.	New Project	Dorchester	1,140,000	No
Rogers Park	Planning for future park improvements.	To Be Scheduled	Alliston/Brighton	50,000	No
Ross Playground	Overall park and play lot refurbishment and installation of safety surfacing.	To Be Scheduled	Hyde Park	880,000	No
Savin Hill Park	Access and pathway improvements, seating area installation and improvements, grading and drainage restoration, fence installation and overlook creation.	In Design	Dorchester	265,000	No
Street Tree Planting	Ongoing program of street tree planting throughout the City.	Annual Program	Citywide	4,700,000	No
Sweeney Playground	Renovate play lot including new play equipment and safety surface.	To Be Scheduled	South Boston	635,000	No
Symphony Park	Revitalize park and create a passive, sustainable designed park with enhanced green spaces, accessible walkways, and a pergola area.	In Construction	Fenway/Kenmore	614,050	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Parks and Recreation Department</u>					
Tai Tung Park	General park refurbishment and installation of new safety surfacing.	To Be Scheduled	Chinatown	160,000	No
Titus Sparrow Park	Pathway improvements.	New Project	South End	120,000	No
Turf Rehabilitation	Refurbish existing artificial fields, including impact testing, granular replacement/relocation, and ensuring the integrity of the fields.	Annual Program	Citywide	250,000	No
Urban Wilds Renovations	Renovation of walls, walkways, and signage within urban wilds owned by Environment and Parks Department. Trailhead, wayfinding, safety enhancement and woodland restoration at Allandale Woods, Rockies Orchard, and other urban wilds, city-wide.	Annual Program	Citywide	1,528,000	No
West Roxbury Education Complex Field	Design and construct a new synthetic turf football field, synthetic turf baseball and softball fields, tennis courts and athletic track. Upgrade parking, fencing, stands and lighting.	In Design	West Roxbury	8,000,000	No
William Devine Golf Course	Improve drainage, paving, and other miscellaneous items.	Annual Program	Roxbury	1,500,000	No
Winthrop Square III	Landscape area and install new perimeter fencing.	In Design	Charlestown	629,330	No
<u>Police Department</u>					
Area A-1 and Area D-4 Stations	Install new roofs at two police stations. Replace windows at Area A-1 Station.	To Be Scheduled	Various neighborhoods	2,500,000	No
Area C-6 Station Roof Replacement	Replace roof, exterior wall and window sealants.	To Be Scheduled	South Boston	315,000	No
Area D-14 Station	Install new windows on the second floor.	To Be Scheduled	Allston/Brighton	360,000	No
Area E-18 Station	Programming and facility study to relocate cellblock, replace roof and address building envelope issues.	To Be Scheduled	Hyde Park	50,000	No
Area E-5 Station	Replace exterior siding.	To Be Scheduled	West Roxbury	714,000	No
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to police facilities including roofs, windows, masonry, electrical and HVAC systems.	Annual Program	Citywide	665,000	No
East Boston Police Station Study	Develop building program and assess siting options in conjunction with the possible development of a City-owned property on East Eagle Street.	To Be Scheduled	East Boston	75,000	No
Evaluate HVAC Systems at Various Locations	Evaluate existing mechanical systems that may have exceeded normal life expectancy at Area B-3, Area C-6, Area E-13, Special Operations and Police Headquarters.	New Project	Various neighborhoods	100,000	No
Garage for Specialized Vehicles	Study options for construction of a centrally located garage for specialized vehicles.	New Project	Various neighborhoods	100,000	No
Gun Range at Moon Island	Design and construct a facility to support administrative and training requirements including appropriate environmental mitigation.	In Design	Harbor Islands	2,800,000	No
Mattapan Police Station Study	Evaluate the feasibility of increasing usable building square footage internally or through an addition in order to support increasing service demands.	To Be Scheduled	Mattapan	75,000	No
Police Headquarters Exterior Work	Improve the plinth associated with the parking lot knee wall, strengthen weakened security elements and address the deteriorating condition of the rotunda.	New Project	Roxbury	750,000	No
Police Headquarters HVAC Improvements	Replace two cooling towers. Update HVAC air handling units and fire protection systems supporting the 9-1-1 Operations Center.	In Construction	Roxbury	1,775,000	No
Police Headquarters Study	Reprogram selected areas of headquarters facility.	New Project	Roxbury	150,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Property and Construction Management					
1010 Massachusetts Avenue Elevators	Replace elevator cabs, controllers and motors.	In Construction	Dorchester	1,145,000	No
1010 Massachusetts Avenue Exterior Improvements	Exterior weatherproofing and window replacement.	New Project	Dorchester	6,350,000	No
1010 Massachusetts Avenue HVAC	Replace boiler, control system and heat pumps and improve ventilation.	New Project	Dorchester	5,989,000	No
201 Rivermoor Street	Installation of an emergency power generator.	New Project	West Roxbury	1,410,600	No
201 Rivermoor Street	Replace rooftop HVAC unit.	In Design	West Roxbury	945,000	Yes
26 Court Street	Comprehensive renovation to accommodate City departments when Boston Public Schools moves to the Dudley Square Municipal Building.	In Design	Financial District/Downtown	20,000,000	No
Animal Shelter	Replace runs, renovate plumbing, and upgrade HVAC.	New Project	Roslindale	583,000	No
City Hall / 26 Court Street Programming Study	Study options for locations and adjacencies of staff, and schedule of projects, in conjunction with renovations at City Hall and 26 Court Street.	New Project	Government Center/Faneuil Hall	400,000	No
City Hall 4th Floor Courtyard	Waterproof brick and concrete.	To Be Scheduled	Government Center/Faneuil Hall	3,575,000	No
City Hall and Faneuil Hall Access Improvements	Replace the handicap accessible chair lifts at City Hall and Faneuil Hall.	To Be Scheduled	Government Center/Faneuil Hall	275,000	No
City Hall Elevators and Escalators	Elevator and escalator upgrades.	To Be Scheduled	Government Center/Faneuil Hall	7,000,000	No
City Hall Energy Efficiency	Phase II: Recommissioning, update pumps and chillers with variable frequency drives. Phase I (lighting upgrades and controls) is complete.	In Design	Government Center/Faneuil Hall	3,393,232	Yes
City Hall Garage Repairs	Repairs to the plaza and garage to protect the under slab.	New Project	Government Center/Faneuil Hall	3,144,100	No
City Hall HVAC Piping Infrastructure	Replace all induction water piping and related deteriorated steel hot and chilled water piping.	To Be Scheduled	Government Center/Faneuil Hall	10,000,000	No
City Hall HVAC System Improvements	Replace boilers and associated piping, replace water heating system and associated piping, replace cooling towers and chiller. All equipment will be converted from steam to natural gas.	In Design	Government Center/Faneuil Hall	9,500,000	No
City Hall Plaza	Develop and implement a City Hall Plaza improvement plan consistent with expected improvements at the Government Center MBTA station; repair plaza brickwork, railings and granite stairs.	To Be Scheduled	Government Center/Faneuil Hall	2,315,555	No
City Hall Roof Drains	Repair roof and plaza drainage systems.	To Be Scheduled	Government Center/Faneuil Hall	610,000	No
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to facilities managed by Property and Construction Management including roofs, windows, masonry, and electrical and HVAC systems.	Annual Program	Citywide	1,943,883	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Property and Construction Management</u>					
Dudley Square Municipal Building	Design, construct, furnish, and equip a new municipal building located in Dudley Square, Roxbury.	In Construction	Roxbury	119,000,000	Yes
Dudley Square Municipal Building - Public Art	Commission and produce a signature piece of artwork to accompany the new Dudley Municipal Building.	In Design	Roxbury	200,000	No
East Eagle Street	Site acquisition and remediation, design and construction for a combined municipal facility that will include a new police station, ambulance garage, and public works yard as well as the creation of additional open space.	To Be Scheduled	East Boston	5,400,000	No
East Eagle Street Shoreline	Shoreline stabilization along Chelsea Creek near East Eagle Street.	To Be Scheduled	East Boston	100,000	No
Facility Master Plan	Develop a facility master plan and programming study that addresses department operations requirements at 1010 Mass Avenue, 112 & 115 Southampton Street, and at Frontage Road.	New Project	N/A	400,000	No
Family Justice Center	Upgrade elevator.	New Project	Allston/Brighton	350,500	No
Faneuil Hall	Replace East Elevation third floor windows.	To Be Scheduled	Government Center/Faneuil Hall	310,000	No
Former Area B-2 Police Station	Environmental remediation and demolition of former Dudley Square police station.	In Construction	Roxbury	1,610,000	No
Parking Lot Improvement	Expand Blair lot parking area in Dudley Square in support of the new municipal center building.	In Design	Roxbury	1,400,000	No
Underground Storage Tanks	Closeout phase for 12 remaining UST locations. Three sites to be permanently closed. Nine sites to undergo activities for close out or long term monitoring.	Annual Program	Citywide	2,362,227	No
<u>Public Health Commission</u>					
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to Public Health Commission facilities including roofs, windows, masonry, and electrical and HVAC systems.	Annual Program	Citywide	3,000,000	No
EMS Garage/Storage Facility	Design and construct a storage facility for EMS emergency operations equipment.	In Design	Mattapan	4,950,000	No
EMS Station Study	Programming and siting study for a new Emergency Medical Services (EMS) facility in the Innovation District.	New Project	South Boston	100,000	No
Finland Building	Connect building heating system to private steam service and install a rooftop heat reducer unit. Install a new chiller to provide chilled water for building cooling system.	In Design	South End	2,837,000	No
Long Island Administration Building	Building envelope repairs including foundation repairs, masonry repointing, repair and / or replacement of windows, and bathroom upgrades.	In Construction	Harbor Islands	2,400,000	No
Long Island Pier	Improve water access to the island for Public Health Commission operations.	In Design	Harbor Islands	1,150,000	No
Long Island Tunnels	Conduct a comprehensive condition survey of tunnel system connecting various buildings on Long Island.	New Project	Harbor Islands	75,000	No
South End Fitness Center Pool	Install a rain screen wall and added ventilation. Replace doors and exterior windows, concrete work to pool to repair leaks.	New Project	South End	1,129,000	No
Tobin and Morris Buildings	Design heating and cooling systems that may include geothermal or conventional system solutions.	To Be Scheduled	Harbor Islands	850,000	No
Tobin Building Roof	Replace original tar and gravel roof.	New Project	Harbor Islands	1,125,000	No
Woods Mullen Shelter	Design and install an independent heating and cooling system.	In Design	South End	2,950,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Public Works Department					
ADA/AAB Pedestrian Ramps	Install or reconstruct pedestrian ramps to conform to current Americans With Disabilities Act and Architectural Access Board regulations.	Annual Program	Citywide	20,950,000	No
Alford Street Bridge	Replace the bridge. State and federal construction funding awarded.	In Construction	Charlestown	63,592,507	No
American Legion Bridge	Design and construction management of bridge replacement, with state construction funding awarded.	In Construction	Mattapan	3,350,000	No
Blossom Street Lighting	Street lighting, median, sidewalk and roadway improvements to Blossom Street east of Cambridge Street.	To Be Scheduled	West End	1,000,000	No
Bridge Repairs	Ongoing repairs at various City-owned bridges as needed.	Annual Program	Citywide	21,963,561	No
Bulfinch Triangle Street Improvements	Street, sidewalk and lighting improvements and repairs in the Bulfinch Triangle area including Canal Street, Lancaster Street, Friend Street, Portland Street, and Valenti Way.	In Construction	West End	1,500,000	No
Calumet Square	Improve the intersection of Calumet Street and St. Alphonsus Street.	In Construction	Mission Hill	200,000	No
Cambridge Street Bridge	Inspect bridge and perform repairs as needed.	To Be Scheduled	Charlestown	253,000	No
Central Maintenance Facility Complex	Continued renovations to the building, garage and grounds. FY15 projects include design for garage floors 1-4, elevator replacement and north storefront entrance window replacement.	In Construction	South End	21,160,673	No
Central Maintenance Facility Vehicle Wash	Design and construct a new vehicle washing facility.	In Construction	South End	7,704,225	Yes
Choice Neighborhood	Reconstruction or resurfacing of various streets in the Choice Neighborhood.	In Design	Roxbury	3,130,000	No
Commonwealth Avenue Design	Design for the reconstruction of Commonwealth Avenue (Phase 3 and 4), from Packard's Corner to Kelton Street, with the addition of a cycle track. State construction funding anticipated.	In Design	Arlington/Brighton	2,700,000	No
Connect Historic Boston	Federal Grant (TIGER) supported roadway and sidewalk reconstruction project, including improvements to Constitution Road, Joy Street, Blackstone Block, as well as a bike trail/cycle track connecting Commercial, Causeway and Staniford Streets.	In Design	Various neighborhoods	26,043,700	No
Critical Facility Repairs	A critical repair fund to be used for emergency repairs to Public Works Department facilities including roofs, windows, masonry, and electrical and HVAC systems.	Annual Program	Citywide	1,100,000	No
Crossroads Initiative	The initiative is a program of street improvements surrounding and adjacent to the Rose Kennedy Greenway. Construction is nearly complete on Broad St and design is underway on Summer and Congress streets.	In Design	Financial District/Downtown	35,168,776	No
Dana Avenue Bridge	Design for bridge rehabilitation.	In Design	Hyde Park	360,000	No
Downtown Business Improvement District	Roadway, sidewalk and street lighting improvements in the Downtown Business Improvement District.	In Design	Financial District/Downtown	1,000,000	No
Freedom Trail	Design and construction for improvements related to accessibility issues on the Freedom Trail.	In Design	Various neighborhoods	700,000	No
Gardner Street Landfill Phase IA	Design and cap landfill areas at Millennium Park and West Roxbury Education Complex.	In Design	West Roxbury	10,174,000	No
Green Stormwater Management Projects	Install a pervious pavement system to support groundwater recharging on a public alley and reconstruct certain sidewalks with permeable materials.	In Design	South End	400,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Public Works Department					
Long Island Bridge Repairs	Design and construct repairs to bridge to maintain current load ratings.	In Construction	Harbor Islands	26,000,000	No
Long Island Bridge Replacement	Replace existing bridge.	New Project	Harbor Islands	35,000,000	No
Madison Park Village	Reconstruction of various streets in the Madison Park Village of Roxbury, bounded by Melnea Cass Boulevard and Tremont Street.	New Project	Roxbury	3,050,000	No
Main Street Business District	Revitalization of Public Works assets in Main Street Business Districts, including improvements to sidewalks, pedestrian ramps, crosswalks and roadways.	New Project	Various neighborhoods	2,000,000	No
Massachusetts Avenue Bridge at Commonwealth Avenue	Design bridge repairs. State and federal construction funding anticipated.	In Design	Back Bay	13,538,974	No
Neighborhood Commons	Creation of public neighborhood gathering spaces, utilizing site improvements to roadway surfaces within the public right of way.	To Be Scheduled	Citywide	500,000	No
Neighborhood Safety Program	Roadway intersection improvement program, including geometric changes and traffic control improvements to increase vehicular and pedestrian traffic safety in coordination with the Boston Transportation Department.	New Project	Various neighborhoods	1,500,000	No
Non-Participating Fund	Funding to pay for non-participating items in federal/state roadway projects in the City of Boston.	Annual Program	Various neighborhoods	7,717,000	No
North Square	Redesign the key junction of North Street, Sun Court, Moon Street, Garden Court and Prince Street.	To Be Scheduled	North End	2,500,000	No
North Washington Street Bridge	Design rehabilitation of bridge. State and federal construction funds anticipated.	In Design	Charlestown	59,410,276	No
Old Colony Housing Roadways	Reconstruction of roadways in the redevelopment of the Old Colony housing development.	In Construction	South Boston	4,165,156	No
Old Northern Avenue Bridge	Planning, design, and ongoing repairs to bridge. Federal funds anticipated.	In Design	South Boston	17,432,566	No
Retaining Walls	Dedicated repair fund for the City's retaining walls.	In Design	Citywide	1,200,000	No
Roadway Reconstruction	Includes road reconstruction, sidewalk reconstruction, and traffic signal replacement where appropriate.	Annual Program	Citywide	65,521,866	No
Roadway Resurfacing	Annual citywide roadway resurfacing program.	Annual Program	Citywide	48,027,312	No
Roadway Utility Restoration	Repair and repave roadway damaged by utility companies.	Annual Program	Citywide	31,279,409	No
Safe Routes to Parks	Enhance streets and sidewalks adjacent to park improvement projects in coordination with the Parks Department and the Transportation Department.	Annual Program	Citywide	600,000	No
Seaver Street	Design and construction funding for street reconstruction and addition of bicycle facilities.	In Design	Roxbury	6,500,000	No
Sidewalk Reconstruction	Various sidewalk and pedestrian ramp repairs and reconstruction.	Annual Program	Citywide	41,959,270	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Public Works Department					
Street Light Gas Lamps	Using subsidies from National Grid, this program is designed to retrofit solar powered timers to activate gas lamp street lights.	New Project	Various neighborhoods	1,000,000	Yes
Street Light LED Conversion	A City-wide project to convert mercury and sodium vapor streetlights to light emitting diode (LED) lights.	In Construction	Citywide	23,100,000	Yes
Street Lighting Division Facility	Design and construct a new Street Lighting Division facility.	In Design	Mattapan	17,000,000	No
Street Lighting Installation	Installation of street lights in various locations.	Annual Program	Citywide	14,906,329	No
Sullivan Square / Rutherford Avenue	Engineering and design services to provide for other transportation alternatives with the demolition of the overpass. State and federal funding anticipated.	In Design	Charlestown	14,100,000	No
Symphony Area Streetscape	Design roadway and sidewalk improvements adjacent to Symphony Hall. State and federal construction funding.	In Design	Fenway/Kenmore	4,000,000	No
Traffic Signals On-Call Repair and Maintenance	On call maintenance of traffic signals.	Annual Program	Citywide	1,300,000	No
Uphams Corner	Redesign the intersection of Columbia Road, Dudley Street, and Stoughton Road.	In Construction	Dorchester	3,800,000	No
West Roxbury Gateway	Create a new gateway to West Roxbury at the intersection of Spring Street and the VFW Parkway.	To Be Scheduled	West Roxbury	100,000	No
Woodbole Housing	Reconstruct roads, sidewalks, pedestrian ramps, and street lighting at the Woodbole / Gallivan housing development.	In Construction	Mattapan	2,138,441	No
School Department					
Access Improvements At Beethoven School	Access improvements include the installation of a new elevator, bathroom upgrades, ramp access to the auditorium, installation of a new fire alarm system, as well as door and signage improvements.	In Construction	West Roxbury	3,088,131	No
Access Improvements at Harbor/Henderson	Accessibility renovations including wheelchair ramps, elevator, bus turnaround, and bathrooms.	New Project	Dorchester	3,354,317	No
Alighieri School Building	Asset preservation of former Alighieri School includes new windows, masonry pointing and plumbing improvements.	In Construction	East Boston	1,600,000	No
Boston Latin Academy	Renovate classrooms to establish new science labs. Install new intercom and public address system.	In Construction	Roxbury	1,550,000	No
Charlestown High School	Replace HVAC system. Upgrade interior lighting, electrical system and controls, improve accessibility, and update student and faculty bathrooms.	In Construction	Charlestown	32,559,670	Yes
Critical Facility Repairs	A critical repair fund for emergency repairs to school facilities including roofs, windows, masonry, electrical and HVAC systems.	Annual Program	Citywide	4,603,122	No
Data Center at Campbell Resource Center	Expand current back-up data center located at Campbell Resource Center. Scope includes code required enhancements and alterations.	In Construction	Dorchester	350,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
School Department					
Dearborn 6-12 STEM / Early College Academy	Design and construct a new STEM (Science, Technology, Engineering and Mathematics) school for grades 6 through 12 on the site of the current Dearborn School. The MSBA will partner with the City in the development and funding of this new school.	In Design	Roxbury	73,498,295	No
Door Replacement at Various Schools	Replace interior and exterior doors, hardware and classroom partitions at various school locations, including the Hennigan, Otis, and Winship.	Annual Program	Various neighborhoods	6,224,037	No
Electrical Improvements at Various Schools	Electrical improvements and upgrade egress signage at various schools including the Dorchester Academy, and Condon.	Annual Program	Various neighborhoods	3,550,000	No
Eliot at 585 Commercial Street	Purchase property located at 585 Commercial Street. Renovate facility to use as classroom space during the Eliot School expansion project and afterwards.	In Construction	North End	36,250,000	No
Eliot School at North Bennet Street	Renovate North Bennet Street buildings which will provide additional classrooms to support the Eliot School's expansion as a K to 8 school.	In Design	North End	23,018,867	Yes
Exterior Renovations at Various Schools	Repair and replace exterior components including doors, lighting, or exterior site components such as stairs, walkways, and retaining walls at various schools including the Cleveland, Mildred Avenue, and New Boston Pilot Middle School.	Annual Program	Various neighborhoods	3,453,898	No
Fenway High School	Renovate existing building including new fire safety systems and construction of an addition to support cafeteria/auditorium.	In Construction	Mission Hill	12,000,000	No
Fire Systems at Various Schools	Upgrade or replacement of the fire alarm and/or fire protection system at various school buildings including the Rogers and Edison.	Annual Program	Various neighborhoods	8,800,000	No
HVAC Improvements at Dorchester Academy	Install new roof top HVAC units at the former Cleveland building.	To Be Scheduled	Dorchester	450,000	No
HVAC Improvements at Various Schools	Replace boilers at the Perry School and the P. Shaw School. Replace the DDC controls and HVAC units at various schools including the Irving, Greenwood, and Curley.	Annual Program	Various neighborhoods	10,165,586	No
Interior Refurbishments at Various Schools	Interior improvements at various schools including Edwards, Mary Lyon, McKay, and Murphy.	Annual Program	Various neighborhoods	2,921,120	No
Masonry Repairs at Various Schools	Exterior masonry restoration at the Garfield, Mary Lyon and Mason schools.	Annual Program	Various neighborhoods	14,598,380	No
Plumbing Improvements at Various Schools	Bathroom and other plumbing improvements at various schools including Mason and Sumner.	Annual Program	Various neighborhoods	2,530,000	No
Quality Improvement Fund for Schools	Capital investment program targeting facility improvements at the Muniz Academy, Alighieri, BATA, ACC, Adult Ed. and P.A. Shaw.	Annual Program	Various neighborhoods	15,300,000	Yes
Quincy Upper Pilot School / Boston Arts Academy	Design and construct a new combined Quincy Upper Pilot School and Boston Arts Academy. The City will partner with the MSBA in development and funding of the new schools.	In Design	Chinatown	17,137,330	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>School Department</u>					
Roof Replacement at Various Schools	Replace roofs at various school locations including the Dever, Channing, DSNS, Eliot, Garfield, and Rogers Schools.	Annual Program	Various neighborhoods	9,750,000	No
School Facilities Master Plan	Develop a comprehensive, strategic long-range facilities master plan for Boston Public Schools that is cognizant of needs across all neighborhoods and anticipates shifts in the student population.	New Project	Various neighborhoods	1,600,000	No
School Yard at Haynes EEC	Design and construction of school yard improvements.	In Construction	Roxbury	450,000	No
School Yard at King School	Redesign and construction of King School Play Area.	In Design	Roxbury	850,000	No
School Yard Improvements	Design and construction of school yard improvements.	Annual Program	Various neighborhoods	3,836,232	No
School Yard Repairs	Repairs and refurbishment of previously completed Boston Schoolyard Initiative sites.	Annual Program	Various neighborhoods	1,400,000	No
Security Related Improvements at Various Schools	Install intercom and clock systems, re-key doors, expand card access, replace exterior and various smoke doors, install motion detectors and other security related improvements.	Annual Program	Various neighborhoods	2,071,000	No
Technology Infrastructure	Upgrade technology infrastructure including sensors, wireless access points, routers, switches, network equipment, data drops, and electrical repairs for schools and the new Dudley Municipal Building.	Implementation Underway	Citywide	12,600,000	No
Umana School	Replace roof.	In Construction	East Boston	6,155,000	No
Window Replacement At Various Schools	Replace atrium window at English High and window balances at various other schools citywide.	Annual Program	Various neighborhoods	2,500,000	No
<u>Transportation Department</u>					
Accessible Pedestrian Signals	Purchase and install APS devices for new construction, major reconstructions, and by request as outlined in the City's response to the federal mandate.	Annual Program	Citywide	1,750,000	No
BTD Tow Lot Facility	Repairs and upgrades to building envelope and tow lot.	New Project	South Boston	6,000,000	No
Central Square	Urban redesign and improvements for Central Square including the intersections at Meridian and Saratoga Streets, and Porter and Bennington Streets.	In Design	East Boston	6,300,000	No
Centre Street / South Street	Redesign Centre Street and South Street in Jamaica Plain using a Complete Streets approach.	In Design	Jamaica Plain	400,000	No
Dudley Street	Roadway improvements from Shawmut Avenue to Harrison Avenue including six key Dudley Square intersections. The scope of work includes geometric changes, new traffic signal equipment and timing, bike lanes, and streetscape improvements.	In Design	Roxbury	9,000,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Transportation Department					
Fenway Longwood Kenmore Improvements	Infrastructure improvements for Boylston Street and Audubon Circle. Develop a bicycle and pedestrian path connecting the Riverway with Fenway and Yawkey Stations.	To Be Scheduled	Fenway/Kenmore	12,500,000	No
Innovation District Mobility Action Plan	Design a network of bus/shuttle and bicycle points, car-share and bicycle share stations, electric vehicle charging stations, peak-time corridors, and information panels in the Innovation District.	To Be Scheduled	South Boston	250,000	No
Meinea Cass Boulevard	Reconstruct Meinea Cass Blvd. in conjunction with the South Bay Harbor Trail project. State and federal construction funding anticipated.	In Design	Roxbury	4,450,000	No
Mobility Improvement Corridors	Improve traffic flow along selected congested corridors.	In Design	Citywide	150,000	No
Municipal Parking Lots	Lighting, paving, re-striping, and other upgrades to municipal parking lots citywide.	In Construction	Citywide	1,400,000	No
South Bay Harbor Trail	Design and construct an important link in the City's Greenway, connecting trails from the Fenway, the Southwest Corridor, Charles River Park, Broadway Bridge, and the Central Artery parks.	In Design	South End	3,850,000	No
Strategic Bicycle Network Project	Maximize usage in existing high volume bike lanes via construction of bike lane extensions and connections with the Esplanade, the Jamaicaway, the Southwest Corridor, and the future South Bay Harbor Trail into downtown Boston destinations.	In Design	Citywide	6,602,763	Yes
Traffic Signal Construction Projects	Install new or upgrade existing traffic signals and controls, and communications, detection and monitoring equipment and systems at multiple bundled locations.	In Construction	Citywide	3,076,698	No
Traffic Signal Control Boxes	Purchase and install traffic signal control boxes.	Annual Program	Citywide	3,018,432	No
Traffic Signal Corridor Re-Timing Program	Retime traffic signal equipment along arterial corridors to improve traffic flow.	Annual Program	Citywide	1,450,000	No
Traffic Signal Equipment On-Call	Install new or upgrade existing traffic signals and controls, and communications, detection and monitoring equipment and systems based on in-house design plans.	Annual Program	Citywide	12,070,161	No
Traffic Signals at 17 Locations	Upgrade traffic signal equipment at 17 locations.	In Design	Citywide	450,907	No
Traffic Signals Battery Backup	Design, procurement, and installation of battery backup equipment for traffic signal boxes.	Annual Program	Citywide	690,000	No
Traffic Signals Design Services	Design services for traffic signals throughout the City.	Annual Program	Citywide	2,150,000	No
Transportation Planning	Develop neighborhood or strategic transportation action plans including traffic flow, major arterials, pedestrian safety, parking, bicycle access and regional project plans.	Annual Program	Citywide	2,107,237	No
Warren Street and Blue Hill Avenue	Reconstruct Warren Street and Blue Hill Avenue (Dudley Square to Talbot Avenue) to improve connections to Grove Hall. State and federal construction funding anticipated.	In Design	Roxbury	2,700,000	No

City of Boston
Outstanding Principal by Statute as of April 30, 2014

Statute:		Outstanding @ April 30, 2014	Percent of Total Outstanding Debt
General Purpose:			
C44 s7 (13)	Acquisition of Fire or Police Boats	1,961,312	0.164
C44 s7 (20)	Acquisition of Land; Cemeteries	294,090	0.025
C44 s7 (21)	Architectural Services for Plans & Specs	8,500	0.001
C44 s7 (22)	Engineering or Architectural Services	5,460,585	0.456
C44 s7 (25)	Acquisition of Land; Parks and Playgrounds	79,643,068	6.644
C44 s7 (28)	Computer Hardware	48,080,658	4.011
C44 s7 (29)	Computer Software	13,423,783	1.120
C44 s7 (9)	Departmental Equipment	11,160,994	0.931
C44 s7 (3B)	Energy Conserv., Alternative Energy Improvements	1,838,063	0.153
C659 Acts 1986	BCH - Constr., Equipping, Furnishing	22,760,000	1.899
		\$ 184,631,052	15.403
Urban Development:			
C121B s20	Urban Redevelopment and Renewal	\$ 9,424,180	0.786
C1097 s11 Acts 1971	Economic Development and Industrial Corp.	4,358,236	0.364
		\$ 13,782,416	1.150
Schools:			
C645 s8 Acts 1948	School Project Loan	\$ 33,359,042	2.783
C642 s7B Acts 1991	Capital Improvements; Act of 1991	2,619,511	0.219
C642 s7C Acts 1996	Capital Improvements; Act of 1996	10,699,432	0.893
		\$ 46,677,985	3.894
Public Buildings:			
C44 s7 (3)	Construction of Buildings; Acquisition Of Land	\$ 214,305,213	17.879
C44 s7 (3A)	Remodeling and Extraordinary Repairs	499,620,803	41.681
C152, Act '97	Convention Center Refunding Bond	32,965,000	2.750
C642 s7A Acts 1973	Capital Improvements; Act of 1973	6,952,023	0.580
C642 s7B Acts 1991	Capital Improvements; Act of 1991	3,451,572	0.288
C642 s7C Acts 1996	Capital Improvements; Act of 1996	22,665,549	1.891
		\$ 779,960,160	65.069
Public Works:			
C44 s7 (1)	Construct/Re-Construct of Surface Drains, Sewers, etc.	\$ 1,877,884	0.157
C44 s7 (4)	Construction and/or Re-Construction of Bridges	49,728,723	4.149
C44 s7 (5)	Construction of Public Ways	53,113,532	4.431
C44 s7 (6)	Construction of Sidewalks	5,365,381	0.448
C44 s7 (7)	Construction of Walls or Dikes	133,571	0.011
C44 s7 (14)	Traffic Signal and Public Lighting Install., etc.	53,159,436	4.435
C44 s8 (4)	Reservoir Constr/Enlrg; Water Trmt Bldgs	953,357	0.080
C44 s8 (5)	Water Mains Laying, Re-Laying, Construct.	4,061,643	0.339
C44 s8 (7A)	Water Meter Purchase & Installation	107,887	0.009
C44 s8 (7C)	Water Dept. Equip.; Purchase, Replace., Rehab.	807,428	0.067
C44 s8 (24) C29C	Landfill; Closing, Opening, Improve. to (MWPAT)	4,304,544	0.359
		\$ 173,613,386	14.484
Grand Total = \$		1,198,665,000	100.00 %

CITY of BOSTON
BOND - GROSS DEBT SERVICE PAYMENTS

@ April 30, 2014

- Stated in Five Year Intervals -

(\$ in thousands)

DATE OF ISSUE	TYPE	AMOUNT ISSUED	FY'14 through FY'19		FY'20 through FY'24		FY'25 through FY'29		FY'30 through FY'34		FY'14 through FY'34	
			Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
March 26, 2014	GO	119,085	38,170	22,984	33,395	14,309	25,160	7,256	22,360	2,731	\$119,085	\$47,280
March 26, 2014	GO/Dudley	33,915	5,940	6,627	7,460	5,109	9,315	3,257	11,200	1,368	\$33,915	\$16,361
March 14, 2013	GO	109,095	33,100	19,169	30,100	11,033	21,525	5,185	18,110	1,378	\$102,835	\$36,765
March 14, 2013	GO/Dudley	35,760	6,485	6,408	8,265	4,618	10,245	2,636	9,585	730	\$34,580	\$14,392
March 14, 2013	REF	24,380	50	3,646	13,100	2,975	7,490	300	0	0	\$20,640	\$6,921
October 12, 2012	GO/Dudley	28,865	5,615	4,125	6,835	2,904	8,085	1,653	7,340	446	\$27,875	\$9,128
May 4, 2012	BCH REF	26,945	22,760	2,840	0	0	0	0	0	0	\$22,760	\$2,840
April 2, 2012	GO	121,975	41,900	19,159	32,225	9,975	19,945	4,498	11,600	940	\$105,670	\$34,572
April 2, 2012	REF	83,155	36,555	11,993	24,895	3,137	0	0	0	0	\$61,450	\$15,130
April 1, 2011	Conv Ctr Ref	38,295	10,525	5,985	13,270	3,236	9,170	728	0	0	\$32,965	\$9,949
April 1, 2011	GO	86,190	27,715	12,172	19,080	6,253	14,600	3,006	6,080	390	\$67,475	\$21,821
April 1, 2011	QSCB	41,620	2,885	8,950	23,140	7,298	15,595	1,037	0	0	\$41,620	\$17,285
April 1, 2011	REF	14,425	5,800	347	0	0	0	0	0	0	\$5,800	\$347
April 1, 2010	BAB	30,905	0	7,505	12,100	6,707	15,485	3,269	3,320	178	\$30,905	\$17,659
April 1, 2010	GO	39,995	15,200	2,642	3,250	324	595	82	120	5	\$19,165	\$3,053
April 1, 2010	QSCB	17,415	0	4,423	10,455	3,915	6,960	550	0	0	\$17,415	\$8,888
April 1, 2010	Ref	68,345	35,830	9,286	27,025	1,820	0	0	0	0	\$62,855	\$11,106
April 1, 2010	RZEDB	16,685	9,050	2,971	4,925	1,200	2,280	440	430	23	\$16,685	\$4,634
November 4, 2009	QSCB	20,000	0	0	0	0	20,000	0	0	0	\$20,000	\$0
May 27, 2009	REF	31,485	20,815	1,574	0	0	0	0	0	0	\$20,815	\$1,574
March 18, 2009	GO	100,000	26,050	13,635	21,095	7,712	21,745	3,093	0	0	\$68,890	\$24,440
March 18, 2009	REF	8,940	8,915	1,568	0	0	0	0	0	0	\$8,915	\$1,558
March 20, 2008	GO	126,185	31,065	17,933	28,210	10,583	25,170	3,223	0	0	\$84,445	\$31,739
March 20, 2008	REF	28,155	2,745	110	0	0	0	0	0	0	\$2,745	\$110
March 22, 2007	GO	100,000	25,105	6,873	4,180	3,347	13,570	989	0	0	\$42,855	\$11,209
March 22, 2007	REF	85,425	41,860	14,077	41,150	2,782	0	0	0	0	\$83,010	\$16,859
January 31, 2006	GO	80,000	11,350	1,086	0	0	0	0	0	0	\$11,350	\$1,086
February 1, 2005	GO	75,000	7,215	511	0	0	0	0	0	0	\$7,215	\$511
February 1, 2005	REF	52,775	17,480	1,557	0	0	0	0	0	0	\$17,480	\$1,557
February 1, 2004	GO	65,000	0	0	0	0	0	0	0	0	\$0	\$0
February 1, 2004	REF	35,870	2,440	122	0	0	0	0	0	0	\$2,440	\$122
February 1, 2003	REF	28,515	0	0	0	0	0	0	0	0	\$0	\$0
February 1, 2003	GO	25,000	0	0	0	0	0	0	0	0	\$0	\$0
February 1, 2003	GO	33,500	0	0	0	0	0	0	0	0	\$0	\$0
February 1, 2003	GO	75,000	0	0	0	0	0	0	0	0	\$0	\$0
October 15, 1999	MM/PAT	13,389	3,955	729	855	24	0	0	0	0	\$4,810	\$753
% of Total Principal and Interest Retired in 5 Years:			\$496,575	\$210,997	\$365,010	\$109,261	\$246,935	\$41,202	\$90,145	\$8,189	\$1,198,665	\$369,649
% of Total Principal and Interest Retired in 10 Years:			\$707,572	\$474,271	\$288,137	\$288,137	\$288,137	\$288,137	\$98,334	\$98,334	\$1,568,314	\$1,568,314
% of Total Principal and Interest Retired in 15 Years:			41.4%	57.1%	86.6%	86.6%	92.5%	92.5%	97.8%	97.8%	100.0%	100.0%
% of Total Principal and Interest Retired in 20 Years:			100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

CITY OF BOSTON - DEBT SERVICE REQUIREMENTS - FISCAL YEARS 2013 through 2019

Gross Debt Service Requirements - Bonded Debt:

	Actual FY13	Projected FY14	Projected FY15	Projected FY16	Projected FY17	Projected FY18	Projected FY19
Total Principal:	100,135,000.00	104,395,000.00	107,660,000.00	115,320,000.00	123,000,000.00	128,970,000.00	133,625,000.00
Total Interest:	45,391,370.76	53,221,933.26	54,736,245.84	56,661,316.64	57,898,348.65	58,874,236.94	59,911,019.30
(1) Total:	145,526,370.76	157,616,933.26	162,396,245.84	171,981,316.64	180,898,348.65	187,844,236.94	193,536,019.30
<u>Less: Revenue Deemed Available from Related Sources:</u>							
Boston Medical Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boston Public Health Commission	527,203.26	211,477.71	182,393.13	0.00	0.00	0.00	0.00
Water and Sewer Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2) Premium, Subsidies, Other	9,763,713.96	10,322,202.30	8,481,100.18	3,637,388.10	3,587,686.98	3,506,090.29	3,422,221.56
Accrued Interest	0.00	0.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
(3) Irrigation Project	223,246.26	214,914.96	206,501.24	199,022.83	190,284.93	116,364.90	9,149.49
(4) 1010 Massachusetts Avenue Project	1,856,743.05	1,886,303.56	2,285,655.98	2,265,029.18	2,220,936.61	2,168,216.83	1,947,260.57
(5) Pension Management System	2,693,958.90	1,858,098.43	1,858,296.67	1,859,214.08	1,859,140.89	1,857,900.22	1,857,301.62
(6) Room Occupancy Excise Fund	3,298,625.00	3,300,375.00	0.00	0.00	0.00	0.00	0.00
<u>Plus: Interest on Temporary Loan Notes and Additional Terms:</u>							
Revenue Anticipation	0.00	1,704,400.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00
Cost of Issuance	47,227.50	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00
Dudley Sq. Site / Sec. 108	505,000.00	505,000.00	505,000.00	505,000.00	505,000.00	505,000.00	0.00
Sinking Fund for Nov., 2009 QSCB	1,454,545.44	1,454,545.44	1,454,545.44	1,454,545.44	1,454,545.44	1,454,545.44	1,454,545.44
School B.A.N.'s	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Debt Service/Budget Summary:	129,169,653.27	143,987,506.74	154,741,844.08	169,380,207.89	178,399,844.68	185,555,210.14	191,154,631.50

Additional Adjustments:

Less:							
School Construction Assistance	8,784,815.00	8,474,584.00	8,175,513.00	7,344,337.00	6,720,152.00	6,720,147.00	5,107,351.00
Total Net Debt Service Requirements:	120,384,838.27	135,512,922.74	146,566,331.08	162,035,870.89	171,679,692.68	178,835,063.14	186,047,280.50

NOTES:

- FY14 - the City issued:
\$153 million in General Obligation Bonds with a 20-year maturity and an average coupon rate of 4.43%; closing date: March 26, 2014.
This issuance includes \$33,915 million issued for the Dudley Project.
- Assumptions:
FY15 - Assumes General Obligation debt issuance of \$140 million, with a 20 year maturity and an interest rate of 4.5 %.
FY16 and FY17 - Assumes General Obligation debt issuance of \$140 million per year, each with a 20 year maturity and an interest rate of 5.0 %.
FY18 and FY19 - Assumes General Obligation debt issuance of \$140 million per year, each with a 20 year maturity and an interest rate of 5.25 %.
- An estimated Subsidy reduction to ARRA-related issuances of 7.2% per year from FY2015 through FY2023 has been applied in response to IRS withholding notification in 12/2013.
Note: in FY13, \$153,434.23 was withheld, and in FY14, \$253,960.06 is expected to be withheld; however, for reporting purposes, original amounts are displayed.
- Debt Service Costs will be offset by the "Fund for Parks and Recreation".
- Debt Service Costs will be offset by charging City departments for the space they occupy.
- Debt Service Costs will be offset by semi-annual payments from the Retirement Board.
- Debt Service Costs will be offset by semi-annual payments from the Retirement Board.
- On April 1, 2011, the City refunded the remaining balance of the April 15, 2002 Special Obligation Bonds for the Convention Center.
Pledged revenues will be dedicated to the repayment of the debt service.

<p>CITY of BOSTON RATE of PRINCIPAL RETIREMENT on GENERAL OBLIGATION BONDS</p>

Fiscal Years Ending June 30, 2014 - 2034
@ APRIL 30, 2014

<u>Fiscal Year Ended June 30,</u> @ 4/30/14	<u>Amount</u>	<u>Percentage of Total Principal Amount Retired:</u>
2014 - 2019	\$ 496,575,000.00	41.43 %
2020 - 2024	365,010,000.00	30.45 %
2025 - 2029	246,935,000.00	20.60 %
2030 - 2034	90,145,000.00	7.52 %
	<u>\$ 1,198,665,000.00</u>	<u>100.00 %</u>

