

Capital Planning

INTRODUCTION

Imagine Boston 2030, the City's first comprehensive planning process in fifty years is underway. Four goals have emerged that will help guide Boston's growth:

- Provide quality of life in accessible neighborhoods.
- Drive inclusive economic growth.
- Invest in infrastructure, open space and culture.
- Promote a healthy environment and adapt to climate changes.

The City's capital plan is an important tool in realizing the goals and vision of Boston 2030. As an investment program for the future, "Building A Better Boston" will enable the City to identify, prioritize, and implement capital projects aligned with Boston 2030's goals.

The FY17-FY21 capital plan initiates early action items from completed plans, reserves funding capacity for future projects that will emerge from ongoing planning processes such as Build BPS – the 10-year facilities master plan for Boston Public Schools, and embraces a new model for implementing and financing energy efficiency projects.

This capital plan makes new investments in the City's parks, libraries, streets, and other infrastructure. These new investments are possible due to a reevaluation of all future projects relative to immediate need, increasing annual borrowing within the City's debt affordability policy, utilizing the Parking Meter Fund to support a portion of the Northern Avenue Bridge project, and applying the City's one-time FY16 snow surplus toward one-time capital projects.

The FY17-21 capital plan includes 327 projects that will keep Boston healthy, thriving, and innovative through investments in education, public safety, parks, transportation, and community spaces.

FY17-FY21 EXPENDITURES

The City is responsible for maintaining a large inventory of capital assets, including roads, bridges, schools, parks, libraries, public safety equipment, city buildings and more. The City's capital investments enhance our neighborhoods, improve mobility, support the academic agenda of our schools and reinforce public safety with quality emergency response tools.

These capital investments are planned and funded through the City's capital budget, which is separate and distinct from the annual operating budget, as the capital plan is primarily funded by borrowing through the issuance of bonds within the City's fiscally responsible debt affordability limits.

Project Highlights

Parks: New investments in this plan allow for the launch of Parks First, a comprehensive initiative ensuring that Boston's open spaces are among the most accessible and equitable. Franklin Park, Boston's largest open space, will see \$5 million in pathway and entrance improvements over the next two years. The improved pathways will enable more people to enjoy this Emerald Necklace Park.

Ninety-seven percent of Bostonians live within a 10-minute walk of a park, but those spaces are only equitable if they serve the diverse needs of the City's residents. Inclusive design and a comprehensive whole park approach are needed for many of our open spaces. Major investments are proposed at Smith Playground in Allston, Noyes Park in East Boston, and Garvey Playground in Dorchester.

This year the first phase of a comprehensive redesign of the 45-acre Harambee Park will begin. The renovation will include environmental improvements, pedestrian pathways, field renovations and entrance improvements that will transform Harambee into a premier example of community-led comprehensive planning.

Other new projects include Ramsay Park in the South End, a project that resulted out of the advocacy of dedicated young people; Martin's Park in South Boston, a new park in honor of Martin Richard that will feature an inclusive playground. Funds for the park will be provided through City, state, and private sources.

Park projects that are currently underway or will be in construction this year include Marcella Playground, Parkman Playground, Roberts Playground, Allandale Woods, Winthrop Square, John Harvard Mall, Rachael Revere Square, and Boston Common Parkman Plaza.

Schools: The City is moving forward on three school building projects in partnership with the Massachusetts School Building Authority (MSBA). Construction is underway on the site of the new Dearborn 6-12 STEM Academy. The new school will open in September 2018. The City continues to develop schematic designs for a new Josiah Quincy Upper School as part of an ongoing feasibility study process. The City will begin a feasibility study process for the Boston Arts Academy.

In addition, the MSBA recently authorized its Executive Director to enter into a Project Funding Agreement with the City for window and door replacement projects at seven schools. The MSBA will provide a maximum grant totaling nearly \$16.4 million for this \$25 million project. The project will be completed by fall 2017.

There is also capacity set aside in this plan for spending by a future Boston School Building Authority on major renovation projects that are expected to result from the 10 year facilities master plan currently getting underway.

Upgrades to the Madison Park High School welding shop will be completed; this will accommodate classroom welding with appropriate ventilation and safety equipment.

Public Safety: The facility program for a new police station for East Boston has been finalized and design will begin in FY17, with construction to follow within the five year plan. The Fire Department will start the first phase of their enhanced apparatus replacement schedule; while also beginning to study how to best replace the diesel exhaust systems in firehouses. The Police Department will begin the second year of their radio system replacement.

Streets: In FY17, the City is investing \$3.1 million in Vision Zero – an initiative focused on improving safety,

eliminating serious injuries and fatalities for cyclists and pedestrians through improved roadway design and public education; and the Walkable Streets program which takes a holistic look at pedestrian access by reconstructing long sidewalk sections.

Through ongoing annual programs the Public Works Department will reconstruct five lane-miles of roadway and resurface 40 lane-miles of roadway, install 10 miles of bike lanes and 800 ADA/MAAB-compliant pedestrian ramps, and continue the replacement of existing street light fixtures with LED fixtures. In FY17 the capital plan provides increased funding for roadway resurfacing, sidewalk repairs, and improvements to the Freedom Trail. The reconstruction program includes several large-scale, significant projects, including the \$29 million Connect Historic Boston program, funded in part with a federal grant; Quincy Street as part of the Choice Neighborhood in Roxbury; and a redesigned Central Square in East Boston.

Innovation and Technology: This five-year plan includes a large investment to expand Boston's fiber optic network, which will provide greater connectivity to schools, provide the backbone of the City's free WiFi expansion, and possibly support public safety communications systems. The capital plan also supports increased investments in tools for digital engagement, such as a new redesigned City website; and for data access, data warehousing, reporting, and data visualization that will allow City departments and the public to understand better trends in education, transportation, city services, and more.

Community Spaces: This five-year plan includes full renovations to four BCYF community center facilities: the Paris Street Community Center and Paris Street Pool in East Boston, the Vine Street Community Center in Roxbury, and the Clougherty Pool in Charlestown. The City will also begin a study that will examine the feasibility of building a new community center in the North End. Construction work will begin at the Gallivan Community Center in FY17; the scope of work includes a new roof, gym floor, and air conditioning.

New libraries are planned to replace the existing Adams Street and Uphams Corner branch libraries. Full-scale renovations are underway or planned for the Jamaica Plain, Dudley, Roslindale, and Faneuil branches. A new branch library for Fields Corner is also anticipated. A Chinatown Library study will assess potential locations for the development and/or

delivery of new branch library services. Finally, the \$75 million Johnson Building renovation will be completed this summer.

Renew Boston Trust: This initiative aims to bundle municipal energy efficiency renovation projects and capture the resulting financial savings. The City plans to finance the program with general obligation bonds payable in part with the financial savings resulting from reduced energy consumption. The City expects to implement the program through contracts with Energy Service Companies (ESCOs) that will provide financial guarantees that the energy savings generated by the projects will be sufficient to cover anticipated debt service costs.

FY17-21 PROJECT HIGHLIGHTS AND SEQUENCING

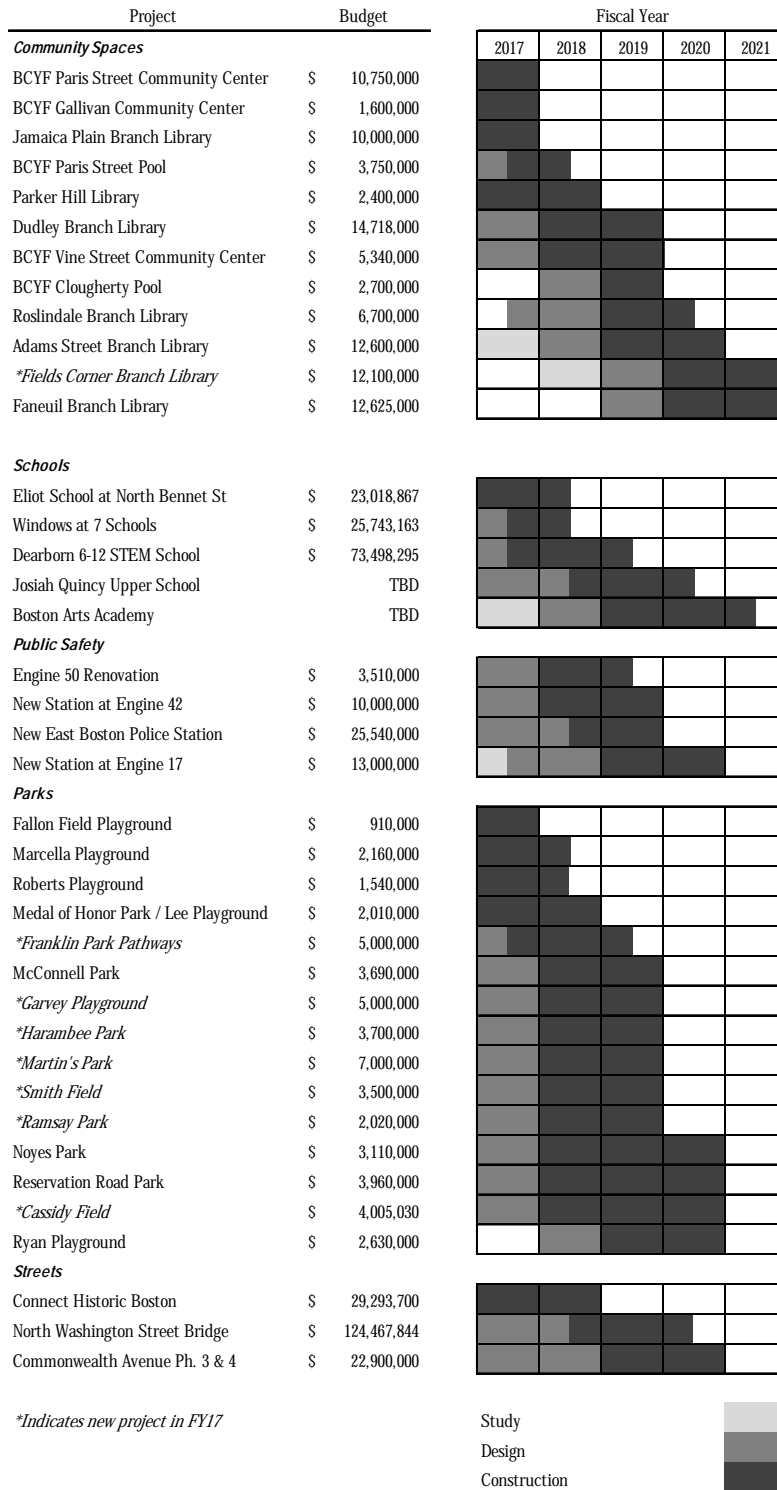


Figure 1

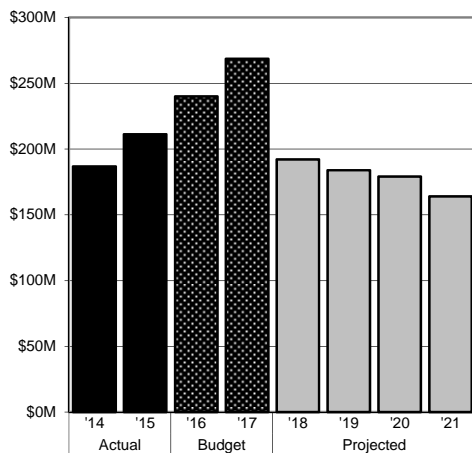
FY17 Expenditure Allocation

The City estimates FY17 capital expenditures will total \$267 million from all sources (see Figure 2).

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 FY17, 33% 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 41% of projected spending, and includes projects such as Connect Historic Boston – the redesign of several Downtown streets with support from a Federal grant – and new equipment for the police radio system.



Capital Expenditures
FY14- FY21

Figure 2

New/Major Renovation: 24% of the FY17 allocations represent major renovations and new buildings. New

FY17-FY21 PROJECT HIGHLIGHTS

New Projects to Launch in FY17

Parks

- Garvey Playground
- Harambee Park
- Paul Revere Mall
- Smith Playground
- Franklin Park Pathways
- Martin’s Park
- Ramsay Park
- McConnell Playground
- Noyes Park

Schools and Community Spaces

- Adams Branch Library
- Uphams Corner Library
- Madison Park High School Welding Shop

In Construction

Parks

- John Harvard Mall
- Fallon Field Playground
- Marcella Playground

Schools and Community Spaces

- Dearborn 6-12 STEM / Early College Academy
- Eliot School expansion
- Jamaica Plain Branch Library Renovation
- Paris Street Community Center Renovation

Streets

- Vision Zero
- Walkable Streets
- Connect Historic Boston

Innovation and Technology

- Digital Engagement Upgrades

Community Spaces

In Design / Studies Underway

Public Safety

- New A-7 Police Station

Schools and Community Spaces

- 10-Year Facilities Master Plan
- Dudley Square Branch Library Renovation
- Gallivan Community Center Upgrades

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. Highlights in this category include a new fire houses at Engine 42 in Roxbury and a new library in Dorchester.

Planning or Matching Funds: About 4% of the FY17 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. Projects in this category include the 10-year master plan for school facilities, a programming study to determine the space needs for modern fire stations, and planning money for the construction of a new North Washington Street bridge, which will help leverage state construction funds.

FINANCING THE FY17-FY21 CAPITAL PLAN

The capital plan is financed with general obligation bond issued by the City, other City funds, state grants, federal grants, and private grants.

General Obligation (G.O.) Bonds

General obligation bonds represent 67.1% of all project funding. This year's plan assumes \$775 million in new general obligation borrowings over the next five years, a 10.7% increase over last year's plan, to support ongoing capital needs and the Renew Boston Trust project. The increase is sustainable within the City's debt affordability policy.

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 \$214.4 million from state programs and \$304.7 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 City entered into a Project Funding Agreement with the MSBA to build a new school on the site of the existing Dearborn School in Roxbury. The MSBA will provide a maximum project grant totaling \$37.4 million or 50.8% of total projects costs.

Two other City projects are currently in the MSBA's process. A feasibility study is underway for the Josiah Quincy Upper School. The schedule calls for a preferred option to be selected in calendar year 2016. A feasibility study will begin for the Boston Arts Academy project.

In March, 2016 the Executive Director of the MSBA was authorized to enter into a Project Funding Agreement with the City for window and door replacement projects at seven schools. The MSBA will provide a maximum grant totaling nearly \$16.4 million.

For the period FY17-21, total payments from the MSBA are estimated at \$21.0 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 FY16, which will be used for major roadway reconstruction projects including Connect Historic Boston and Central Square, for the annual sidewalk and resurfacing program, and for a pavement preservation program that will use inexpensive interventions on deteriorating roadways in order to postpone more costly resurfacing.

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).

Other Funds

Other Funds include both City and non-City sources of project funds. City sources include the Street Opening Account which funds the permanent repair of utility cuts and pavement restoration. City sources also include transfers from the Surplus Property Fund, Parking Meter Fund, and the General Fund. This year, the one-time FY16 snow surplus will be applied to one-time capital projects. Non-City sources of project funds include grants from the Boston Redevelopment Authority for roadway construction or other capital projects, as is the case with Harrison Avenue and Connect Historic Boston. Other funds also include incentive rebates provided by utilities to carry out energy efficiency projects. Altogether, these sources of capital funds are estimated at \$114.8 million.

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 period during which 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 additional descriptive information to help OBM evaluate it.

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 327 new and continuing projects and proposes \$212.6 million in new project authorizations.

Descriptions of all 327 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.

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 programing 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.

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.

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.

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.

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 EverSource, the street lights converted under this program in FY17 are expected to add to the approximately \$4 million in total savings that the program has accomplished.

The Renew Boston Trust initiative aims to bundle municipal energy efficiency renovation projects and capture the resulting financial savings. The City plans to finance the program with general obligation bonds payable in part with the financial savings resulting from reduced energy consumption. The City expects to implement the program through contracts with Energy Service Companies (ESCOs) that will provide financial guarantees that the energy savings generated by the projects will be sufficient to cover anticipated debt service costs. The City has issued an RFP to

select an ESCO and anticipates moving forward on a pilot program in FY17.

The Property Management Department is updating the City Hall heating system. An assessment is underway that will determine the most cost effective and energy efficient solution. The School Department and Fire Department are both pursuing capital projects to save energy and reduce operating costs, primarily by replacing boilers and updating HVAC and associated systems.

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 addition of buildings to the City's portfolio.

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 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.

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.

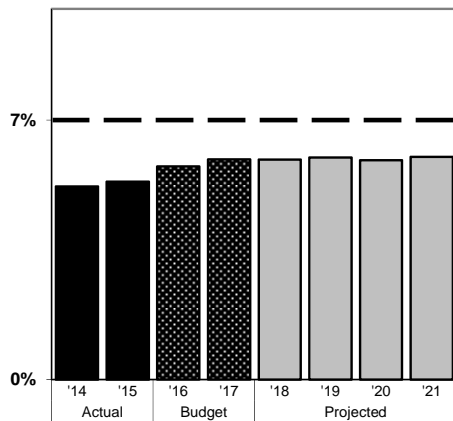
The Treasury Department manages all borrowings according to the City's debt management policies.

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.



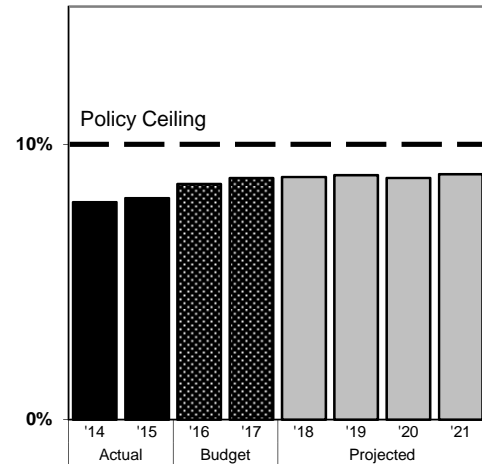
Gross Debt Service as a Percent of Total General Fund Expenditures
FY14 - FY21

Figure 3

The City's debt service forecast assumes general obligation borrowing of \$153 million in FY17, \$167 million in FY18, \$160 million in FY19, \$155 million in FY20 and \$140 million in FY21. On March 8, 2016, the City sold \$140 million in general obligation bonds to fund its capital improvement projects, and \$8.1 million in general obligation refunding bonds. 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 FY21 (See Figure 3).

The ratio of debt service to the City's primary revenue source, the property tax levy, is projected to increase through FY17 (See Figure 4). Even with the increase, the ratio is not expected to exceed the City's policy ceiling.



Gross Debt Service as a Percent of the Net Property Tax Levy
FY14 - FY21

Figure 4

The City's current overall debt burden (net direct debt to assessed property value of \$128.05 billion) is approximately 0.96% as of April 30, 2016. The City's net direct debt per capita currently stands at approximately \$1,866.41 as of April 30, 2016.

Boston has been conservative about assuming long-term debt and aggressive about retiring debt expeditiously. As of April 30, 2016, the City's debt retirement schedule shows that 41.3% of its principal will be retired five years out, before the end of FY21 (See the Debt Retirement table at the end of this chapter).

In March of 2016, Moody's Investors Service and Standard & Poor's reaffirmed Boston's credit rating at Aaa, and AAA, respectively. 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 2017 - 2021

	Existing Authorization	FY17 Authorization	FY18-21 Authorization	State	Federal	Other	Trust	Total
Boston Center for Youth and Families	22,971,688	10,640,000	3,400,000	0	0	0	0	\$37,011,688
Boston Redevelopment Authority	13,047,500	0	1,583,500	0	4,720,000	0	0	\$19,351,000
Department of Innovation and Technology	82,270,744	5,750,000	1,350,000	0	0	0	0	\$89,370,744
Emergency Management	1,500,000	0	0	0	2,000,000	0	0	\$3,500,000
Environment Department	445,000	10,700,000	0	0	0	0	0	\$11,145,000
Fire Department	16,020,000	23,922,500	24,042,000	0	0	118,861	0	\$64,103,361
Inspectional Services Department	583,000	0	0	0	0	0	0	\$583,000
Library Department	105,814,113	18,588,000	55,136,474	0	0	559,063	0	\$180,097,650
Neighborhood Development	3,990,000	0	0	0	0	1,750,000	0	\$5,740,000
Office of New Urban Mechanics	400,000	0	0	0	0	0	0	\$400,000
Parks and Recreation Department	64,869,607	26,406,000	36,150,426	16,928,056	61,950,086	15,968,926	0	\$222,273,101
Police Department	20,299,000	43,110,000	19,540,000	0	0	0	0	\$82,949,000
Property Management Department	42,716,483	14,655,000	32,130,000	0	0	1,043,232	0	\$90,544,715
Public Health Commission	8,941,000	375,000	1,021,484	0	0	0	0	\$10,337,484
Public Works Department	203,032,975	15,475,000	11,200,000	128,268,465	227,131,286	61,201,509	0	\$646,309,235
School Department	148,612,002	29,261,325	97,979,208	55,633,290	0	22,740,000	0	\$354,225,825
Transportation Department	50,065,136	13,750,000	10,892,240	12,040,241	13,660,964	6,700,000	0	\$107,108,581
Total	785,578,248	212,632,825	292,841,832	214,453,552	304,742,336	114,801,591	0	1,925,050,384

FY17-FY21 Capital Plan Project List

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Boston Center for Youth and Families					
BCYF Clougherty Pool	Upgrades to pool, deck, bath house, and mechanical systems.	To Be Scheduled	Charlestown	\$2,700,000	Yes
BCYF Gallivan Community Center	Replace roof and gym floor, provide air conditioning in the gymnasium, upgrade the fire alarm system and emergency lighting, and upgrade power outlets and selected lighting.	In Design	Mattapan	\$2,460,000	Yes
BCYF Johnson Community Center	Replace roof and gym floor, provide air conditioning in the gymnasium, upgrade the fire alarm system and emergency lighting, and upgrade power outlets and selected lighting.	To Be Scheduled	Mission Hill	\$490,000	Yes
BCYF Mattahunt Exterior Lighting	Improve exterior lighting at the Mattahunt Community Center.	New Project	Mattapan	\$500,000	No
BCYF Paris Street Community Center	Interior facility repairs and renovations include upgrades of all mechanical systems and boilers; window and exterior and interior door replacements; athletic facility improvements and teledata upgrades; and new furniture and equipment.	In Construction	East Boston	\$10,750,000	Yes
BCYF Paris Street Pool	Complete building renovation including upgrades to mechanical systems, bathrooms and locker rooms, pool deck, improved lighting, and entryway. The project will strengthen the connection between the pool building and the adjacent park.	In Design	East Boston	\$3,750,000	Yes
BCYF Tobin Community Center	Implement recommendations from recent site study that will enhance the grounds of the Community Center including a new lawn and an outdoor stage that will create an inviting space to support outdoor youth and family events.	New Project	Mission Hill	\$950,000	Yes
BCYF Vine Street Community Center	Interior facility repairs and renovations include upgrades of all mechanical systems and boilers; new roof, window and exterior and interior door replacements; athletic facility improvements and teledata upgrades; and new furniture and equipment.	To Be Scheduled	Roxbury	\$5,340,000	Yes
Boilers and HVAC Improvements	Replace existing boilers and HVAC systems at BCYF Nazario, BCYF Mason Pool, and BCYF Martin Pino community centers.	To Be Scheduled	Various neighborhoods	\$1,650,000	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	\$1,182,655	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
North End Community Center	Develop a building program and assess siting options for the design and construction of a new community center.	New Project	North End	\$100,000	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	\$3,139,033	No
Youth Budget Round 1	Project implementation from the first round of "Youth Lead the Change" participatory budgeting. Winning projects include a playground renovation in Franklin Park, art walls, Chrome Books for three high schools, and a skate park feasibility study.	Implementation Underway	Citywide	\$1,000,000	No
Youth Budget Round 2	Engage youth across the City to create a capital "Youth Budget", using participatory budgeting methods from January to June 2015.	Implementation Underway	Citywide	\$1,000,000	No
Youth Budget Round 3	Engage youth across the City to create a capital "Youth Budget", using participatory budgeting methods from January to June 2016.	Implementation Underway	Citywide	\$1,000,000	No
Youth Budget Round 4	Engage youth across the City to create a capital "Youth Budget", using participatory budgeting methods from January to June 2017.	New Project	Citywide	\$1,000,000	No
<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	\$400,000	No
BMIP: Bulkhead Restoration along Fid Kennedy Avenue	Replace bulkhead along Fid Kennedy Avenue in the Boston Marine Industrial Park.	In Construction	South Boston	\$2,200,000	No
BMIP: Drainage System Improvements	Perform drainage system improvements.	To Be Scheduled	South Boston	\$610,000	No
BMIP: Fid Kennedy Avenue Improvements	Install street lights and other improvements on Fid Kennedy Way from Tide Street to Dolphin Way.	In Design	South Boston	\$240,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
BMIP: Harbor Street Improvements	Install new sidewalk on Harbor Street from Drydock Ave to Northern Ave. Install street lighting, drainage, regulatory signage and striping.	In Design	South Boston	\$215,000	No
BMIP: Pier 5 / Drydock 4 Improvements	Pier and drydock repairs.	In Design	South Boston	\$975,000	No
BMIP: Pier 5 Cofferdam Sheet Piling Repairs	Repairs to cofferdam sheet piling on the outbound section of Pier 5.	In Construction	South Boston	\$900,000	No
BMIP: South and East Jetty Repairs	Repair area adjacent to the bulkhead and around the jetties.	To Be Scheduled	South Boston	\$800,000	No
BMIP: Tide Street Improvements	Roadway improvements including sidewalk reconstruction, roadway repaving, and new street lighting.	To Be Scheduled	South Boston	\$330,000	No
City Hall Plaza Improvements	Design services for select construction projects on City Hall Plaza.	Study Underway	Government Center/Faneuil Hall	\$500,000	No
CNY: Drydock 5 Maritime Improvements	Design services for maritime improvements to Drydock 5 to support vessel docking.	To Be Scheduled	Charlestown	\$155,000	No
CNY: Pier 11 Fender System Improvements	Install new fender piles and wales at Pier 11.	To Be Scheduled	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.	In Design	Charlestown	\$2,511,000	No
East Boston Greenway	Design and construction for the final segment of the East Boston Greenway.	In Construction	East Boston	\$1,370,000	No
Harrison Avenue Improvements	Road reconstruction improvements to Harrison Avenue between East Berkeley Street and Herald Street.	In Design	South End	\$3,820,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Strategic Planning Area Transportation Study	Analyze transportation capacity and develop conceptual design and cost for future infrastructure improvements for Dorchester Avenue in South Boston, Washington Street in Jamaica Plain/Roxbury, Glovers Corner in Dorchester, and Dudley Square in Roxbury.	New Project	Various neighborhoods	\$250,000	No
Washington Street/Traveler Street	Design services for roadway improvements to Washington Street and Traveler Street including resurfacing, pavement markings and traffic signal improvements.	In Design	South End	\$200,000	No
Winthrop Square Garage	Demolish the existing municipal parking garage.	To Be Scheduled	Financial District/Downtown	\$3,500,000	No
Department of Innovation and Technology					
Business Process Modernization	Invest in transformative tools and solutions to modernize business processes.	Implementation Underway	N/A	\$1,144,000	Yes
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. Scope includes data center consolidation, server virtualization, business interruption planning, enterprise storage, network management, VoIP deployment, and information security.	Annual Program	Citywide	\$4,500,000	Yes
Cyber Security and Resiliency	Implement solutions to manage and mitigate cybersecurity risks.	Implementation Underway	Various neighborhoods	\$3,500,000	Yes
Data Analytics	Invest in data analytic tools, technologies and processes to empower data-driven management.	Implementation Underway	N/A	\$2,340,000	Yes
Digital Service Delivery and Engagement	Implement digital technology solutions that better engage residents with government. Scope includes overhaul to City's website.	Implementation Underway	Various neighborhoods	\$4,000,000	Yes
Enterprise Business Applications	Identify and procure enterprise business applications that enhance productivity and improve City business operations.	Implementation Underway	N/A	\$12,151,744	Yes

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Fiber Network Expansion	Investment in BoNet infrastructure, including extending the fiber network reach to 100 BPS schools and providing public WiFi opportunities.	Implementation Underway	Various neighborhoods	\$10,750,000	Yes
Human Resources System Upgrade	Implement major upgrade to the BALS Human Capital Management (HCM) application, the City's human resources system.	Implementation Underway	N/A	\$15,000,000	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
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	\$13,100,000	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
Emergency Management					
Emergency Operations Center	Site, design, and build a new Emergency Operations Center.	To Be Scheduled	N/A	\$3,500,000	Yes
Environment Department					
Distributed Energy Resource Design Services	Study, procurement, design, and installation of distributed energy resources.	In Design	Citywide	\$720,000	Yes
Energy Efficiency Design Services	Design services to enhance the energy efficiency of City capital assets.	To Be Scheduled	Citywide	\$425,000	No
Renew Boston Trust	Identify energy retrofit project opportunities in City owned buildings that are self-financed by future energy savings. The City will implement the program through contracts with Energy Service Companies (ESCOs) that will guarantee the energy savings.	New Project	Citywide	\$10,000,000	Yes

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Fire Department</u>					
Building Envelope Repairs at Various Stations	Building and envelope repairs at Engine 29, 32, 37, 53 and 56.	To Be Scheduled	Various neighborhoods	\$2,017,500	No
Computer Switch Connections	Replace computer connections from Firehouses back to Headquarters.	New Project	Citywide	\$245,000	Yes
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	Various neighborhoods	\$1,725,000	No
Diesel Exhaust System Replacement	Replace diesel exhaust systems at all locations.	To Be Scheduled	Various neighborhoods	\$4,517,000	No
Engine 17	Design and construct a new fire station.	To Be Scheduled	Dorchester	\$13,000,000	Yes
Engine 33	Building renovations including envelope repairs, door and window replacement and interior improvements including building systems.	To Be Scheduled	Back Bay	\$800,000	Yes
Engine 42	Design and construct a new fire station.	In Design	Roxbury	\$10,000,000	Yes
Engine 5	Building envelope repairs including roof replacement, masonry re-pointing, gutter replacement, waterproofing, flashing repairs, window and door repairs and drainage improvements.	In Design	East Boston	\$1,925,000	No
Engine 50	Full building renovation including exterior masonry work, upgrades to building systems, and widening of apparatus doors.	In Design	Charlestown	\$3,510,000	Yes
Fire Equipment FY17	Purchase new fire apparatus for FY17 as scheduled in the Apparatus Replacement Plan.	Annual Program	Citywide	\$4,200,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Fire Equipment FY18-FY21	Purchase new fire apparatus for FY18-FY21 as scheduled in the Apparatus Replacement Plan.	Annual Program	Citywide	\$12,050,000	No
Fire Headquarters Repairs	Address water infiltration issues in the building facade and windows; replace one boiler.	To Be Scheduled	Dorchester	\$2,000,000	No
HVAC/Boiler Replacement at Various Stations	Install/ upgrade boilers, heating and lighting systems at fire stations including Engines 41 and 53, and the Fire Alarm division.	In Construction	Various neighborhoods	\$3,218,861	Yes
Programming Study	Provide ideal program for various configurations of fire stations as well as Fire Headquarters.	Study Underway	Various neighborhoods	\$125,000	No
Radio System Improvements at Fire Alarm	Upgrade radio communication system including a new monopole at Fire Alarm.	To Be Scheduled	Fenway/Kenmore	\$1,770,000	No
Roof and Masonry Repairs at Engine 4, 14 and 55	Roof and masonry repairs at Engine 4, 14 and 55.	In Design	Various neighborhoods	\$1,600,000	No
Station Alerting System	The second phase of the station alerting systems will add visual, security, and monitoring systems.	New Project	Citywide	\$1,400,000	No
<u>Inspectional Services Department</u>					
Animal Shelter	Building renovation to accommodate new site for an animal shelter.	Study Underway	Roxbury	\$583,000	No
<u>Library Department</u>					
Adams Street Branch Library	Design and construct a new branch library. Develop a building program that reflects the Boston Public Library's Compass Principles and supports the needs of the neighborhood.	New Project	Dorchester	\$12,600,000	Yes
Central Library Energy Improvements	Replacement of pumps, air handling units and cooling tower, building management system upgrade, lighting efficiencies/energy efficient lighting, and refurbishment of chiller.	In Construction	Back Bay	\$5,774,973	Yes

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Central Library 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
Central Library Renovation: Johnson Building	Improvements to enrich library services and visitor experience: expanded Children's and Teen areas; update building systems; enhance entry; reading, study, technology and community learning areas; renovated lecture hall; accessible connection to McKim.	In Construction	Back Bay	\$75,757,590	Yes
Central Library: Johnson Roof Replacement	Replace all low sloped roofing and flashing, repair or replace existing slate roofing material, and replace pyramid style skylights.	To Be Scheduled	Back Bay	\$4,830,000	No
Central Library: 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
Central Library: McKim Waterproofing	Remediate water infiltration in the basement of the McKim Building and reconstruct the pedestrian plaza on Dartmouth Street.	In Construction	Back Bay	\$480,000	No
Chinatown Library Study	Develop a library services program and assess potential locations for the development and/or delivery of new branch library services.	New Project	Chinatown	\$100,000	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	\$3,075,320	No
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.	In Design	Roxbury	\$14,718,000	Yes
Egleston Square Branch Library	Assess the existing interior and exterior physical conditions and systems according to how ably the branch can accomplish the Compass principles; develop and implement an improvement plan.	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	Library branch improvements consistent with the BPL's Compass Principles and based on the completed programming study which calls for improved accessibility, interior renovations and refurbishment as well as a building addition.	To Be Scheduled	Allston/Brighton	\$12,625,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Fields Corner Branch Library	Conduct a facility assessment and develop a building program that reflects the BPL's Compass Principles and supports the needs of the neighborhood. Design and construct a new branch library.	New Project	Dorchester	\$12,100,000	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 Construction	Jamaica Plain	\$10,000,000	Yes
North End Branch Library	Assess the existing interior and exterior physical conditions and systems according to how ably the branch can accomplish the Compass principles; develop and implement an improvement plan.	To Be Scheduled	North End	\$1,475,000	No
Parker Hill Library	Exterior required maintenance to replace windows, repaint masonry walls, and repair stairs. Minor interior improvements are also planned.	In Design	Mission Hill	\$2,400,000	No
Permanent Collections Storage Study	Develop space requirements for the collections at 201 Rivermoor Street of the BPL and the City's Archives and Records Management Division. Examine available space and assess the feasibility and cost of expanding the storage facility.	New Project	West Roxbury	\$75,000	No
Roslindale Branch Library Renovation	A comprehensive building renovation will enrich library services and visitor experience through improved spatial definition, a fully accessible facility, improve signage and increase energy efficiency.	To Be Scheduled	Roslindale	\$6,700,000	Yes
Security Audit Recommendations Implementation	Implement security upgrades at Central and 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
Web Site & Online Services Redevelopment	Supplemental services to augment internal capacity and expertise with respect to overhauling Boston Public Library's website and online presences.	To Be Scheduled	N/A	\$100,000	No
Neighborhood Development					
Property Demolition	Demolish three priority buildings in DND's portfolio including 66 East Cottage Street, 71-79 Intervale Street and 174 West Second Street.	In Construction	Various neighborhoods	\$1,750,000	No
Strand Theatre Upgrades	Improve accessibility throughout the theatre, including the installation of an elevator; fire protection improvements.	In Design	Dorchester	\$3,390,000	Yes
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	Various neighborhoods	\$600,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<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.	Implementation Underway	Various neighborhoods	\$400,000	No
<u>Parks and Recreation Department</u>					
Adams/King Playground	Park renovation including drainage, fencing and wall repairs; new landscaping, play structure, and safety surfacing.	In Construction	Dorchester	\$500,000	No
Back Bay Fens Westland Avenue Entrance	Improvements to park entrance including Johnson Memorial Gates monument conservation, accessibility upgrades, and landscape rehabilitation.	To Be Scheduled	Fenway/Kenmore	\$820,000	No
Boston Common Accessibility Study Shaw Memorial	Study to explore options to improve accessibility between the Shaw Memorial and the rest of the Common.	To Be Scheduled	Beacon Hill	\$50,000	No
Boston Common Boylston Street Edge	Upgrades to sidewalk and utilities along Boylston Street edge of park.	In Design	Beacon Hill	\$560,000	No
Boston Common Parkman Plaza	Renovate Parkman Plaza at the Visitor Information Center in the Boston Common and the sidewalk from the VIC towards the Boylston Street T Station.	In Design	Beacon Hill	\$4,300,000	No
Boston Common Pathways	Improve paths, paving, and associated infrastructure, including the area around the Soldiers and Sailors Monument.	In Construction	Beacon Hill	\$1,682,145	No
Boston Common Utility Study	Study to determine utility needs (electric and drainage) of the Boston Common in advance of needed utility upgrades and future pathway paving.	In Design	Beacon Hill	\$100,000	No
Bussey Brook Wall	Rebuild portions of stone walls adjacent to roadways and near Bussey Brook.	To Be Scheduled	Jamaica Plain	\$125,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Cassidy Field House	Renovation includes structural, MEP and envelope repairs as well as ADA access and bathroom and interior reconfiguration and upgrades.	To Be Scheduled	Allston/Brighton	\$1,689,358	No
Cassidy Field Master Plan Implementation	Comprehensive park renovation to include ballfields, courts, passive areas, pathways, utilities and landscaping.	New Project	Allston/Brighton	\$4,005,030	Yes
Children's Park Playground	Playground and park renovation, including water spray, play structure and safety surfacing, site furnishings and plantings.	In Design	Roxbury	\$996,000	No
Christopher Columbus Park	Address drainage and pavement issues adjacent to water play feature.	To Be Scheduled	North End	\$260,000	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	\$6,300,000	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
Doherty-Gibson Playground	Refurbish play lot and adjacent passive areas.	New Project	Dorchester	\$1,650,000	No
Downer Avenue Park	Overall park and play lot refurbishment including basketball court, pathways, playground, and possible water spray play feature.	To Be Scheduled	Dorchester	\$1,150,000	No
Dudley Town Common	Improvements to Dudley Town Common to support the use of this neighborhood "Common" for gathering and civic uses.	To Be Scheduled	Roxbury	\$972,000	No
Edwards Playground	Renovations to the playground including safety surfacing, passive park improvements including site furnishings upgraded utilities and pathways.	To Be Scheduled	Charlestown	\$703,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Evergreen Cemetery	Pathway repair and repaving.	New Project	Allston/Brighton	\$150,000	No
Fairview Cemetery Garage Building	Construct new garage. Provide access for persons with disabilities.	In Construction	Hyde Park	\$1,503,000	No
Fallon Field Playground	Overall park and play lot refurbishment and installation of safety surfacing.	In Construction	Rosindale	\$910,000	No
Field Lights at Doherty-Gibson Playground	Repair or replace field flood lights and upgrade electrical system to Musco System.	New Project	Dorchester	\$500,000	No
Field Renovations at Moakley Park	Re-grade multi-use field and surrounding areas to improve drainage and playing surface.	In Design	South Boston	\$500,000	No
Field Renovations at Parkman Playground	Renovate the existing field and perform associated site improvements.	In Construction	Rosindale	\$600,000	No
Field Renovations at Ronan Park	Renovate existing baseball field to improve drainage and playing surface.	In Design	Dorchester	\$500,000	No
Flaherty Park	Renovation of park, including play lot, pathways, and passive areas.	New Project	South Boston	\$715,000	No
Franklin Park Master Plan Update	Update the existing Master Plan to build out the Franklin Park Yard as a full administration and maintenance facility for the Boston Parks Department.	In Design	Roxbury	\$75,000	No
Franklin Park Pathway Improvements	Revitalize pathways and entrances in this highly used park. Improve universal access within the park to expand recreation opportunities for park users of all abilities.	New Project	Various neighborhoods	\$5,000,000	No
Frog Pond	Study to evaluate the mechanical systems of the Frog Pond.	In Design	Beacon Hill	\$150,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Frog Pond Master Plan Study	Study to determine the future redesign of the Frog Pond Ice Facility and the accompanying building.	In Design	Beacon Hill	\$150,000	No
Garvey Playground	Park renovation including play lot, field improvements, lighting, pathways, and court upgrades.	New Project	Dorchester	\$5,000,000	No
General Parks Improvements	Replace fencing, pavement, court lighting, and other infrastructure repairs as needed.	Annual Program	Citywide	\$5,222,038	No
George Wright Clubhouse Phase 2	Building renovations include installation of a new boiler, electrical system and fire protection. Update bathroom for accessibility.	New Project	Hyde Park	\$1,400,000	No
George Wright Clubhouse Study	Programming study to identify re-configuring/reprogramming opportunities for the clubhouse.	New Project	Hyde Park	\$75,000	Yes
George Wright Golf Course	Ongoing improvements including drainage, paving, and other miscellaneous items.	Annual Program	Hyde Park	\$2,372,025	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 Construction	Hyde Park	\$3,618,258	No
George Wright Golf Course Water Main	Replacement of leaking water main at George Wright Golf course.	In Design	Hyde Park	\$250,000	Yes
Green Infrastructure Plan	Study to determine the future Capital and Operating needs for green infrastructure development within parks and the streetscape under Parks Department's jurisdiction.	New Project	Citywide	\$100,000	No
Harambee Park Master Plan	Develop a master plan for the optimal use of space within the entire park.	In Design	Mattapan	\$125,000	No
Harambee Park Master Plan Implementation	New playground on the west side of the park, pathway, and lighting improvements.	New Project	Mattapan	\$3,700,000	Yes

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Healy Field Playground	Play lot renovation including play structures, site furnishings, fencing and landscaping.	In Design	Rosindale	\$665,000	No
Hemenway Playground	Park renovation including drainage, fencing and wall repairs; and new landscaping, play structure and safety surfacing.	In Construction	Dorchester	\$552,500	No
Historic Cemeteries	Ongoing program of repairs in designated historic cemeteries located throughout the City.	Annual Program	Citywide	\$2,339,637	No
Jamaica Pond Dock Rehabilitation	Design rehabilitation and repair of the boat docks.	To Be Scheduled	Jamaica Plain	\$144,000	No
Jamaica Pond Outfall Pipe Replacement	Replace outfall pipe and make related site improvements at Jamaica Pond.	In Design	Jamaica Plain	\$300,000	No
John Harvard Mall	Renovate existing passive park and improve accessibility.	In Construction	Charlestown	\$1,255,000	No
John Harvard Mall Play Area	Complete renovation of tot lot and surrounding area including fencing, paving, and lighting.	In Construction	Charlestown	\$450,000	No
Justice Gourdin Veterans Memorial Park	Major park renovation including pathways, walls, plazas, ADA improvements, and landscaping.	In Design	Roxbury	\$152,000	No
Kelleher Rose Garden	Perimeter restoration of historic rose garden.	To Be Scheduled	Fenway/Kenmore	\$170,000	No
Langone Park and Puopolo Playground	Enhancement and improvements to playground, basketball court, baseball fields, softball field, bocce, lighting, drainage and plantings.	To Be Scheduled	North End	\$5,460,000	Yes
Liberty Tree	Restoration of passive park including brick paving and other site improvements.	In Design	Chinatown	\$130,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
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.	In Construction	Roxbury	\$2,160,000	No
Martin's Park	Creation of major new park near Children's Museum. The project will include an accessible playground and passive areas. Install play equipment, safety surfacing, plantings, and site furnishings.	New Project	South Boston	\$7,000,000	No
Mary Hannon Playground	Major park renovation including drainage, fencing and wall repairs; and new landscaping, play structure, and safety surfacing.	In Construction	Roxbury	\$914,083	No
Mary Hannon Playground Phase II	Renovate ball field and passive areas.	To Be Scheduled	Roxbury	\$896,000	No
McConnell Playground	Comprehensive park renovation to include play lot, three fields, passive park, parking lot and address access issues.	To Be Scheduled	Dorchester	\$3,690,000	No
McKinney Playground Master Plan	Develop a master plan for the park.	To Be Scheduled	Allston/Brighton	\$50,000	No
Medal of Honor Park & Lee Playground	Park renovation to include lawn improvements, pathway and infrastructure upgrades, and new play equipment.	In Design	South Boston	\$2,010,000	No
Moakley Park Master Plan	Develop a master plan for the optimal use of space within the entire park.	New Project	South Boston	\$180,000	No
Monsignor Reynolds Playground	Install new play lot equipment, safety surfacing, curbing, fencing, and benches.	In Construction	South End	\$540,000	No
Mt. Hope Street Parcel	Study and implement strategies that will transform the DND parcel into a park.	New Project	Rosindale	\$50,000	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

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Noyes Park	Rehabilitate the park, including updating the play lot, courts, fields and lighting.	To Be Scheduled	East Boston	\$3,110,000	No
Olmsted Park Landscape Restoration	Landscape rehabilitation including woodlands restoration, stair stabilization, and landscape improvements.	In Design	Jamaica Plain	\$679,000	No
Parcel Priority Plan	Analyze and identify lands of recreational, habitat, connectivity, or ecological value in the City of Boston that should be protected as open space.	New Project	Citywide	\$90,000	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	\$630,000	No
Park Planning Studies	Planning and related landscape design services including: capital phasing plans, development of standard details and specifications and miscellaneous planning services.	In Design	Citywide	\$191,000	No
Parkman Playground	Revitalize playground, pavilion, entrance and perimeter.	To Be Scheduled	Roslindale	\$1,740,000	No
Paul Revere Mall	Park improvements including site furnishings, pathways, landscaping, and utilities. Restoration work on the fountain and monument.	New Project	North End	\$1,900,000	Yes
Penniman Road Play Area	Improvements to multi-functional park, including drainage, play lot, courts, passive areas, and infrastructure.	To Be Scheduled	Allston/Brighton	\$1,737,000	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	\$1,449,364	No
Public Garden Tool Shed	Design and comprehensive repairs for the interior and exterior of the existing tool shed.	To Be Scheduled	Beacon Hill	\$377,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
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 furnishings, play area, plaza, and pathways. Work will be coordinated with nearby Public Works project.	In Design	North End	\$487,000	No
Ramsay Park	Park renovation including play lot, basketball courts, tennis courts, plazas, passive areas and lighting.	New Project	South End	\$2,020,000	No
Reservation Road Park	Comprehensive park renovation to include skate park improvements, artificial turf replacement, site improvements, and landscaping.	To Be Scheduled	Hyde Park	\$3,960,000	No
Roberts Playground	Playground renovation including water spray, play structure, fencing, safety surfacing, site furnishings and plantings.	In Construction	Dorchester	\$1,540,000	No
Rogers Park	Planning for future park improvements.	In Design	Allston/Brighton	\$50,000	No
Ross Playground	Overall park and play lot refurbishment and installation of safety surfacing.	In Design	Hyde Park	\$1,220,000	No
Ryan Playground	Park improvements including play lot, courts, fields/ancillary structures, and infrastructure.	To Be Scheduled	Charlestown	\$2,630,000	No
Savin Hill Park	Access and pathway improvements, seating area installation and improvements, grading and drainage restoration, fence installation and overlook creation.	In Construction	Dorchester	\$265,000	No
Smith Playground	Improvements to playground, new water spray feature, amphitheater, passive community space, and Western Avenue street improvements.	New Project	Allston/Brighton	\$3,500,000	Yes
South End Library Park	Passive park renovation including pathways and landscape improvements.	New Project	South End	\$150,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Street Tree Planting	Ongoing program of street tree planting throughout the City.	Annual Program	Citywide	\$6,800,000	No
Tai Tung Park	General park refurbishment and installation of new safety surfacing.	In Design	Chinatown	\$160,000	No
Titus Sparrow Park	Improve the playground, tennis and basketball courts.	New Project	South End	\$1,980,000	No
Titus Sparrow Park Pathways	Pathway improvements.	To Be Scheduled	South End	\$120,000	No
Tree Canopy Assessment	Update the City's Tree Canopy Assessment to inform targets and priorities for canopy expansion.	New Project	Various neighborhoods	\$85,000	No
Urban Wilds Renovations	Renovation of walls, walkways, and signage within urban wilds owned by Environment and Parks Department.	Annual Program	Citywide	\$3,269,419	No
William Devine Golf Course	Improve drainage, paving, and other miscellaneous items.	Annual Program	Roxbury	\$2,061,544	No
Winthrop Square III	Landscape area and install new perimeter fencing.	In Construction	Charlestown	\$814,630	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 and make foundation and terrace masonry repairs.	To Be Scheduled	Various neighborhoods	\$2,500,000	No
Area B-3 Roof Replacement	Replace the roof.	New Project	Matapan	\$560,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Area D-14 Station	Install new windows on the second floor.	To Be Scheduled	Allston/Brighton	\$360,000	No
Area E-5 Roof Replacement	Replace the roof.	New Project	West Roxbury	\$500,000	No
Area E-5 Station	Replace exterior siding.	In Design	West Roxbury	\$714,000	No
Communications Infrastructure Upgrades	Design and implementation of upgrades to the Police radio system.	Implementation Underway	Citywide	\$48,000,000	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	\$850,000	No
East Boston Police Station	Design and construct a new police station.	In Design	East Boston	\$25,540,000	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.	Study Underway	East Boston	\$75,000	No
Emergency 9-1-1 Backup Study	Develop program for a new backup facility for E-9-1-1 call takers and police dispatch.	To Be Scheduled	Various neighborhoods	\$50,000	No
Garage for Specialized Vehicles	Study options for construction of a centrally located garage for specialized vehicles.	To Be Scheduled	N/A	\$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
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.	In Design	Roxbury	\$750,000	No
Police Headquarters Study	Reprogram selected areas of headquarters facility.	Study Underway	Roxbury	\$150,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
<u>Property Management Department</u>					
26 Court Street Renovation	Renovate building to improve envelope (roof, new windows, masonry repair) and upgrade interior.	In Design	Financial District/Downtown	\$14,000,000	No
41 New Chardon Street Improvements	Install a new boiler, replace all rooftop AC units, install new windows and a chair lift.	To Be Scheduled	West End	\$3,500,000	Yes
Archives Preservation Needs	Prepare a long-range preservation plan to address the storage requirements of the City's Archives and Records Management permanent collections including lighting controls, fire suppression, and temperature and humidity controls.	New Project	West Roxbury	\$1,575,000	No
City Hall	Early action items identified for implementation from the City Hall Master Plan at City Hall, 26 Court Street, or 43 Hawkins Street. Also supports general repairs to the City's downtown municipal office buildings.	In Design	Government Center/Faneuil Hall	\$40,000,000	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.	In Design	Government Center/Faneuil Hall	\$475,000	No
City Hall ADA Restroom	Install a fully ADA compliant restroom in City Hall.	In Design	Government Center/Faneuil Hall	\$100,000	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.	In Design	Government Center/Faneuil Hall	\$3,144,100	No
City Hall HVAC System Improvements	Replace boilers and associated piping, replace water heating system and associated piping, replace cooling towers and chiller.	In Design	Government Center/Faneuil Hall	\$9,500,000	Yes
City Hall Lobby Access Improvements	Study options to replace the existing chair lift that provides access from the 3rd floor lobby to the 4th floor mezzanine café area.	To Be Scheduled	Government Center/Faneuil Hall	\$100,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
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	\$2,000,000	No
City Hall Plaza Vertical Connection	Study options for making exterior staircase that leads from Congress Street to City Hall Plaza level more accessible.	To Be Scheduled	Government Center/Faneuil Hall	\$100,000	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	\$2,793,883	No
East Eagle Street Shoreline	Shoreline stabilization along Chelsea Creek near East Eagle Street.	To Be Scheduled	East Boston	\$270,000	No
Family Justice Center Elevator	Upgrade elevator.	To Be Scheduled	Allston/Brighton	\$350,500	No
Faneuil Hall	Repair brownstone, historic doors and windows.	New Project	Government Center/Faneuil Hall	\$1,950,000	No
Faneuil Hall HVAC	Replace attic AHU's and associated controls; install boiler and chiller, and upgrade elevator.	To Be Scheduled	Government Center/Faneuil Hall	\$4,655,000	Yes
Parking Lot Improvement	Expand Blair lot parking area in Dudley Square in support of the new Bruce C. Bolling Building.	In Design	Roxbury	\$1,400,000	No
Upshams Corner Municipal Building Windows	Replace windows.	To Be Scheduled	Dorchester	\$555,000	No
Veronica Smith Center Bathrooms and Flooring	Renovate bathrooms and replace flooring.	In Design	Allston/Brighton	\$683,000	Yes

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Public Health Commission					
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	\$4,271,484	No
EMS Station Study	Programming and siting study for a new Emergency Medical Services (EMS) facility in the Innovation District.	In Design	South Boston	\$100,000	No
EMS Training Academy Study	Programming study for new EMS training facility.	In Design	N/A	\$50,000	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 Construction	South End	\$2,337,000	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.	In Design	South End	\$1,129,000	No
Woods Mullen Shelter	Design and install an independent heating and cooling system.	In Construction	South End	\$2,450,000	No
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	\$8,000,000	No
Alford Street Bridge	Replace the bridge. State and federal construction funding awarded.	In Construction	Charlestown	\$63,669,642	No
Bridge Repairs	Ongoing repairs at various City-owned bridges as needed.	Annual Program	Citywide	\$16,000,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
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.	In Design	South End	\$14,160,673	No
Choice Neighborhood	Reconstruction or resurfacing of various streets in the Choice Neighborhood.	In Design	Roxbury	\$3,130,000	No
Commonwealth Avenue Phase 2A	Improve roadway between Amory Street and Alcorn Street by upgrading pavement and drainage conditions, improving facilities for bikes and pedestrians and widening the MBTA reservation. State and federal construction funds are anticipated.	In Design	Allston/Brighton	\$20,066,250	No
Commonwealth Avenue Phase 3 and 4	Design and reconstruct Commonwealth Avenue from Packard's Corner to Kelton Street, with the addition of a cycle track. State construction funding anticipated.	In Design	Allston/Brighton	\$22,900,000	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 Construction	Various neighborhoods	\$29,293,700	No
Crossroads Initiative	The initiative is a program of street improvements surrounding and adjacent to the Rose Kennedy Greenway. Design is underway on Summer Street and Congress Street.	In Design	Financial District/Downtown	\$9,000,000	No
Dana Avenue Bridge	Design for bridge rehabilitation.	In Design	Hyde Park	\$860,000	No
Freedom Trail	Design and construction for improvements related to accessibility issues on the Freedom Trail.	Annual Program	Various neighborhoods	\$1,300,000	No
Long Island Bridge Replacement	Design and construction of a new bridge and the removal of the removal of the current bridge.	In Design	Harbor Islands	\$32,379,436	No
Madison Park Village	Reconstruction of various streets in the Madison Park Village of Roxbury, bounded by Melnea Cass Boulevard and Tremont Street.	In Design	Roxbury	\$3,050,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Main Street Business District	Revitalization of Public Works assets in Main Streets business districts, including improvements to sidewalks, pedestrian ramps, crosswalks and roadways.	Annual Program	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	\$17,952,769	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	\$1,250,000	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	\$7,017,000	No
North Square	Redesign the key junction of North Street, Sun Court, Moon Street, Garden Court and Prince Street.	In Design	North End	\$2,500,000	No
North Washington Street Bridge	Design rehabilitation of bridge. State and federal construction funds anticipated.	In Design	Charlestown	\$124,467,844	No
Old Colony Housing Roadways	Reconstruction of roadways in the redevelopment of the Old Colony housing development.	In Construction	South Boston	\$4,165,516	No
Old Northern Avenue Bridge	Design and engineering services and ongoing repairs to the bridge.	In Design	South Boston	\$47,432,566	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	\$25,105,000	No
Roadway Resurfacing	Annual citywide roadway resurfacing program.	Annual Program	Citywide	\$32,430,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Roadway Utility Restoration	Repair and repave roadway damaged by utility companies.	Annual Program	Citywide	\$31,279,409	No
Seaver Street	Design and construction funding for street reconstruction and addition of bicycle facilities.	In Construction	Roxbury	\$7,500,000	No
Sidewalk Reconstruction	Various sidewalk and pedestrian ramp repairs and reconstruction.	Annual Program	Citywide	\$25,050,000	No
Street Light Gas Lamps	Using subsidies from National Grid, this program is designed to retrofit solar powered timers to activate gas lamp street lights.	In Construction	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	\$24,642,927	Yes
Street Lighting Division Facility	Design and construct a new Street Lighting Division facility.	In Design	Matapan	\$17,000,000	No
Street Lighting Installation	Installation of street lights in various locations.	Annual Program	Citywide	\$17,606,329	No
Sullivan Square / Rutherford Avenue	Engineering and design services to provide for corridor wide transportation improvements. State and federal funding anticipated.	In Design	Charlestown	\$14,759,403	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	\$4,287,771	No
Uphams Corner	Redesign and reconstruct the intersection of Columbia Road, Dudley Street, and Stoughton Road.	In Construction	Dorchester	\$3,600,000	No
Walkable Streets	Sidewalk improvement program designed to target key neighborhood streets and corridors by reconstructing longer, contiguous sidewalk sections.	In Construction	Various neighborhoods	\$6,000,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
School Department					
ACC at E. Greenwood	Interior renovation of the E. Greenwood facility for Another Course to College.	In Construction	Hyde Park	\$7,000,000	Yes
Access Improvements at Henderson Inclusion Upper School Phase II	Accessibility renovations including bathroom and fire system upgrades.	In Design	Dorchester	\$4,075,000	No
Accreditation Improvements at Various Schools	Accreditation projects to be completed in FY17 through FY21.	Annual Program	Various neighborhoods	\$2,000,000	No
Boston Arts Academy	Conduct a feasibility study and develop schematic design plans in conjunction with the Massachusetts School Building Authority that results in the construction or renovation of a facility that supports the requirements of the Boston Arts Academy.	Study Underway	Fenway/Kenmore	\$1,700,000	Yes
Boston School Building Authority	A fund for major school building renovation initiatives.	To Be Scheduled	Various neighborhoods	\$70,000,000	No
Carter Development Center	Design and construct a building addition that will include appropriate and dedicated spaces for beneficial and critical instructional activities including aquatic, physical, creative arts and multi-sensory therapies.	To Be Scheduled	South End	\$1,600,000	No
Critical Facility Repairs	A critical repair fund for emergency repairs to school facilities including roofs, windows, masonry, electrical and HVAC systems.	Annual Program	Various neighborhoods	\$2,000,000	No
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 Construction	Roxbury	\$73,498,295	No
Door Replacement at Various Schools	Replace interior and exterior doors and hardware at various schools.	Annual Program	Various neighborhoods	\$950,000	No
Doors at Winship School	Install new interior smoke doors.	In Construction	Allston/Brighton	\$253,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
East Boston High School Windows	Replace windows at East Boston High School.	In Construction	East Boston	\$4,700,000	Yes
Electrical Improvements at Various Schools	Electrical improvements and upgrade egress signage at various schools.	Annual Program	Various neighborhoods	\$5,000,000	No
Eliot School Access Improvements	New school entrance, accessible bathroom renovations, and sprinkler system at the Eliot School's Charter Street building.	To Be Scheduled	North End	\$450,000	No
Eliot School at 585 Commercial Street	Renovate 585 Commercial Street office building, including building envelope, structural work, interior and site work, which will provide additional classrooms to support the Eliot School's expansion as a K to 8 school.	In Design	North End	\$40,450,000	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 Construction	North End	\$23,018,867	Yes
English High School Building Envelope	Roof and window replacement, selective masonry repointing and curtain wall window replacement to attain greater energy efficiency.	To Be Scheduled	Jamaica Plain	\$2,000,000	Yes
Environmental and Sustainability Improvements at Various Schools	School site remediation at various schools.	To Be Scheduled	Various neighborhoods	\$2,395,000	No
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.	Annual Program	Various neighborhoods	\$4,550,000	No
Exterior Site Improvements at Hernandez School	General site improvements including permeable paving that will reduce the volume of storm water run-off entering the Boston Water and Sewer Commission's (BWSC) storm water system. The BWSC is funding a portion of this project.	New Project	Roxbury	\$675,000	No
Exterior Site Improvements at Irving School	General site improvements including permeable paving that will reduce the volume of storm water run-off entering the Boston Water and Sewer Commission's (BWSC) storm water system. The BWSC is funding a portion of this project.	New Project	Roslindale	\$875,000	No
HVAC Improvements at Various Schools	Replace the DDC controls and HVAC units at various schools.	Annual Program	Various neighborhoods	\$9,971,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Interior Refurbishments at Various Schools	Interior improvements at various schools.	Annual Program	Various neighborhoods	\$3,900,000	No
Madison Park High School Welding Shop	Upgrade school welding shop to accommodate classroom welding with adequate ventilation and safety equipment.	In Construction	Roxbury	\$2,025,000	No
Masonry Repairs at Various Schools	Exterior masonry restoration at various schools.	Annual Program	Various neighborhoods	\$10,500,000	No
Plumbing Improvements at Various Schools	Bathroom and other plumbing improvements at various schools.	Annual Program	Various neighborhoods	\$1,700,000	No
Quality Improvement Fund for Schools	Capital investment program targeting facility improvements at the Dudley Street Neighborhood School.	In Construction	Various neighborhoods	\$15,000,000	No
Quincy Upper Pilot School	Conduct a feasibility study and develop schematic design plans in conjunction with the Massachusetts School Building Authority that results in the construction or renovation of a facility that supports the requirements of the Josiah Quincy Upper School.	Study Underway	Bay Village	\$1,700,000	No
Roof or Boiler Replacements at 5 Schools	Replace roofs at McCormack School and Dever School; replace boilers at Channing School, Condon School, and Boston Latin School in conjunction with the Massachusetts School Building Authority's Accelerated Repair Program.	New Project	Various neighborhoods	\$600,000	No
Roof Replacement at Various Schools	Replace roofs at various school locations.	Annual Program	Various neighborhoods	\$7,000,000	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.	Study Underway	Various neighborhoods	\$1,920,000	No
School Yard Improvements at Murphy School	Design and construction of school yard improvements at the Murphy School.	In Construction	Dorchester	\$695,000	No
School Yard Improvements at Ohrenberger School	Install new play structures, safety surfacing, and landscaping improvements.	In Construction	West Roxbury	\$376,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
School Yard Improvements at Summer School	Install new play structure, safety surfacing, and landscaping improvements.	New Project	Rosindale	\$250,000	No
School Yard Repairs	Repairs and refurbishment of previously completed Boston Schoolyard Initiative sites.	Annual Program	Various neighborhoods	\$1,655,500	No
Security Related Improvements at Various Schools	Install intercom and clock systems, re-key doors, expand card access, replace smoke doors, install motion detectors and other security related improvements.	Annual Program	Various neighborhoods	\$6,500,000	No
Technology Infrastructure II	Upgrades to technology infrastructure in support of 21st century learning.	Annual Program	Various neighborhoods	\$15,000,000	Yes
Window Replacement At Various Schools	Replace windows at various schools.	Annual Program	Various neighborhoods	\$2,500,000	No
Window Replacements at 7 Schools	Complete a feasibility study and develop schematic designs for window replacement projects at Community Academy, Curley School, Ellis School, McKay K-8 School, Summer School, TechBoston Academy, and Young Achievers K-8 School in partnership with the MSBA.	In Design	Various neighborhoods	\$25,743,163	No
Transportation Department					
300 Frontage Road Improvements	Interior and exterior renovations to accommodate Boston Transportation Department operations.	In Design	South Boston	\$463,807	Yes
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
Bowdoin Street/Geneva Avenue Study	A transportation study of the Bowdoin Street and Geneva Avenue area in Dorchester.	New Project	Dorchester	\$100,000	No
BTD Tow Lot Facility	Repairs and upgrades to building envelope and tow lot.	In Design	South Boston	\$6,000,000	No

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Central Square	Urban redesign and improvements for Central Square including the intersections at Meridian and Saratoga Streets, and Porter and Bennington Streets.	In Construction	East Boston	\$7,850,000	No
Centre Street/ South Street	Redesign portions of 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
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	\$7,300,000	No
Melnea Cass Boulevard	Reconstruct Melnea Cass Blvd. in conjunction with the South Bay Harbor Trail project. State and federal construction funding anticipated.	In Design	Roxbury	\$8,737,105	No
Municipal Parking Lots	Lighting, paving, re-stripping, and other upgrades to municipal parking lots citywide.	In Construction	Citywide	\$3,600,000	No
Parking Meter Replacements	Replace and upgrade existing meter system.	Implementation Underway	Various neighborhoods	\$6,000,000	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 citywide key bike corridors.	In Design	Citywide	\$8,402,763	Yes
Street Rule Book	Compile an electronic rulebook of citywide curbside parking regulations.	To Be Scheduled	Various neighborhoods	\$500,000	No
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

Project	Scope of Work	Status	Neighborhood	Total Project Budget	Operating Impact
Traffic Signal Control Boxes	Purchase and install traffic signal control boxes.	Annual Program	Citywide	\$2,418,432	No
Traffic Signal Corridor Re-Timing Program	Re-time traffic signal equipment along arterial corridors to improve traffic flow.	Annual Program	Citywide	\$1,700,000	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	\$14,470,292	No
Traffic Signals at 9 Locations	Upgrade five traffic control signal locations and install new traffic control signals at four locations. Some locations require minor geometric changes to improve safety and operations. Accessible pedestrian ramps will be reconstructed as needed.	In Design	Various neighborhoods	\$3,487,107	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	\$2,200,000	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	\$2,634,477	No
Vision Zero	Implement roadway design changes to reduce speeds, control movements and improve visibility of vulnerable users.	Implementation Underway	Various neighborhoods	\$9,500,000	Yes
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	\$2,977,900	No

City of Boston
Outstanding Principal by Statute as of April 30, 2016

Statute:		Outstanding @ April 30, 2016	Percent of Total Outstanding Debt
	General Purpose:		
C44 s7 (13)	Acquisition of Fire or Police Boats	1,996,071	0.158
C44 s7 (20)	Acquisition of Land; Cemeteries	469,830	0.037
C44 s7 (21)	Architectural Services for Plans & Specs	194,443	0.015
C44 s7 (22)	Engineering or Architectural Services	8,372,662	0.661
C44 s7 (25)	Acquisition of Land; Parks and Playgrounds	83,306,250	6.573
C44 s7 (28)	Computer Hardware	62,075,678	4.898
C44 s7 (29)	Computer Software	7,257,487	0.573
C44 s7 (9)	Departmental Equipment	11,098,292	0.876
C44 s7 (3B)	Energy Conserv., Alternative Energy Improvements	3,254,780	0.257
C659 Acts 1986	BCH - Constr., Equipping, Furnishing	13,870,000	1.094
		\$ 191,895,492	15.142
	Urban Development:		
C121B s20	Urban Redevelopment and Renewal	\$ 7,725,139	0.610
C1097 s11 Acts 1971	Economic Development and Industrial Corp.	7,860,132	0.620
		\$ 15,585,271	1.230
	Schools:		
C645 s8 Acts 1948	School Project Loan	\$ 26,341,074	2.078
C642 s7A, s7B, s7C	Capital Improvements; Acts of 1973, 1991, 1996	9,028,230	0.712
		\$ 35,369,304	2.791
	Public Buildings:		
C44 s7 (3)	Construction of Buildings; Acquisition Of Land	\$ 224,694,292	17.730
C44 s7 (3A)	Remodeling and Extraordinary Repairs	548,936,498	43.315
C152, Act '97	Convention Center Refunding Bond	29,060,000	2.293
C642 s7A, s7B, s7C	Capital Improvements; Acts of 1973, 1991, 1996	21,141,363	1.668
		\$ 823,832,154	65.006
	Public Works:		
C44 s7 (1)	Construct/Re-Construct of Surface Drains, Sewers, etc.	\$ 1,580,970	0.125
C44 s7 (4)	Construction and/or Re-Construction of Bridges	48,569,980	3.832
C44 s7 (5)	Construction of Public Ways	57,555,115	4.541
C44 s7 (6)	Construction of Sidewalks	5,378,290	0.424
C44 s7 (7)	Construction of Walls or Dikes	103,668	0.008
C44 s7 (14)	Traffic Signal and Public Lighting Install., etc.	63,454,223	5.007
C44 s8 (4)	Reservoir Constr/Enlrg; Water Trmt Bldgs	900,286	0.071
C44 s8 (5)	Water Mains Laying, Re-Laying, Construct.	3,782,595	0.298
C44 s8 (7A)	Water Meter Purchase & Installation	67,861	0.005
C44 s8 (7C)	Water Dept. Equip.; Purchase, Replace., Rehab.	516,150	0.041
C44 s8 (24) C29C	Landfill; Closing, Opening, Improve. to (MWPAT)	18,733,911	1.478
		\$ 200,643,047	15.832
	Grand Total =	\$ 1,267,325,268	100.00 %

CITY OF BOSTON
BOND - GROSS DEBT SERVICE PAYMENTS
@ April 30, 2016
- Stated in Five Year Intervals -
(\$ in thousands)

DATE OF ISSUE	TYPE	AMOUNT ISSUED	FY'16 through FY'21		FY'22 through FY'26		FY'27 through FY'31		FY'32 through FY'36		FY'16 through FY'36	
			Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
March 24, 2016	GO	140,000	48,590	27,067	44,205	15,787	23,685	6,733	23,520	2,158	\$140,000	\$51,745
March 24, 2016	REF	8,100	0	1,589	3,970	1,620	4,130	165	0	0	\$8,100	\$3,384
February 11, 2016	MW/PAT	15,365	3,246	1,387	3,614	1,070	4,024	693	4,481	273	\$15,365	\$3,423
April 1, 2015	GO	140,000	36,565	24,402	38,210	14,908	32,160	7,189	26,565	2,134	\$133,500	\$48,633
April 1, 2015	REF	126,735	35,480	24,657	55,835	13,435	25,375	1,774	0	0	\$116,690	\$39,866
March 26, 2014	GO	119,085	36,170	19,600	30,550	11,039	24,050	5,436	13,925	1,129	\$104,695	\$37,204
March 26, 2014	GO/Dudley	33,915	6,440	6,125	8,230	4,344	10,005	2,565	6,975	565	\$31,650	\$13,599
March 14, 2013	GO	109,095	32,560	15,872	26,055	8,162	21,910	3,627	9,320	421	\$89,845	\$28,082
March 14, 2013	GO/Dudley	35,760	7,145	5,744	9,095	3,790	11,000	1,884	4,935	223	\$32,175	\$11,641
March 14, 2013	GO	24,380	3,110	3,643	17,510	1,819	0	0	0	0	\$20,620	\$5,462
March 14, 2013	REF	24,380	6,080	3,659	7,345	2,396	8,560	1,175	3,780	114	\$25,765	\$7,344
October 12, 2012	GO/Dudley	28,865	6,080	3,659	7,345	2,396	8,560	1,175	3,780	114	\$25,765	\$7,344
May 4, 2012	BCH REF	26,945	40,025	15,307	24,805	7,130	19,070	3,010	4,020	161	\$87,920	\$25,608
April 2, 2012	GO	121,975	36,830	8,316	11,840	1,065	0	0	0	0	\$48,670	\$9,381
April 2, 2012	REF	83,155	13,870	1,003	0	0	0	0	0	0	\$13,870	\$1,003
April 1, 2011	Conv Ctr Ref	38,295	24,220	9,486	15,020	4,733	14,340	1,835	0	0	\$53,580	\$16,054
April 1, 2011	GO	86,190	11,600	4,906	14,285	2,216	3,175	127	0	0	\$29,060	\$7,249
April 1, 2011	QSCB	41,620	5,000	8,698	36,620	4,972	0	0	0	0	\$41,620	\$13,670
April 1, 2010	QSCB	17,415	0	4,423	17,415	2,695	0	0	0	0	\$17,415	\$7,118
April 1, 2010	REF	68,345	40,805	6,202	8,740	382	0	0	0	0	\$49,545	\$6,584
April 1, 2010	RZEDB	16,685	9,845	2,200	2,985	838	1,655	220	0	0	\$14,485	\$3,258
April 1, 2010	BAB	30,905	2,900	7,505	15,365	5,464	12,640	1,688	0	0	\$30,905	\$14,657
April 1, 2010	GO	39,995	10,070	1,414	720	149	450	41	0	0	\$11,240	\$1,604
November 4, 2009	QSCB	20,000	0	0	20,000	0	0	0	0	0	\$20,000	\$0
May 27, 2009	REF	31,485	6,995	487	0	0	0	0	0	0	\$6,995	\$487
March 18, 2009	GO	100,000	16,385	1,665	0	0	0	0	0	0	\$16,385	\$1,665
March 18, 2009	REF	8,940	8,905	867	0	0	0	0	0	0	\$8,905	\$867
March 20, 2008	GO	126,185	13,665	1,033	0	0	0	0	0	0	\$13,665	\$1,033
March 22, 2007	GO	100,000	6,030	301	0	0	0	0	0	0	\$6,030	\$301
March 22, 2007	REF	85,425	57,060	9,506	18,270	444	0	0	0	0	\$75,330	\$9,950
October 15, 1999	MW/PAT	13,389	3,300	335	0	0	0	0	0	0	\$3,300	\$335
			\$522,891	\$217,409	\$430,684	\$108,458	\$216,229	\$38,162	\$97,521	\$7,178	\$1,267,325	\$371,207
% of Total Principal and Interest Retired in 5 Years:			41.3%	58.6%	75.2%	87.8%	92.3%	98.1%	100.0%	100.0%	\$1,638,532	

CITY of BOSTON RATE of PRINCIPAL RETIREMENT on GENERAL OBLIGATION BONDS
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Fiscal Years Ending June 30, 2016 - 2036
@ APRIL 30, 2016

<u>Fiscal Year Ended June 30,</u> @ 4/30/16	<u>Amount</u>	<u>Percentage of Total Principal Amount Retired:</u>
2016 - 2021	\$ 522,890,755.00	41.26 %
2022 - 2026	430,684,132.00	33.98 %
2027 - 2031	216,229,320.00	17.06 %
2032 - 2036	97,521,061.00	7.70 %
	<u>\$ 1,267,325,268.00</u>	<u>100.00 %</u>

CITY OF BOSTON - DEBT SERVICE REQUIREMENTS - FISCAL YEARS 2015 through 2021

	Actual FY15	Projected FY16	Projected FY17	Projected FY18	Projected FY19	Projected FY20	Projected FY21
Gross Debt Service Requirements - Bonded Debt:							
Total Principal:	107,860,000.00	110,590,000.00	116,976,541.00	123,965,049.00	131,258,851.00	133,952,953.00	142,787,361.00
Total Interest:	51,298,300.80	55,602,601.46	62,951,679.82	63,853,330.23	65,726,873.91	66,678,912.79	67,325,066.23
(1) Total:	159,958,300.80	166,192,601.46	179,928,220.82	187,818,379.23	196,985,724.91	200,631,865.79	210,112,427.23
Less: Revenue Deemed Available from Related Sources:							
Boston Medical Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boston Public Health Commission	182,393.13	0.00	0.00	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	8,520,908.96	3,656,500.45	3,598,172.13	3,502,660.51	3,418,863.47	3,308,755.72	2,950,602.07
Renew Boston Trust - Energy Savings	0.00	0.00	71,250.00	455,187.50	956,000.00	932,250.00	908,500.00
Accrued Interest	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
(3) Irrigation Project	206,501.24	199,022.83	190,284.93	116,364.90	9,149.49	0.00	0.00
(4) 1010 Massachusetts Avenue Project	2,285,655.98	2,265,029.18	2,220,936.61	2,168,216.83	1,947,260.57	1,916,238.83	2,537,188.02
(5) Renston Management System	1,858,296.67	1,904,611.67	1,904,552.59	1,903,325.99	1,902,667.57	1,903,311.94	1,904,187.28
Interest on Loan to BOA Fund and Dudley Fund	146,664.50	0.00	0.00	0.00	0.00	0.00	0.00
Plus: Interest on Temporary Loan Notes and Additional Items:							
Revenue Anticipation	0.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00
Cost of Issuance	113,905.48	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	0.00	0.00	0.00
Lease Payment for Bolling Municipal Building	275,500.00	943,000.00	551,000.00	551,000.00	551,000.00	248,111.11	0.00
(6) Sinking Fund for Nov.: 2009 OSCB	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:	148,006,831.24	164,469,982.77	177,853,570.00	185,583,168.94	194,157,329.25	197,673,965.85	206,666,495.30
Less Additional Adjustments:							
School Construction Assistance	8,175,513.00	7,344,337.00	6,720,152.00	6,720,147.00	5,107,351.00	2,461,330.00	0.00
Total Net Debt Service Requirements:	139,831,318.24	157,125,645.77	171,133,418.00	178,863,021.94	189,049,978.25	195,212,635.85	206,666,495.30

NOTES:

(1) FY16 - the City issued:
 \$140 million in General Obligation Bonds with a 20-year maturity and an average coupon rate of 4.40%; closing date: March 24, 2016
 \$8.1 million in General Obligation Refunding Bonds with a 11-year maturity and an average coupon rate of 4.00%; closing date: March 24, 2016.
 \$15.3 million is on loan with the State's MWPA with a 20-year maturity and an average coupon rate of 2.0%; closing date: February 11, 2016, for the Gardner Street Landfill Closure Project.

Assumptions:

FY17 - Assumes General Obligation debt issuance of \$150 million, and \$3 mil for the Renew Boston Trust project, each with a 20 year maturity and an interest rate of 4.75%.
 FY18 - Assumes General Obligation debt issuance of \$160 million, and \$7 mil for the Renew Boston Trust project, each with a 20 year maturity and an interest rate of 4.75%.
 FY19 - Assumes General Obligation debt issuance of \$160 million per year, with a 20 year maturity and an interest rate of 5.0%.
 FY20 - Assumes General Obligation debt issuance of \$155 million per year, with a 20 year maturity and an interest rate of 5.0%.
 FY21 - Assumes General Obligation debt issuance of \$140 million per year, with a 20 year maturity and an interest rate of 5.0%.

(2) Under the American Recovery and Reinvestment Act of 2009 (ARRA), in 2010 and 2011, the City issued Tax Benefited Bonds which are entitled to receive subsidy payments from the Federal Government. The IRS has released 5 subsidy reduction notifications since March of 2013, reducing the expected annual subsidy - the projected loss through FY2016 is approximately \$1.15 million. An estimated Subsidy reduction to ARRA-related issuances of 7.3% per year from FY2018 through FY2021 has been applied in response to IRS withholding notifications.

(3) Debt Service Costs will be offset by the "Fund for Parks and Recreation".

(4) Debt Service Costs will be offset by charging City departments for the space they occupy.

(5) Debt Service Costs will be offset by semi-annual payments from the Retirement Board.

(6) Quarterly payments of principal in the amount of \$363,636.36 are currently being made to the paying agent with respect to the City's outstanding \$20 million G.O. Qualified School Construction Bonds, 2009-Series A, which were issued as tax credit bonds that do not earn interest. These funds are kept in escrow until the Bonds mature on September 15, 2024.

