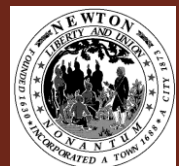


FY2014 – FY2018 Five-Year Capital Improvement Plan and 20-Year Projection



City of Newton, Massachusetts
Setti D. Warren, Mayor
15 October 2012





SETTI D. WARREN
MAYOR

City of Newton, Massachusetts
Office of the Mayor

October 15, 2012

Telephone
(617) 796-1100

Telefax
(617) 796-1113

TDD
(617) 796-1089

E-mail
swarren@newtonma.gov

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

Ladies and Gentlemen:

I am pleased to submit the FY14-18 Capital Improvement Plan (CIP)- the result of an aggressive evaluation, programming, and financing plan to ensure the timely repair and replacement of our aging capital assets. The programs and services that our citizens have come to expect require a plan to address those key assets that support our City services, making it a great place to live, work, and play. In this plan we identify the current status of our capital assets, and illustrate how with proper funding levels, we can address concerns of continued functionality and safety for those highest priority assets.

In addition to the risk-based prioritization process, I would like to draw your attention to the addition of a 20-year outlook which serves to better inform the investment decisions of today. With the identification of hundreds of capital needs City-wide, it is crucial that we put those needs in the context of what we want Newton to look like 10, 15 or 20 years from now. As illustrated in the pages that follow, the cost of delaying our infrastructure needs will not only make the repairs more expensive in the out-years, but will diminish how we view our City and the expectations of standards that we have prided ourselves in over the years.

I urge you to study this Plan thoroughly and critically, so as to engage in thoughtful discussions in coming months on the priority of specific projects, their scope, and funding source. Such discussions will serve to only improve upon this plan, keeping Newton the City that we have come to expect.

I look forward to hearing your thoughts both in city hall and out in the community. It is with great hope that we reach a consensus to move this plan forward, concurrent with the vote for the FY14 budget.

Sincerely,

A handwritten signature in black ink, appearing to read "Setti D. Warren".

Setti D. Warren
Mayor

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I. EXECUTIVE SUMMARY

The FY14-18 Capital Improvement Plan (CIP) is the product of the risk-based prioritization assessment process that was initiated with the FY13-17 CIP, but revised with improvements. This current 5-year plan includes the addition of a consequence for the “*energy impact*” of implementing a project, as well as an expanded 20-year outlook for capital needs across all departments in the City. This longer term projection was developed through a holistic evaluation of all assets, to include the replacement of their respective major components. Finally, while capital costs were determined in 2013 dollars, an escalation factor of 3.5% per year is added in subsequent years to conservatively account for inflation impacting the future cost of construction goods and services. The result is a plan with an improved context by which to evaluate investments over the shorter 5-year period.

Capital Improvement Plan

The goal of the Capital Improvement Plan is to create a logical, data-driven, comprehensive, integrated, and transparent strategic capital investment strategy that addresses infrastructure needs, reflects community values, supports City operations, programs and services, and exemplifies financial and environmental best practices.

Basically, the City’s capital assets comprise an extensive inventory falling into eight categories:

- (1) **Buildings**- 78 each
- (2) **Roads**- 275 miles of public ways, plus 35 miles of private ways
- (3) **Sewer infrastructure**- over 300 miles
- (4) **Water infrastructure**- over 300 miles
- (5) **Storm drainage infrastructure** – approximately 300 miles
- (6) **Parks & Playgrounds**- 58 each
- (7) **Motorized Vehicles & Equipment**- over 200 pieces
- (8) **Information Technology**

Required maintenance and investment in these capital assets, both in the shorter term (5 years) and over the longer term (20 years), promises to extend their life in a fiscally responsible manner, support programs and services, and fully achieve the goals outlined in the annual budget for each department. The FY14-18 CIP contains 325 capital projects, valued at over \$336M, of which \$221M are proposed for funding. The pie chart included in Figure 4, Tab 2 (CIP by Asset Type), illustrates the distribution of project cost by the asset category listed above. The largest category is that of public buildings, collectively comprising 66% of the total 5-year cost.

The CIP has been updated utilizing a risk-based analysis to determine priorities across City departments through a collaborative effort with the CIP Steering Committee. This process optimizes the capital investment plan across many different City assets.

CIP Steering Committee:

| | |
|---------------------------------------|-----------------------|
| Chief Operating Officer | Bob Rooney |
| Chief Financial Officer | Maureen Lemieux |
| Commissioner of Public Buildings | Stephanie Kane Gilman |
| Commissioner of Inspectional Services | John Lojeck |
| Commissioner of Parks and Recreation | Bob DeRubeis |

“Energy Impact” as a Consequence

In response to public input to the previous FY13-17 CIP, this submission accounts for the impact on energy consumption (or production) as evaluated alongside seven other consequences having to do with health & safety, city operations, quality of life, etc. for each capital project. Each consequence is weighted individually from 1 to 10, with *Energy Impact* weighted “6”, reflecting its relative importance in the overall spectrum of values the community considers important in prioritizing investment needs.

20-Year Projection

Some larger capital assets, such as a building, have an expected life of 75 years or more and if selected to be funded for construction, require most of the 5-year timeframe in the CIP to plan, design, and construct each project. Without the advantage of knowing longer term investment needs for other buildings and other assets, it becomes apparent that the ability to fully assess the merits of proposed investments is difficult. This year, decisions regarding limited funds can now be made in context with the capital needs projected to FY33.

This long range planning exercise fostered big-picture thinking and emphasized a commitment to education and safety, and the primary goal of addressing City infrastructure needs in a financially sustainable and responsible way. It prompted questions about the future use of some assets and revealed additional facility needs for some departments in the future.

The 20-year projection is available in three formats: (1) a high level consolidated cost summary by capital asset category (Tab 4), (2) a breakdown of each major facility in the asset category (Tab 4), and (3) a detailed break-out of each component of each facility. Due to its size, this last spreadsheet is available for viewing on the City website. These “exploded views” of the assets provide the data back-up that comprise the total estimated costs over the next 20 years.

During the development of the long range projection, some assets were identified which appear to be underutilized based on the long term cost to maintain them. These facilities are generally smaller buildings belonging to either the Public Buildings Department or the Parks & Recreation Department (e.g. Bullough’s Pond hut on Bullough Park Road, Kennard Estate on Dudley Road, and a Building Department shop/storage building in Nahanton Park on Winchester Street). Over the next several months, it is anticipated that discussions will occur as to the long term community and operational uses to determine disposition and/or continued investment.

The City’s Five Year Financial Forecast is the counterpart and supporting document directly linked to the CIP. The Financial Forecast substantiates how capital improvements are funded; some \$221 million over the next five years. The new 20-year capital needs projection also facilitates and supports the development of long term financial strategies.

Cost Escalation

The impact of delaying projects 5, 10, or 20 years into the future dramatically reveals the ultimate cost of postponing capital needs. Total 20-year capital needs in today’s dollars are approximately \$750M, however after considering inflation and the future value of money, the cost rises to over \$1 billion. Expected increases in the costs of materials and labor, in combination with the shrinking value of the dollar due to inflation, result in an additional quarter of a billion dollars higher cost for projects in the out years than if they were financed and constructed today.

Time is responsible for major erosion of the City’s road funds as well. The State allocation of Chapter 90 funding (almost the sole investment in Newton’s road and sidewalk work over the last 20 years), has remained essentially constant (see Figure 1 below). However, with the cost of principle components of asphalt (crude oil) almost quadrupling over the last 20 years, the value of this grant allocation has been seriously

decremented. To illustrate further the erosion of purchasing power, if the Highway Division had sufficient funding to pave 4 miles of roadway 20 years ago, these same funds could pave only 1 mile today! Additionally, this does not take into account that the road, if the work is delayed, has also deteriorated further, adding to the total cost of bringing the capital asset up to the desired standard.

Chapter 90 Funding History

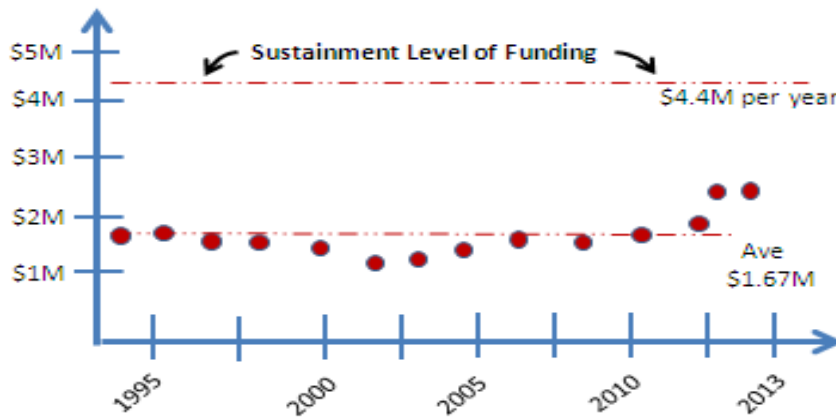


Figure 1. Chapter 90 (Road) Funding 1994-2012

II. CAPITAL ASSET PROGRAMS (Buildings, Roads, Water, Sewer)

The current CIP identifies over \$336M (in FY13 dollars) in capital needs. Of these projects are some of the City’s highest priority areas of concern – outdated and inadequate school facilities and growing student enrollment, deteriorating roadways, and antiquated fire stations. Of the \$221M proposed for funding, the majority (66%) is to address building infrastructure needs. The 5-year CIP and the 20-year projection seek to support the desired outcomes identified in the FY2013 City Budget – Education, Public Safety, Community Life, Capital Infrastructure, Environmental Sustainability, Economic Development, Financial Stability, and Community Engagement and is described in the following programs.

BUILDINGS PROGRAM

A top goal is to address the deteriorated and obsolete building infrastructure across the City. In anticipation of work in the schools, the City initiated a project to renovate the Carr School to be used as swing space during subsequent elementary school building renovations and additions. Concurrently, a long range plan was developed to systematically address the 15 elementary school needs; an overview is attached in Appendix 2.

Priority Building Projects

Angier School- Preparation for sequential school rehabilitation has begun, with the Carr School in design and the application and acceptance into the Massachusetts School Building Authority (MSBA) program for the Angier School. This building is nearing 100 years old and no longer meets facility and educational program

standards. As a top priority, the study of feasibility and schematic design has begun with anticipated temporary occupation of Carr School in September 2014, while Angier is either renovated or replaced.

Cabot and Zervas Schools- These schools represent both the need to address functionality and adequate space to maintain quality instruction in a facility that can support today's learning environment. A facility assessment indicates that these schools rank among the next highest facility need; the 83 year old Cabot Elementary School, and a Zervas School project to begin to address elementary school capacity issues. It is anticipated that the City will continue to work with the MSBA for grant funding on the Cabot project.

Fire Station 3 and Fire Headquarters (Newton Centre) - Continued investment in the City's antiquated Fire Stations rank among the top priorities to keep Newton safe and maintain a high quality of life. An assessment of the City's six Fire Stations and Fire Headquarters was completed in 2007 and implementation of a plan to renovate these critical facilities has been completed. In 2011 a feasibility study was conducted for Station 10 (Dedham St.), Station 3/Wires Division (Newton Centre) and Fire Headquarters. Design has commenced for a new Station 10 and a future move of the Wires Division to the Dedham Street site. Additionally, recognition of the need to fully renovate or replacement Station 3 and Fire Headquarters has become apparent to ensure response times and maintain the communications systems as this is the hub for the Emergency Operations Center. These Fire Station projects must comply with the new, more stringent seismic building code requirements, include sprinklers, be accessible, and accommodate female fire fighters; all of which is projected to have a significant impact on project costs.

The 20-year projection has identified buildings that are operationally under-utilized. These buildings represent opportunities for development, re-use, or removal from the inventory to reduce the City's operational expenses and future capital investments. Some are already in the re-use process (Health Department and prior Parks and Rec Headquarters), while others such as the branch libraries and small out-buildings should be further evaluated as to long term needs.

Project capital cost estimates for buildings were developed using several cost estimating methods. Cost estimates were developed using materials and prevailing labor costs, but where unavailable, cost estimates were developed using appropriate square foot costs for the particular facility. Total project costs were developed *based on 2013 construction dollars* and include the following assumptions added to the base construction cost:

| | | | |
|--|-----|-------|--|
| • General Contractor | | | |
| • General Conditions, Bonds, Overhead and Profit | 25% | } 60% | |
| • Design Contingency: | 10% | | |
| • Soft Costs: | 25% | | |

Soft costs include such costs as architectural and engineering design fees, in-house environmental and permitting costs, project management and testing costs and bonding costs.

ROADS PROGRAM

The City Roads Program consists of the following:

- Streets
- Sidewalks
- Parking Lots
- Parking Meters

- Street Lights
- Traffic Signals

STREETS

Street rehabilitation is planned and prioritized based on numerous factors that are taken into consideration. Pavement Condition Index (PCI) is used to determine the condition of the roadway surface on a scale from 1 (poor) to 100 (excellent). Given a similar PCI, other factors include the volume of traffic per day, accidents experienced over the past 5 years, and what underground utility work is planned in the same window of time. Crash data is examined, so that traffic calming techniques and changes to intersections (e.g. bump outs, crosswalks, curb-cut ramps, etc.) are considered at the same time as pavement upgrade.

Road rehabilitation usually consists of cold-planing or milling (grinding off the top 1.5" of old asphalt) followed by a new asphalt overlay. Severely deteriorated roadways may require full-depth reconstruction. Other roadway maintenance options consist of thin-mix asphalt overlays, micro-surfacing, chip sealing, and crack sealing. Curbing and sidewalk improvements are included as part of planned road rehabilitation work.

The current CIP proposes accelerating the pace of road and sidewalk improvements by increasing funding for this high priority work by \$1,000,000 per year. The individual roads included in the expanded road program are listed in the 20-year plan and maps of the planned work are included in Appendix 4.

SIDEWALKS

The CIP includes an additional annual allocation of \$150k toward approximately one half mile of new sidewalks, and the rehabilitation of another one half mile of existing deteriorated sidewalks. Sidewalks are prioritized based on proximity to village centers, school routes, and arterial and collector roads. It is projected that with the additional funds, all priority sidewalks described above will be completed at the end of 5 years.

PARKING LOTS

Based on condition and use, parking lots have been prioritized for rehabilitation; the first of these, Pearl Street, will be addressed in the 5 year Capital Improvement Plan. The Pearl Street parking lot requires a full depth rehabilitation technique, as it is too deteriorated to warrant milling and overlay.

PARKING METERS

The CIP includes installation of new coinless, automated parking meter kiosks as part of a phased installation across the City. Funding includes sufficient capital to do an entire parking lot conversion.

STREETLIGHTS

City streetlights were last replaced in 2007; replacing Mercury Vapor lamps which consume tremendous amounts of energy, with High Pressure Sodium (HPS) lights. The CIP includes conversion again to the next higher level of energy saving lamps, that of Light Emitting Diode (LED). Village centers and certain areas of Boylston Street will be considered first for installation of LED lights. LED's are brighter appearing while using a fraction of the energy than HPS lights.

TRAFFIC SIGNALS

The City is near completion of a city-wide traffic signal timing study to determine which traffic signals need to be retimed, rehabilitated or replaced. The CIP includes the replacement of traffic signals and their controller boxes at prioritized locations. The existing traffic control boxes at many traffic signal locations are obsolete, without the functionality demanded by the volumes of traffic utilizing the streets today. Additionally, an "Opticom Device" will be installed to allow emergency vehicles to over-ride the signal and enable immediate pass through.

WATER MAIN PROGRAM

The current 5-year plan proposes investing \$4M annually on the City's water supply infrastructure. The first three years will dedicate \$2.7M towards improvements to substandard fire flows in the system that were identified by a Computerized Hydraulic Model. Fire flow is the ability of a fire truck to pull the needed quantity of water through a hydrant in specified areas. This relates not only to obvious safety implications, but directly impacts ISO fire ratings for a fire district, directly impacting the resident's insurance rates for fire coverage.

The remaining \$1.3M for years 1-3 will be dedicated towards cleaning and lining water mains to improve water quality. Currently, these areas are prioritized by the age of the pipe and operational impact, and coordinated with road paving plans. After the fire flow improvements have been completed in year 3, the remaining years will have the entire \$4M dedicated to cleaning and lining older water mains.

SEWER SYSTEM PROGRAM

The prioritization of sewer system improvements is aimed at reducing Inflow and Infiltration (I&I). I&I is due to leaking pipes which increases the annual assessment the City must pay the Massachusetts Water Resources Authority (MWRA). A City Task force has recommended aggressively attacking leaking pipes and increasing capital investment over the next five years, significantly impacting the City's MWRA Assessment. Prioritizing this work was done using the following 4 step ranking system:

- 1.) Flow meter data provided by the MWRA that identified areas of the City where I&I was the greatest
- 2.) Areas of the City that contain sewer under-drains
- 3.) Age of sewer pipes
- 4.) Sewer pipes that have historically had operations/maintenance issues

STORMWATER PROGRAM

A complete assessment of the City's Stormwater Drainage System is necessary prior to developing a long range investment plan. Similar to the water and sewer systems, this assessment will evaluate the condition of all drain pipes in the City and will determine where hydraulic deficiencies exist. Hydraulic deficiencies contribute to flooding during storm events. The assessment will look at the condition of stream/brook walls and culverts and will ultimately provide the information needed to develop a 5-10 year CIP for the Storm system. Funding for this assessment is included in the CIP in Fiscal Year 2017.

III. CAPITAL IMPROVEMENT PLAN METHODOLOGY

CIP Methodology - A Risk-Based Approach

This comprehensive and integrated capital plan utilized a risk-based approach to analyze and prioritize capital needs across the city.

Risk Approach Overview

In the context of asset management, *Risk* is defined as the probable magnitude of a future loss, and is expressed mathematically as a probability of failure (PF) multiplied by the magnitude of its consequence of failure or its expected loss (Q). This risk-based approach considers that an asset may "fail," due to its age or condition and the inherent consequences of that "failure". Failure here is used to mean that an asset fails to

meet its intended purpose or use. Using this methodology, Probability of Failure is multiplied by a weighted Consequence (or impact) of Failure to arrive at a Risk Factor score. Broken into its components, the mathematical formula looks like this:

$$PF = \frac{P_{\%Life\ left} + (2)P_{Overall\ Condition}}{3}$$

Where:

PF: Probability of Failure

P_{%Life Left}: Probability of failure for the *percent life left* failure mode

P_{Overall Condition}: Probability of failure for the *overall condition* failure mode

Next for Consequence (Q):

$$Q = \sum_{i=1}^{i=8} Q_i \frac{W_i}{W_T}$$

Where:

i: consequence counter

Q_i: i-th consequence rating

W_i: Weight of i-th consequence

W_T: Total weight

Finally, calculating Risk Factor (R):

$$R = PF \times Q$$

Graphically, the results will fall into categories as shown in Figure 8 below. Assets that have a high probability of failure and a high consequence of failure would therefore have a high risk factor score and would be a high priority for the City.

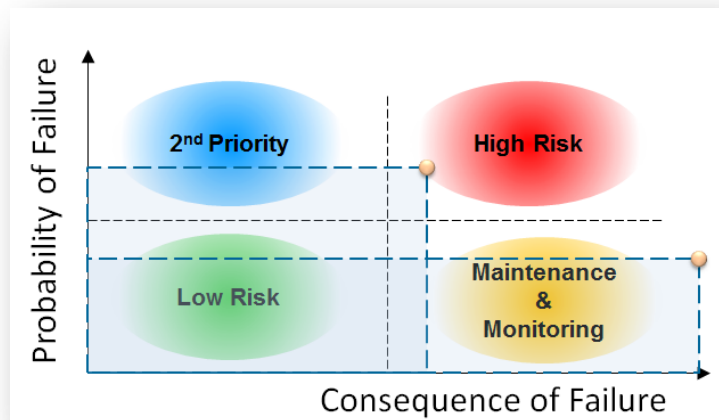


Figure 2. Prioritization Grid for Risk Calculation

Referring to the prioritization grid above, if for example a city building roof is in poor condition, the probability of failure for the roof and it leaking (failing to serve its intended purpose) will be high. In addition, the consequence of that leak could be high as well, as it could impact the health and safety of employees and city operations, depending on which roof is being analyzed. This situation would fall into the “Highest Priority” category for mitigation actions in the chart above.

This methodology allows the City to more objectively evaluate potential CIP projects across the spectrum of asset categories and inform decisions about allocation of capital dollars across different types of projects.

Detailing the variables in evaluating Risk and Consequences

Together the CIP Steering Committee standardized the weighting of the variables, based on the perceived relative importance to the community and how they reflected the City’s vision.

A description of the “Probability of Failure” and the “Consequence of Failure” are defined below.

A. “Probability of Failure” is comprised of two ratings which are then weighted.

- (1) **Age or percent life left** of an asset (measured on a scale of “new” to “beyond useful life”)
- (2) **Condition** of the asset (measured on a scale of “excellent” to “very poor”)

Percent life left is an indicator of how old, or how far along the life expectancy curve an asset is. This failure mode is important when there is no data about the condition of the asset. Each project has been assigned a percent life left value. For example, a project consisting of replacing the main entrance stairs of a building will have a percent life left value corresponding to the stairs of that building, and derived from their installation date and their expected service life.

Each percent life left rating is assigned a probability of failure. A new asset, with 100% life left, is unlikely to fail, or has a probability of failure of 0, and an old asset which is past its useful life, has a probability of failure of 1. The table below shows the percent life left ratings and their assigned probabilities of failure.

| % Life Left | |
|-------------|-------|
| Description | Value |
| 100% | 0 |
| 90% | 0.1 |
| 80% | 0.2 |
| 70% | 0.3 |
| 60% | 0.4 |
| 50% | 0.5 |
| 40% | 0.6 |
| 30% | 0.7 |

| | |
|------------|-----|
| 20% | 0.8 |
| 10% | 0.9 |
| 0% | 1.0 |

Overall condition is evaluated similarly. This failure mode is important to consider because assets that have been maintained properly may be near their expected useful life but still be in good condition and functioning. The values considered also range between 0 and 10, 0 being the worst condition, and 10 being the best condition. Each value is assigned a corresponding probability of failure, so that assets in good condition have lower probability of failure than assets in poor condition. The table below shows the overall condition values and assigned probabilities of failure.

| Overall Condition | |
|---|--------------|
| Description | Value |
| 10 – New / Pristine | 0 |
| 9 – Excellent | 0.1 |
| 8 – Very Good | 0.2 |
| 7- Good / Minor Deferred Maintenance | 0.3 |
| 6 – Above Average / Satisfactory | 0.4 |
| 5 – Average / Functional | 0.5 |
| 4 – Below Average / Sub-Standard | 0.6 |
| 3 – Poor / Serious Condition | 0.7 |
| 2 – Bad / Critical Condition | 0.8 |
| 1 – Very Bad / Imminent Failure | 0.9 |
| 0 – Not Functioning / Failed | 1 |

A weighted average approach is used to calculate the project’s overall probability of failure. More weight is given to the condition of an asset, rather than to its life expectancy. “Percent life left” is assigned a weighting factor of 1 and “Overall condition” a weighting factor of 2.

B. Consequences of Failure – Consequences of failure rate the impact that the failure of an asset would have. Consequences are evaluated in terms of “how much negative impact this project would have if it is not pursued and the asset were to fail”. Consequences considered for all projects and assets are:

- Impact on **Health and Safety**
- Impact on **City Operations**
- Impact on **Programs or Services** to the public
- Future **Costs and/or Savings**
- Potential for **Property Damage**
- Impact on **Quality of Life**
- Impact on **Energy Consumption/Conservation (NEW for FY14-18)**
- Support of the **Department’s Mission/Vision**

A description of the consequence categories and their weighted factors are provided:

(1) Impact to Health and Safety (weight = 10) – Protection of health and safety of residents, city personnel and visitors. This could have direct impacts on other categories such as Quality of Life.

*Who is impacted in what way (adults, children)?

*How severe is that impact?

*How many people are impacted?

(2) Impact to City Operations (weight = 9) – The requirement to deploy additional City resources to complete the function of this capital asset, or the subsequent impact on another department’s mission. The ability of the government to continue to operate.

*What is the department’s Plan B?

*How many people/employees are impacted by not implementing the project?

(3) Impact to Delivery of Programs and Services (weight = 6) – The programs that would need to be cancelled or moved to alternate locations. This could have related impact on cost. The department services to the public at large if this is not funded.

*What specific programs are impacted?

*What percent of the department’s mission are these cancellations?

*Who and how many are impacted by the reduction?

(4) Potential Cost/Savings Ratio (weight = 8) – Return on investment due to reduced maintenance/operating expenses. New projects may save the City operating expenses, while making a repair may avoid additional costs to maintain or repair more extensive damage later.

*What will be the cost/savings to the City compared to investments if not funded?

*What is the payback period?

*What is the cost of Plan B?

(5) Potential for Property Damage (weight = 5) – Potential to cause or sustain damage to public or private property. Physical damages that impede the ability of the City to operate. Private damage that may cost the City through litigation.

*How many are impacted by this damage?

*To what extent is the potential for damage?

(6) Impact to Quality of Life (weight = 7) – The reasons that people want to live in Newton. If these underlying feelings about the quality of life are compromised, the value to the residents living here would be decreased.

*What aspect of the QOL is diminished?

*Would the project’s absence diminish the kinds of things that Newton prides itself in?

(7) Impact to Energy Consumption (weight = 6) – The potential to reduce energy consumption and help the City reach its “Green Community” and “Energy Smart Newton” goals. This could also impact costs, quality of life and department/City Mission.

*Would this be a missed opportunity to reduce consumption?

*What is the magnitude of the potential energy reduction?

*How quick is the potential payback in operational savings?

(8) Support of Department Mission/City Vision (weight = 6) – The impact of accomplishing stated goals of the department. The vision of the Mayor reflecting the will of the residents would not be advanced or would be contrary to those values.

*Would this project negate a primary reason for the department’s existence?

*Have the residents expressed an expectation of this project directly or indirectly?

The “intensity or impact” of the consequence is expressed by the rating associated with each value. Values for consequences range between 0 - “no impact” and 10 - “very negative impact”. Consequence values have corresponding ratings, which range between 0 and 10. The table below shows the consequence values and their corresponding ratings.

| Consequence | |
|------------------------------|--------|
| Value | Rating |
| 0 – No Impact | 0 |
| 1- | 1 |
| 2- Very Little Impact | 2 |
| 3- | 3 |
| 4- | 4 |
| 5 – Moderate Impact | 5 |
| 6 – | 6 |
| 7 - | 7 |
| 8 – High Impact | 8 |
| 9 - | 9 |
| 10 - Very High Impact | 10 |

Relative Impact of Weighting Consequences

To calculate the final consequence score, a weighted average method was used. Weights were assigned to each consequence to represent their relative importance to each other. The weights used are:

| <u>Category of Consequence</u> | <u>% of Weight</u> | <u>Weight value</u> |
|--------------------------------|--------------------|---------------------|
| Health and Safety | 17.6% | 10.0 |
| City Operations | 15.8% | 9.0 |
| Cost Savings Ratio | 14.0% | 8.0 |
| Quality of Life | 12.3% | 7.0 |
| Department Mission/City Vision | 10.5% | 6.0 |
| Energy | 10.5% | 6.0 |
| Programs and Services | 10.5% | 6.0 |
| Property Damage | <u>8.8%</u> | <u>5.0</u> |
| TOTALS: | 100.0% | 57.0 |

Obviously, each Administration may view the relative importance of each consequence differently. Changing the weighting factors in any given year does not invalidate the mathematical model; it just will change the prioritized outcome for each project.

As mentioned earlier, Risk factor (R) is calculated as the product of the consequence factor times the probability of failure and converted to a 1-100 scale:

$$R = PF \times Q$$

Graphing the product of *Probability of Failure* and *Consequence of Failure*, risk can be interpreted as an area, illustrating how various projects with different ratings can have the same risk. Figure 3. illustrates the resultant graph. An asset with a high probability of failure but low consequence of failure can have the same risk score as another with lower probability of failure and a higher consequence of failure. This is a key concept when comparing risk scores between homogenous assets types and even across diverse asset portfolios.

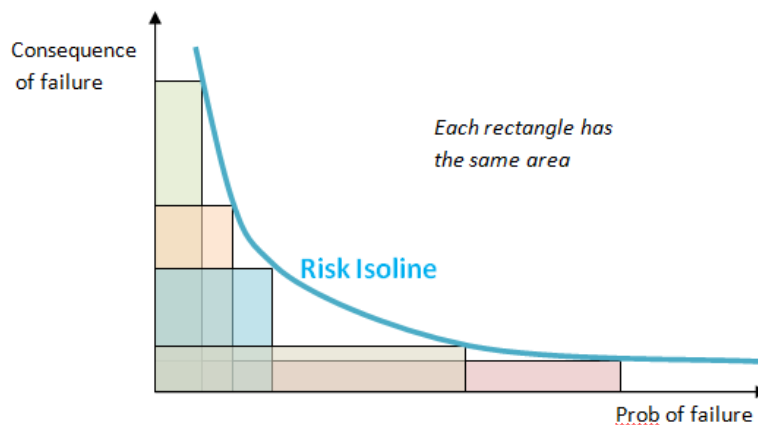


Figure 3. Isoline identifying how different projects can have the same risk factor

IV. CAPITAL IMPROVEMENT PLAN FUNDING SOURCES

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

Tax-Supported Funding Sources

- **General Obligation Bonds** - The City sells tax exempt bonds, usually in March each year. The annual debt service is included in the Operating Budget and is offset by resources in the Long Term Capital Fund. This allows the impact on the operating budget to be managed evenly over time and not be subject to dramatic fluctuations in the debt service.
- **Free Cash** - Unreserved fund balance, certified by the Massachusetts Department of Revenue, as of the end of the previous fiscal year.
- **Operating Budget (General Fund)** - Annual departmental budgets, supported primarily by property taxes, local revenue, and state aid.
- **Community Preservation Act (CPA)** – One percent local property tax surcharge, with partial or full state matching funds, which may be spent for affordable housing, historic resources, open space, or recreation land. The Act has recently been amended and the CPC Draft Funding Guidelines are attached in Appendix 3.
- **Other** - Funds such as Overlay Surplus, Capital Stabilization, and Sale of Municipal Buildings.

Non-Tax-Supported Funding Sources

- **State and Federal Grants** - Project specific or block grants from federal, state, or other governmental agencies (**Massachusetts School Building Authority Funds, Chapter 90** Funds for road construction, preservation and improvement projects).
- **Parking Meter Receipts** - Curb and parking lot meter fees.
- **Enterprise Funds - Water and Sewer Revenue** - Fees and charges paid by water/sewer customers, which are used to support the Operating Budget (Special Revenue Fund) and generate a Water/Sewer Fund Balance (surplus available for water/sewer purposes).
- **Stormwater Fund (Enterprise Fund)** – Stormwater fees, used to fund operating costs related to stormwater management and control.
- **Community Development Block Grant (CDBG)** - Federal aid received to aid low and moderate income families and other targeted persons. Under federal guidelines, spending must be targeted to project types or neighborhoods.
- **Other** - City trust or other funds designated for specific purposes by law, charter or ordinance. Includes donations and gifts.

V. CIP FINANCIAL REQUIREMENTS AND POLICIES

Debt service to support capital investments and goals must be financially sustainable and responsible in order to maintain the City's favorable Aaa Bond Rating which keeps interest rates low.

On March 30, 2012, the City of Newton once again earned a "Aaa – Stable" rating (the highest possible) from Moody's Investor Services for its General Obligation Municipal Purpose Loan of 2012 Bonds. Concurrently, Moody's reaffirmed the Aaa rating assigned to the \$188 million of previously-rated long-term general obligation debt.

Per the official statement issued by Moody's – The Aaa rating incorporates the city's wealthy and diverse tax base within a strong regional economy, manageable debt profile with moderate future borrowing plans, and the city's historically well-managed, but narrow, financial position with growing rainy day stabilization reserves, which will offset planned depletion of capital reserves. The stable outlook recognizes the city's improving financial position, conservative forecasting in five-year operating and capital plans and implementation of comprehensive financial policies.

Moody's statement continued to opine on the financial condition of the City of Newton by stating: *The stable outlook reflects Newton's improving financial position with growing stabilization reserves, conservative long-range projections, implementation of the city's financial guidelines, and the stability of the regional economy.*

Strengths continued to be cited as follows:

- Sizeable wealthy and diverse tax base with favorable location and institutional presence,
- Low direct debt burden and manageable future capital needs, and
- Strengthened financial policies and conservative budgeting approach.

Conversely, challenges were cited as follows:

- Slim financial position,
- Limited ability to raise property taxes under Proposition 2 ½,
- High liabilities for OPEB and pension, and
- Reliance on annual free cash appropriations for operations.

The City is very pleased to have maintained the Moody's Aaa Bond Rating issued in March 2012 and has worked diligently to establish and follow refined, responsible, and forward-looking financial management guidelines.

City of Newton Financial Management Guidelines

Financial Principles

On April 20, 2011 the Honorable Board of Aldermen adopted revised Financial Management Guidelines. Several guiding principles are incorporated into those guidelines which were included as part of the Fiscal Year 2013 Budget. These guiding principles are also an integral part of the Capital Improvement Plan.

- **Long Range Financial Planning:** The City will follow financial planning processes that assess the long-term financial implications of current and proposed operating and capital budgets, budget policies, cash management and investment policies and programs.
- **Revenue Budgeting:** General Fund revenue budgets are expected to capture 99% of total expected revenue for the year.
- **Expenditure Budgeting:** Expenditure budget estimates will strive to be sufficient to address not less than 100% of projected operating requirements of the various departments of the City for the next fiscal year.
- **Capital Outlay and Improvements:** It is the practice of the City to issue a minimum of \$3.5 million in bonds for capital improvements annually; financing for the associated debt service will come from the General Fund. A minimum of 5% of the annual General Fund operating budget will be budgeted for capital outlay and improvements.
- **Free Cash:** Free Cash represents the accumulated difference of unrestricted funds between General Fund revenues and expenditures, on a cash basis of accounting. The City expects to generate a limited amount of Free Cash which comes from unanticipated actual revenues in excess of revenue estimates (including overlay surplus), unexpected unspent funds in operating budget line items, and/or unanticipated unexpended free cash from the previous year.
- **Utilization of Free Cash:** It is the intent of the City to use Free Cash in the following manner, understanding that this will take a number of years to implement fully. First, a maximum of \$1.5 million will be used as a general revenue source for the ensuing year's operating budget. Second, Free Cash will be used to replenish Reserve Funds depleted in the previous year. Third, a minimum of forty percent (40%) of the remaining certified Free Cash will be put in the Rainy Day Stabilization Fund until the Rainy Day Stabilization Fund reaches its target level. Fourth, any additional Free Cash will be used for one-time, non-recurring expenditures. In unusual economic circumstances, an additional portion of Free Cash may be used for the ensuing year's school or municipal operating budget.
- **Inclement Weather Stabilization Reserve:** The Administration intends to establish an Inclement Weather Stabilization Reserve Fund which will be used for unusual (but not extraordinary) weather related costs in departments such as Public Works, Parks and Recreation, Police and Fire. For example, such costs may stem from floods, an unusual number of winter storms, or an unusual level of snow or ice. The goal of this reserve fund is to make sure monies are set aside for unusual weather conditions.
- **Rainy Day Stabilization Reserve:** The Rainy Day Stabilization Fund will be used when the City faces a multiple year economic recession or a rare, catastrophic expenditure. These funds may be utilized to assist in addressing cyclical declines in operating revenues, generally resulting from economic factors outside the control of the City, or an unusually large expenditure resulting from a rare legal settlement or catastrophic weather event. The primary reason for the segregation of such monies is to prevent these reserves from being used for unrelated City needs, and to demonstrate that resources are in fact being set aside specifically for extraordinary and unforeseen revenue disruption or catastrophic expenditure need.

Capital Project Accounting and Capital Stabilization Fund (Board Order #485-92)

1. All capital appropriations are to be made for project purposes, are to be presented in specific line item format (i.e. design, project management, construction, equipment, etc.). An estimated project completion schedule shall also be included with each capital appropriation request.
2. Appropriations for the acquisition, construction, or reconstruction of "major capital facilities" are to be made to a Capital Improvement Fund instead of the General Fund, regardless of the financing source for the capital appropriation. "Major capital facilities" will be defined as any acquisition, construction, or reconstruction project which has an estimated cost of \$500,000 or more and is expected to take more than a single fiscal year to complete. Capital appropriations of less than \$500,000 and those which are expected to be completed within a single year will continue to be appropriated to the General Fund.
3. As capital projects are completed during the course of a fiscal year, the responsible department head shall notify the Comptroller, who shall close unobligated appropriation balances to the Capital Stabilization Fund. All year-end encumbered capital appropriation balances shall be brought forward from one year to the next, without any action of the responsible department head.
Not later than July 15 of each fiscal year, each department head having a capital appropriation in either the Capital Improvement or General Fund, for which there is an unexpended and unencumbered balance at June 30, shall provide the Comptroller with a detailed request to carry the balance forward into the new fiscal year. This request shall contain a detailed description of the work to be performed, including any variations from the original plan, and a projected schedule for completion of the project.

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

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

No expenditures shall be made from the Capital Stabilization Fund. The fund shall serve solely as a source for financing future capital needs. Unobligated balances in bonded capital project accounts shall be transferred to the Capital Stabilization Fund at the completion of each such capital project. These balances shall be reserved for future appropriation in accordance with the municipal finance laws.

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

5. To the extent that undesignated and unreserved funds are available in the Capital Stabilization Fund at the time that the Capital Budget is submitted to the Board of Aldermen, this fund shall be used as the priority source for capital appropriations. Free Cash shall not be used as a financing source for a capital appropriation while equal funding is available in the Capital Stabilization Fund.
6. The Comptroller shall provide the Mayor and Board of Aldermen with a quarterly and annual detailed report on the status of all capital appropriations, including a summary of all activity into and out of the Capital Stabilization Fund.

VI. CIP LEGAL REQUIREMENTS and POLICIES

Definition of Capital Projects

A capital project in general is defined as a physical public betterment or improvement involving facilities, land, or equipment, with a substantial useful life and a cost of \$10,000 or more. However, for purposes of using the City's debt service capacity to fund those projects supporting the General Fund operations, only those projects valued at greater than \$75,000 were considered. It is anticipated that capital line accounts in the department operational budgets will include consideration of capital needs less than \$75,000. Some projects which may be valued at less than \$75,000 individually could be more effectively done concurrently and were bundled for purpose of management. Detailed breakouts of the component costs of the projects can be found in the electronic back-up spreadsheets posted on the City's website. Typical items classified as capital projects include:

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

Capital Improvement Plan Policies and Goals

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

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

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

Capital Improvement Program Charter Requirements – Article 5, Section 3

- (a) Submission - The Mayor shall prepare and submit to the Board of Aldermen a five-year Capital Improvement Program at least six months prior to receipt of the next fiscal year's operating budget.
- (b) Contents - The Capital Improvement Program shall include: (1) a clear summary of its contents; (2) a list of all capital improvements proposed to be undertaken during the next five fiscal years with supporting data; (3) cost estimates, method of financing, and recommended time schedules; and (4) the estimated annual cost of operating and maintaining the facilities included. The above information shall be revised and extended each year.
- (c) Public Hearing - The Board of Aldermen shall publish in one or more newspapers of general circulation in the City the general summary of the Capital Improvement Program and a notice stating: (1) the times and places where copies of the Capital Improvement Program are available for inspection by the public, and (2) the date, time, and place, not less than two weeks after such publication, when a public hearing on said program will be held by the Board of Aldermen.
- (d) Adoption - After the public hearing, concurrently with the passage of the next fiscal year's budget, the Board of Aldermen shall by resolution adopt the Capital Improvement Program with or without amendment (Referendum of 11-4-75).

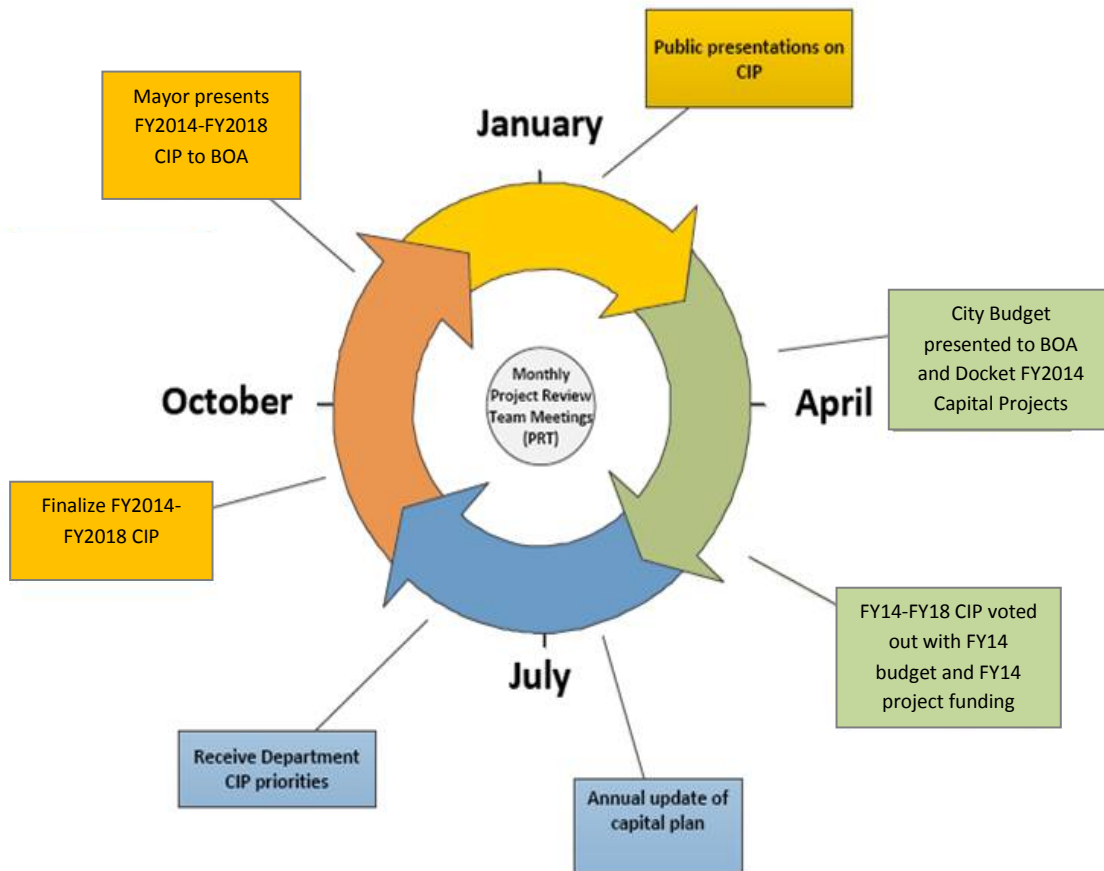


Figure 6. Annual Capital Improvement Plan Calendar Cycle

**CITY OF NEWTON
5 YEAR CAPITAL IMPROVEMENT PLAN
BY
PRIORITY**

FY2014-2018 CIP by Priority

ESCALATED COSTS (Costs in FY2015-2018 are escalated 3.5% a year)

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | Total | Total | Total | Total | Total |
|----------|------------------|--|--|--------------------|-------------|-----------------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | | | | \$ 46,641,575 | \$ 40,233,912 | \$ 55,880,081 | \$ 41,272,841 | \$ 37,477,694 |
| | | | | | | | | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
| 1 | Schools | Angier School - Renovation or Replacement | \$7.5M anticipated from MSBA. Renovate/ replace 92 yr old school due to poor condition, aging bldg systems and inadequate space per State Ed standards. | \$ 35,000,000 | 63.1 | Bonding /MSBA | \$ 750,000 | \$ 5,000,000 | \$ 17,500,000 | \$ 12,500,000 | | |
| 2 | Schools | Carr School - Building Renovation | Create swing space for on-going Elem. school bldg projects. Includes system and accessibility upgrades, sprinklers, sitework, windows, and roof. | \$ 12,700,000 | 55.1 | Bonding | \$ 1,000,000 | \$ 11,700,000 | | | | |
| 3 | Fire Dept | Fire Station #3, HQs, and Wires - Renovate/Replace Newton Centre Station | Station #3 needs major repairs/upgrades. Co-located w/ Fire HQs. Upgrade 60 yo systems for code compliance, access & female firefighters. | \$ 17,500,000 | 55.1 | Bonding | | \$ 4,000,000 | \$ 5,000,000 | \$ 8,500,000 | | |
| 4 | DPW/ Sewer | Sewer Inflow /Infiltration Project - West Newton Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY13) and constr (FY14) for West Newton area. | \$ 5,643,625 | 52.0 | Enterprise Funds | \$ 902,000 | \$ 4,741,625 | | | | |
| 5 | DPW/ Water | Replace Water Pipes to Improve Fire Flows | Year two of 3 year program to replace and repair water pipes in order to meet ISO fire flow standards which are currently deficient. | \$ 3,851,000 | 51.1 | Enterprise Funds | | \$ 3,851,000 | | | | |
| 6 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Memorial-Spaulding, Zervas, and Underwood Elementary Schools. | \$ 250,000 | 50.6 | Other | | \$ 250,000 | | | | |
| 7 | Schools | Lincoln Eliot School - Add Four Modular Classrooms | Add modular classrooms for growing enrollment. Project includes sprinklers for the entire building as required by building code. | \$ 3,000,000 | 50.5 | Bonding | | \$ 3,000,000 | | | | |
| 8 | Public Buildings | Remove Underground Storage Tanks at City Buildings | Remove tanks at Fire Station 10, City Hall, Police HQ, and Senior Center. Tanks are no longer needed. | \$ 125,000 | 50.4 | Other | | \$ 125,000 | | | | |
| 9 | Fire Dept | Fire Station #10 (Dedham Street) Renovation | Project will address aging building systems, code upgrades, access and accommodations for female firefighters. | \$ 4,252,000 | 50.3 | Bonding | \$ 780,000 | \$ 3,472,000 | | | | |
| 10 | DPW | Crafts Street Garage - Building Envelope & Roof Repair/ Replacemnt | Address active roof leaks and masonry gap. Repair flashing; replace roof with new EPDM Roof. FY13 design & ph 1 constr. FY14 phase 2 construction. | \$ 870,000 | 50.3 | Bonding | \$ 260,000 | \$ 610,000 | | | | |
| 11 | Schools | Cabot School - Renovation and Addition/Replacement | FY14 feasibility study. Project will address aging systems, access, sprinklers, and space needs. Include cost to move to Carr and back to Cabot. \$7.5M anticipated from MSBA. | \$ 37,500,000 | 50.0 | Bonding /MSBA | | \$ 750,000 | | \$ 15,000,000 | \$ 22,500,000 | |
| 12 | Fire Dept | Replace Fire Dept Rescue Truck and Rescue Boat | Replace Special Ops. 1994 Ford (174K miles) Rescue truck needed for specialized rescue, with specialized tools and equipment. Special Ops gets taken out of service. | \$ 600,000 | 49.8 | Other | | | | | | |
| 13 | DPW | Street Paving - Cold Plane and Pave 21 Streets | Streets include Lowell, Webster, Homer, Wolcott, Hawthone, Weldon, Bellevue, Summit, Lenox, Regent, Waban, Washington (2 sections), Morton, Hillside, | \$ 2,627,240 | 49.6 | Chapt 90/ Alt Funds | | \$ 2,627,240 | | | | |
| 14 | Schools | Zervas and Bigelow School Electrical Upgrades | Upgrades to electrical system and replace panels at Bigelow Middle School and Zervas Elemenatry School. | \$ 80,000 | 49.5 | Bonding | | \$ 80,000 | | | | |
| 15 | Schools | Bowen School - Mechanical Upgrades | Remove underground storage tank and replace or convert to gas if enough gas pressure. Leak detection system has failed. | \$ 100,000 | 49.5 | Bonding | | \$ 100,000 | | | | |
| 16 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 164,000 | 49.4 | Enterprise Funds | | \$ 164,000 | | | | |
| 17 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Library, Lincoln Eliot, Franklin, Underwood, Cabot Schools thru NSTAR preferred vendor program. | \$ 2,000,000 | 49.1 | Energy Stabilztn Fund | \$ 1,000,000 | \$ 1,000,000 | | | | |
| 18 | Senior Center | Senior Center - Mechanical Upgrades | Replace fans and air handling units. Change boiler burner to gas-fired. Replace basement fan coil unit. Improve operation & efficiency for consistent heating/cooling temps | \$ 188,000 | 49.1 | Bonding | | \$ 188,000 | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------|---|--|--------------------|-------------|---------------------|--------------------|--------------|--------------|------------|------------|---------------|
| 19 | Schools | Horace Mann - Add Classroom | Additional classroom needed to address immediate space needs. Create new classroom within existing building footprint. | \$ 75,000 | 49.1 | Other | | \$ 75,000 | | | | |
| 20 | DPW | Repair / Improve Wales St. Bridge (Wellesley MOU) | Repairs required in response to Mass DOT bridge inspection findings. Include new guardrails and bridge railings for height and impact safety requirements. | \$ 400,000 | 49.1 | Chapt 90/ Alt Funds | | \$ 400,000 | | | | |
| 21 | DPW/ Sewer | Islington Road Sewer Pump Station - Replace Pumps | Sewerage is pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pumps, motors and flow recorder which are at life expectancy. | \$ 100,000 | 49.0 | Enterprise Funds | | \$ 100,000 | | | | |
| 22 | Schools | Ed Center - Pre-K Building Upgrades | Renovate toilet rooms for Pre-school and other improvements to correct water infiltration issues and address HVAC and space needs. | \$ 1,000,000 | 49.0 | Bonding | | \$ 1,000,000 | | | | |
| 23 | Parks/Rec | Lower Falls Community Center - Accessibility/ Site Upgrades | Code required project to provide accessible toilet rooms, an accessible drinking fountain, and lift to provide access to gym level. | \$ 300,000 | 48.9 | Bonding | \$ 25,000 | \$ 275,000 | | | | |
| 24 | Schools | Ward School - Accessible Entrance | Code required project to provide accessible entrance, toilet, and water fountain. | \$ 200,000 | 48.9 | Bonding | | \$ 200,000 | | | | |
| 25 | IT | Install Citywide IT Data Network | IT Advisory Cmte recommends implementing City-wide network as high priority imperative to improve speed, reliability, and security to build framework for | \$ 1,750,000 | 48.9 | Other | \$ 500,000 | \$ 250,000 | \$ 258,750 | \$ 267,806 | \$ 277,179 | \$ 286,881 |
| 26 | Parks/Rec | Crystal Lake - Water Filtration System | Upgrade water filtration system to mitigate algae. | \$ 100,000 | 48.7 | Bonding | | \$ 100,000 | | | | |
| 27 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service (#148). Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. Contracting out services is alternative at great | \$ 172,000 | 48.6 | Bonding | | \$ 172,000 | | | | |
| 28 | DPW/ Water | Replace 2002 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs. (#309) | \$ 130,000 | 48.6 | Enterprise Funds | | \$ 130,000 | | | | |
| 29 | DPW/ Sewer | Elliot Street Sewer Pump Station - Repair Pumps | Sewerage is pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pumps and flow recorder which are at life expectancy. | \$ 100,000 | 48.6 | Enterprise Funds | | \$ 100,000 | | | | |
| 30 | DPW/ Sewer | Replace 2003 Backhoe | Replacement of existing city vehicle/ equipment used in sewer line repairs and maintenance (#327). | \$ 120,000 | 48.6 | Enterprise Funds | | \$ 120,000 | | | | |
| 31 | DPW/ Sewer | Replace 2004 Sewer Clam Truck | Replacement of damaged city vehicle/ equipment used to clean sewer catch basins and brook grates. (#330) | \$ 200,000 | 48.6 | Enterprise Funds | | \$ 200,000 | | | | |
| 32 | Schools | Zervas School - Renovation and Addition/ Replacement | FY14 feasibility study. Project to address space needs due to growing enrollment, bldg systems, access. Include cost to move to Carr and back to Zervas | \$ 42,500,000 | 48.6 | Bonding /MSBA | | \$ 750,000 | | | | \$ 17,500,000 |
| 33 | DPW | DPW - Replace 1995 Backhoe | Replacement of existing city vehicle/ equipment that is beyond useful life, used for street & sidewalk repairs. (#130). | \$ 110,000 | 48.4 | Bonding | | \$ 110,000 | | | | |
| 34 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Lower Falls Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY14) and constr (FY15) for Lower Falls area. | \$ 3,861,585 | 48.4 | Enterprise Funds | | \$ 523,710 | \$ 3,454,701 | | | |
| 35 | DPW/ Water | Replace Water Pipes to Improve Fire Flows | Year three of 3 year program to replace and repair water pipes in order to meet ISO fire flow standards which are currently deficient. | \$ 4,209,000 | 48.3 | Enterprise Funds | | | \$ 4,356,315 | | | |
| 36 | Schools | Peirce School - Mechanical Upgrades | Replace one 60 yo boiler and associated systems. 2nd boiler and DDC conversion in future project. Remove underground tank. | \$ 240,000 | 48.3 | Bonding | | | \$ 248,400 | | | |
| 37 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 48.2 | Chapt 90/ Alt Funds | | \$ 150,000 | | | | |
| 38 | Library | Newton Free Library - Mechanical Upgrades | Interior air handler replacement, pneumatic DDC controls conversion, replace chiller controls, repair/restore ice tank system. | \$ 1,100,000 | 48.2 | Bonding | | | \$ 517,500 | \$ 321,368 | \$ 332,615 | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|---|--------------------|-------------|-----------------------|--------------------|------------|--------------|--------------|------------|------------|
| 39 | Police | Police Headquarters - Mechanical Upgrades | Replace Roof Top Mechanical equipment that is beyond its useful life. Currently requires a lot of maintenance and service calls. | \$ 300,000 | 48.0 | Bonding | | | \$ 310,500 | | | |
| 40 | Schools | Horace Mann School - Exterior Masonry | Concrete around building has settled and cracked in various places creating a tripping hazard. Repair to prevent further deterioration. | \$ 100,000 | 47.6 | Bonding | | | \$ 103,500 | | | |
| 41 | DPW | Street Paving - Cold Plane and Pave 20 Streets | Roads include Lowell, Melrose, Staniford, Freeman, Lake, Crystal, Berwick, Oak, Grove, Central, Bridge, Temple, Walnut, Linwood, Walnut Pl, Newtonville, Daniel, Ridge, | \$ 3,032,150 | 47.6 | Chapt 90/ Alt Funds | | | \$ 3,032,150 | | | |
| 42 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 62,000 | 47.4 | CDBG Eligible | | \$ 62,000 | | | | |
| 43 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Ward, Mason Rice, Zervas, and Williams Schools thru NSTAR preferred vendor program. | \$ 1,000,000 | 47.3 | Energy Stabilztn Fund | | | \$ 1,035,000 | | | |
| 44 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Chestnut Hill Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY15) and constr (FY16) for Chestnut Hill area. | \$ 6,510,150 | 47.3 | Enterprise Funds | | | \$ 1,301,538 | \$ 5,626,743 | | |
| 45 | Schools | Lincoln Eliot School - Plumbing Upgrades | Replace deteriorated sanitary pipe, distribution, risers and vents, toilet rooms. Assess issues in FY15 to determine scope of additional work. | \$ 650,000 | 47.1 | Bonding | | | \$ 207,000 | | \$ 498,923 | |
| 46 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at Park bldgs and Fire Department Headquarters. Tanks are beyond their useful life expectancy. | \$ 100,000 | 47.1 | Bonding | | | \$ 103,500 | | | |
| 47 | Schools | Horace Mann School - Electrical/ Emergency Generator | Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system. Upgrade elec service/ panels. | \$ 350,000 | 47.1 | Bonding | | | \$ 129,375 | | | |
| 48 | DPW/ Water | DPW-Water/Utilities Department - Mechanical Upgrades | Install CO/NOx detection system for garage so that the detection of gas energizes the existing exhaust fans. Install backdraft damper on fans. | \$ 75,000 | 47.0 | Enterprise Funds | | | \$ 77,625 | | | |
| 49 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Bigelow Middle School, NSHS, and the Ed Center. | \$ 260,000 | 47.0 | Other | | | \$ 269,100 | | | |
| 50 | Fire Dept | Fire Station #1, Newton Corner - Replace Emergency Generator | Replace emergency electrical generator (30kW, 208Y/120V, 3-Phase, 4-Wire) and transfer switch which are at the end of their useful lives. | \$ 123,000 | 46.9 | Bonding | | | \$ 127,305 | | | |
| 51 | DPW/ Sewer | Quinobequin Road Sewer Pump Station - Replace Pump | Sewerage pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pump 1 and motors at life expectancy. | \$ 380,000 | 46.8 | Enterprise Funds | | \$ 120,000 | | | \$ 144,133 | \$ 149,178 |
| 52 | DPW/ Water | Replace 2002 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#311). | \$ 130,000 | 46.5 | Enterprise Funds | | | \$ 134,550 | | | |
| 53 | DPW/ Storm | Cheesecake Brook Drainage Basin: Repair and Rebuild Retaining Wall | Wall integrity is jeopardized. Project to minimize property damage due to flooding from heavy rains and compromised conveyance systems. Phase I is survey. | \$ 300,000 | 46.5 | Enterprise Funds | | | \$ 103,500 | | | |
| 54 | DPW | DPW - Replace Large Construction Trucks | Replace 2 vehicles taken out of service: Vehicle #73 and #40. Required for sanding fleet for snow and for construction work. | \$ 300,000 | 46.3 | Bonding | | | \$ 310,500 | | | |
| 55 | Parks/Rec | Newton Centre Playground Phase V & VI - Accessibility | Add ADA compliant access route to a portion of Newton Centre Playground. Approved for CDBG funding by City Commission on Disability. | \$ 90,000 | 46.3 | CDBG Eligible | | \$ 45,000 | \$ 46,575 | | | |
| 56 | Public Buildings | City Hall - Plumbing and Accessibility Improvements | Upgrade toilet rooms for improved accessibility as required by code. | \$ 100,000 | 45.9 | Bonding | | | \$ 103,500 | | | |
| 57 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 45.8 | Chapt 90/ Alt Funds | | | \$ 150,000 | | | |
| 58 | DPW/ Sewer | Replace 1995 Sewer Jet Truck | Replacement of vehicle/ equipment used to clear out blockages in the sewer system to prevent sewer backups. (#369). | \$ 240,000 | 45.8 | Enterprise Funds | | | \$ 248,400 | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|---|--------------------|-------------|-----------------------|--------------------|-----------|------------|--------------|--------------|--------|
| 59 | DPW | Traffic Light Improvements at Washington Street Intersection (Waltham/Watertown Streets) | Upgrade traffic signal and intersection on Washington St at Waltham/Watertown Sts to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 45.7 | Chapt 90/ Alt Funds | | | \$ 75,000 | | | |
| 60 | Police | Police Headquarters - Roof Repair/ Replacement | Repair EPDM roof leaks. Repair copper cornice roof. Replace firing range roof. | \$ 83,000 | 45.6 | Bonding | | | \$ 85,905 | | | |
| 61 | DPW/ Storm | Repair Hammond St Drain | Storm drain pipe has partially collapsed and requires repair to prevent flooding. | \$ 200,000 | 45.6 | Enterprise Funds | | | \$ 207,000 | | | |
| 62 | DPW/ Water | Water Pump - Rebuild and Repair Dedham Street Water Pump | Replace 60 hp pump in Fire Station #10; boosts water pressure in high areas of City. Pumps fill Oak Hill Tank. Coord w/construct. | \$ 100,000 | 45.6 | Enterprise Funds | | | \$ 103,500 | | | |
| 63 | DPW | Street Paving - Cold Plane and Pave 21 Streets | Streets include Vernon, Eldredge, Elmwood, Beacon, Pembroke, Durant, Hanson, Bishopsgate, Hammondswood, Monadnock, Otis, Adams, Circuit, Converse, Ruthven, | \$ 2,796,372 | 45.6 | Chapt 90/ Alt Funds | | | | \$ 2,796,372 | | |
| 64 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Countryside, Mem-Spauld and Peirce Schools and Ed Center thru NSTAR preferred vendor program. | \$ 1,000,000 | 45.5 | Energy Stabilztn Fund | | | | \$ 1,071,225 | | |
| 65 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 45.5 | CDBG Eligible | | | \$ 65,723 | | | |
| 66 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 1) | Replace Engine 1.1999 Pumper Truck which will exceed life expectancy in 2014, and replace spare engine (1992) that should no longer be used | \$ 600,000 | 45.4 | Bonding | | | | \$ 642,735 | | |
| 67 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at DPW Crafts Street Operations Center, Cabot Pk Fieldhouse, and DPW Elliot Street Operations Center. Tanks are beyond useful life. | \$ 100,000 | 45.3 | Bonding | | | | \$ 107,123 | | |
| 68 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,034,180 | 45.1 | Enterprise Funds | | | | \$ 4,321,514 | | |
| 69 | Schools | Ed Center - Electrical Upgrades | Upgrade electric service, panels and sub-panels to support IT server room and other building functions. | \$ 225,000 | 44.6 | Bonding | | | | \$ 241,026 | | |
| 70 | DPW | Streetlights - Convert to Energy Efficient Fixtures (LED) | Convert 140 existing high pressure sodium Rte 9 streetlights to LED lights to reduce City's carbon footprint and annual electricity budget. | \$ 100,000 | 44.4 | Chapt 90/ Alt Funds | | \$ 50,000 | | \$ 50,000 | | |
| 71 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Newton Centre | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY16) and constr (FY17) for Newton Centre area. | \$ 3,958,875 | 44.3 | Enterprise Funds | | | | \$ 609,795 | \$ 3,758,138 | |
| 72 | Schools | Ed Center - Exterior Masonry Work | Repair, repoint and clean exterior masonry. This is Phase II of work begun in FY13. | \$ 400,000 | 44.1 | Bonding | | | | \$ 107,123 | | |
| 73 | Public Buildings | City Hall - Envelope - Masonry Repairs | On-going program to repair and repoint exterior masonry to preserve building envelope. Address worst areas first. | \$ 425,000 | 44.0 | Bonding | | | | \$ 133,903 | | |
| 74 | Fire Dept | Fire Station #1, Newton Corner - Replace Tanks | Remove diesel and heating oil tanks, replace with tanks from Countryside Schl. Abate room. Gas conversion and and other mech. work in future renovation work. | \$ 75,000 | 43.8 | Bonding | | | | \$ 80,342 | | |
| 75 | Schools | FA Day School - Replace Boilers | Replace two 60 year old boilers and variable air volume (VAV) coil work. | \$ 450,000 | 43.8 | Bonding | | | | \$ 107,123 | \$ 388,051 | |
| 76 | DPW | DPW - Replace 1985 Excavator | Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#110) Beyond usefull life expectancy. | \$ 270,000 | 43.8 | Bonding | | | | \$ 289,231 | | |
| 77 | DPW | Replace Gath/Albemarle Foot Bridge | Footbridge is in poor condition and is not wheelchair accessible. Footbridge is part of evacuation route for Day MS. | \$ 150,000 | 43.7 | CDBG Eligible | | | | \$ 160,684 | | |
| 78 | DPW/ Sewer | Prairie Avenue Sewer Pump Station | Station built 1950, rehabbed in 1992. Contains 2 (5 hp) pumps. Replace wet well. | \$ 100,000 | 43.7 | Enterprise Funds | | | | \$ 107,123 | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|---|--------------------|-------------|-----------------------|--------------------|---------|------------|------------|------------|-----------|
| 79 | Public Buildings | City Hall - Mechanical Upgrades | Replace condensing units. Replace and insulate ductwork and replace fans. Add mini-split A/C units in conjunction with window restoration /replacement. | \$ 425,000 | 43.7 | Bonding | \$ 50,000 | | | \$ 267,806 | \$ 138,590 | |
| 80 | Parks/Rec | Pelligrini Park Field House - Mechanical Upgrades | Replace boiler, remove underground storage tank. Convert to gas, provide new heating controls, fans and heaters in future. | \$ 250,000 | 43.6 | Bonding | | | | \$ 160,684 | | |
| 81 | Schools | Horace Mann School - Replace Roof | Replace Total Building 1986 Built up roof area. Roof has reached its life expectancy. | \$ 375,000 | 43.5 | Bonding | | | | \$ 401,709 | | |
| 82 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 43.5 | CDBG Eligible | | | | | \$ 70,404 | |
| 83 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Lincoln-Eliot, Pierce, and Franklin Elementary Schools. | \$ 280,000 | 43.4 | Other | | | | \$ 299,943 | | |
| 84 | Public Buildings | City Hall - Exterior Windows & Doors | Restore/Replace windows in phases to improve energy efficiency, functionality and comfort, and to preserve exterior wall. | \$ 1,000,000 | 42.4 | CPA Eligible | | | \$ 517,500 | \$ 535,613 | | |
| 85 | DPW | Traffic Light Improvements at Beacon Street and Langley Road Intersection | Upgrade traffic signal and intersection at Beacon St. and Langley Rd to improve safety and visibility, and for ADA compliance. | \$ 75,000 | 42.0 | Chapt 90/ Alt Funds | | | | \$ 75,000 | | |
| 86 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 41.4 | Chapt 90/ Alt Funds | | | | \$ 150,000 | | |
| 87 | Parks/Rec | Tree Crew Bucket Truck | Current truck has been in service since 2004. Over 90% of Tree Work requires this truck. Without it most work could not be done. | \$ 165,000 | 41.0 | Other | | | | \$ 176,752 | | |
| 88 | DPW/ Sewer | Replace 2001 10-Wheeler Large Capacity Construction Truck | Replace vehicle/ equipmt used to haul materials for treching / backfilling for sewer line repairs. Also used for snow removal. (#365) | \$ 160,000 | 41.0 | Enterprise Funds | | | | \$ 171,396 | | |
| 89 | DPW/ Water | Replace 2004 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#316). | \$ 130,000 | 41.0 | Enterprise Funds | | | | \$ 139,259 | | |
| 90 | DPW | Walnut Street (Homer Street to Route 9) - Final Design | Eliminate deteriorated roadway condition and enhance public safety. Arterial minor. Federal funds for constr only. Design funded by City. | \$ 250,000 | 40.9 | Chapt 90/ Alt Funds | | | | \$ 250,000 | | |
| 91 | DPW/ Storm | Rehabilitation of Forest Grove Storm System Pump Station | Pump station is used for flood and mosquito control of Flowed Meadow and needs upgrades and repair work to function properly. | \$ 150,000 | 40.8 | Enterprise Funds | | | | \$ 160,684 | | |
| 92 | Schools | Bigelow School - Mechanical Upgrades | Boilers are 54 years old and beyond their useful life. Replace one boiler now and one in future year. | \$ 250,000 | 40.8 | Bonding | | | | | \$ 277,179 | |
| 93 | Schools | Brown School - Mechanical Upgrades | Study options for repair /replacement. Steam system has failed. \$50K/yr to address steam leaks. Hot water conversion in next ten years (\$2M). Periodically causes | \$ 2,000,000 | 40.5 | Other | | | | | \$ 55,436 | |
| 94 | DPW | Streetlights - Gaslight Conversion for Energy Efficiency | Convert 19 gas lights to electric lights on existing utility poles. Convert 56 gaslights to electric lights where no streetlight pole exists. Requires installation of conduit, | \$ 234,000 | 40.5 | Other | | | | | | |
| 95 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Horace Mann, Brown, Oak Hill and NSHS thru NSTAR preferred vendor program. | \$ 500,000 | 40.4 | Energy Stabilztn Fund | | | | | \$ 554,359 | |
| 96 | DPW | Crafts Street Garage - Mechanical Upgrades | Complete roof top unit work begun in stimulus project. Replace fans, duct work, unit heaters. Provide gas detection system. | \$ 400,000 | 40.4 | Bonding | | | | | \$ 443,487 | |
| 97 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 40.3 | CDBG Eligible | | | | | | \$ 72,868 |
| 98 | Fire Dept | Fire Station #2, West Newton - Replace Emergency Generator | Replace emergency generator which is at the end of it useful life. Install life/safety equipment stored in Wires Division. | \$ 163,000 | 40.3 | Bonding | | | | | \$ 180,721 | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-------------------|--|--|--------------------|-------------|---------------------|--------------------|---------|--------|--------|--------------|--------------|
| 99 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,018,200 | 40.2 | Enterprise Funds | | | | | \$ 4,455,050 | |
| 100 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Nonantum Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY17) and constr (FY18) for Nonantum area. | \$ 4,505,355 | 40.2 | Enterprise Funds | | | | | \$ 631,138 | \$ 4,516,771 |
| 101 | Schools | Lincoln Eliot School - Replace Emergency Generator | Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system. | \$ 150,000 | 40.1 | Bonding | | | | | \$ 166,308 | |
| 102 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Exterior Windows & Doors | Restore/replace historic exterior doors and windows. Weatherstrip and seal for energy efficiency. Window bay foundation repairs. | \$ 217,000 | 40.0 | CPA Eligible | | | | | \$ 240,592 | |
| 103 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at the Public Buildings Department, Auburndale and Nonantum Libraries. Tanks are beyond useful life. | \$ 100,000 | 39.9 | Bonding | | | | | \$ 110,872 | |
| 104 | Schools | Remove/Replace Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Williams, Mason-Rice, and Ward Schools. | \$ 260,000 | 39.8 | Other | | | | | \$ 288,267 | |
| 105 | DPW | Street Paving - Cold Plane and Pave 18 Streets | Streets include Crafts, Ward, Morton, Parker, Varick, Annawan, Bennington, Bound Brook, Tower, Henshaw St, Henshaw Ter, Kilburn, Vine, Fuller, Town House Dr, Mill, | \$ 2,904,480 | 39.6 | Chapt 90/ Alt Funds | | | | | \$ 2,904,480 | |
| 106 | Jackson Homestead | Jackson Homestead - Archives Project | Renovate Archives area for compact, environmentally controlled archives storage; add accessible entrance ramp, and code compliance upgrades | \$ 463,421 | 39.2 | CPA Eligible | \$ 463,421 | | | | | |
| 107 | DPW | Engineering Map Scanning Project Phase I | Phased project. Current maps are deteriorating rapidly. A new storage system would allow DPW to store maps after scanning. Proposed to be a phased project. | \$ 100,000 | 39.1 | CPA Eligible | | | | | | |
| 108 | DPW | Traffic Light Improvements at Washington Street Intersection (Cherry/Highland Streets) | Upgrade traffic signal and intersection on Washington St at Cheery St and Highland to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 39.1 | Chapt 90/ Alt Funds | | | | | \$ 75,000 | |
| 109 | DPW | Crafts St DPW Operations (Stable) - Restore Building Envelope, Windows & Roof | Preserve historic building envelope. Repoint/repair lintels, sills and brick veneer. Restore/replace windows, doors and roof and cupola as historically appropriate. | \$ 943,000 | 38.9 | CPA Eligible | | | | | | |
| 110 | Fire Dept | Replace Fire Department SCBA Gear | Replace the department Self-contained breathing apparatus (SCBA), purchased in FY 2007. | \$ 350,000 | 38.3 | Other | | | | | | |
| 111 | Fire Dept | Fire Station #1, Newton Corner - Replace Windows & Doors & Repair Masonry | Remove existing windows and replace w/energy efficient insulated units(64ea). Repair and repoint exterior masonry to preserve building envelope. | \$ 386,000 | 38.3 | Bonding | | | | | \$ 427,965 | |
| 112 | Fire Dept | Fire Station #2, West Newton - Replace Ext. Windows & Doors | Remove existing wood windows and replace with new energy efficient insulated windows (40ea). | \$ 87,000 | 38.3 | Bonding | | | | | \$ 96,458 | |
| 113 | Schools | Brown School - Replace Underground Storage Tank | Tank is beyond useful life and needed to ensure safe fuel supply to the building. | \$ 200,000 | 38.1 | Bonding | | | | | \$ 221,744 | |
| 114 | DPW/ Storm | Assessment of Storm System | Assess storm system to determine prioritized list of needed investments for next 10-20 years. | \$ 350,000 | 38.1 | Enterprise Funds | | | | | \$ 388,051 | |
| 115 | DPW | Repave Pearl Street Parking Lot | Repave Pearl Street municipal parking lot which is in poor condition. | \$ 125,000 | 38.0 | Chapt 90/ Alt Funds | | | | | \$ 125,000 | |
| 116 | DPW/ Storm | Laundry Brook Culvert Repairs | Repair of culverts along Laundry Brook to prevent flooding. | \$ 643,000 | 38.0 | Enterprise Funds | | | | | \$ 712,906 | |
| 117 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 37.8 | Chapt 90/ Alt Funds | | | | | \$ 150,000 | |
| 118 | DPW | DPW - Replace Large Construction Trucks | Replace vehicles out of service: Vehicle #101 (1993) and #69 (1983) Required for sanding for snow and for construction work. | \$ 300,000 | 37.8 | Bonding | | | | | \$ 332,615 | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|---------------------|--------------------|-----------|-----------|-----------|------------|--------------|
| 119 | DPW/ Water | Replace 2004 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#310). | \$ 130,000 | 37.8 | Enterprise Funds | | | | | \$ 144,133 | |
| 120 | DPW/ Water | Replace 2008 Backhoe | Replacement of existing city vehicle/ equipment used in water line repairs and maintenance (#328) | \$ 120,000 | 37.8 | Enterprise Funds | | | | | \$ 133,046 | |
| 121 | Public Buildings | Auburndale Library -Building Envelope and Roof | Repair broken roof slates. Reflash where leaks are occurring. Repair/replace gutters and downspouts. Pitch rain leaders away from bldg. Repair concrete ramp. Grout | \$ 128,000 | 37.7 | CPA Eligible | | | | | | |
| 122 | DPW | Street Paving - Cold Plane and Pave 26 Streets | Dedham, Prince, Berkeley, Cherry, Highland Ave, Grafton, Bald Pate, Waban, Lyman, Lee, Colbert, East Colbert, Oak Cliff, Whittier, Paul, Allerton, Locksley, Rotherwood, | \$ 2,984,197 | 37.7 | Chapt 90/ Alt Funds | | | | | | \$ 2,984,197 |
| 123 | Schools | Ed Center - Mechanical Upgrades | Replace boiler, second boiler and hot water conversion in out years. Boilers are 35 years old. | \$ 1,000,000 | 37.6 | Bonding | | | | | | \$ 286,881 |
| 124 | DPW/ Sewer | Hamlet Street Sewer Pump Station - Replace Pumps | Sewerage is pumped to a higher point and gravity fed to MWRA pipes for treatment. Replace pumps and motors. | \$ 100,000 | 37.6 | Enterprise Funds | | | | | | \$ 114,752 |
| 125 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at Fire Station #1 and Fire Station #2. Tanks are beyond useful life. | \$ 100,000 | 37.5 | Bonding | | | | | | \$ 114,752 |
| 126 | DPW | DPW - Replace 1997 Backhoe | Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#120) at useful life expectancy. | \$ 110,000 | 37.5 | Bonding | | | | | | \$ 126,228 |
| 127 | DPW | Parking Improvements | Phased project to upgrade parking meters/install kiosks to take credit cards as well as cash. Repave city parking lot in poor condition (Pearl Street lot). | \$ 250,000 | 37.4 | Chapt 90/ Alt Funds | | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| 128 | Public Buildings | Waban Library-Roofs | Remove slate and install new slate roof, gutters and downspouts. | \$ 252,000 | 37.4 | CPA Eligible | | | | | | |
| 129 | DPW | Crafts St. Salt Storage Sheds Replacement | Salt storage sheds at Crafts St. are in state of disrepair; more cost effective to replace rather than repair. Consolidate to one new shed. Include new foundations. | \$ 400,000 | 37.4 | Bonding | | | | | | \$ 459,009 |
| 130 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 3) | Replace Engine 3, a 2004 Pumper Truck; to be used as spare to replace spare Engine 14, a 1992 pumper that should no longer be used. | \$ 600,000 | 37.4 | Bonding | | | | | | \$ 688,514 |
| 131 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,074,600 | 37.3 | Enterprise Funds | | | | | | \$ 4,675,697 |
| 132 | Schools | Newton South High School - Fire Alarm Upgrades | Upgrade fire alarm system to be fully addressable. | \$ 150,000 | 37.3 | Bonding | | | | | | \$ 172,128 |
| 133 | Schools | Remove/Replace Underground Tanks at Oak Hill Middle School | Replace underground tanks that are beyond useful life at Oak Hill Middle School. If possible, convert to gas and remove tanks. | \$ 230,000 | 37.2 | Other | | | | | | \$ 263,930 |
| 134 | DPW/ Water | Water Tanks - Remove Stanton Ave. & Winchester St. Water Tanks | Based on hydraulic studies, tanks are no longer needed to maintain water pressure. Structural assessment may be needed. | \$ 600,000 | 37.2 | Enterprise Funds | | | | | | \$ 688,514 |
| 135 | Police | Police Annex - Emergency Generator | Replace generator with emergency battery back-up system. Update system for ADA compliance. Upgrade exterior lighting & occupancy sensors. | \$ 140,000 | 37.1 | Bonding | | | | | | \$ 160,653 |
| 136 | DPW/ Water | Replace Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs | \$ 130,000 | 37.1 | Enterprise Funds | | | | | | \$ 149,178 |
| 137 | DPW | Traffic Light Improvements at Washington Street and Perkins Intersection | Upgrade traffic signal and intersection on Washington St at Perkins Street to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 37.1 | Chapt 90/ Alt Funds | | | | | | \$ 75,000 |
| 138 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 37.1 | CDBG Eligible | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|---------------------|--------------------|---------|--------|--------|--------|--------------|
| 139 | Schools | Ed Center - Accessibility Upgrades | Upgrade elevator, door hardware, and signage for accessibility. | \$ 400,000 | 37.1 | Bonding | | | | | | \$ 114,752 |
| 140 | Schools | Burr School - Accessibility Upgrades | Upgrade entrance ramp, elevator, toilet rooms, and door hardware for accessibility. | \$ 300,000 | 37.1 | Bonding | | | | | | \$ 114,752 |
| 141 | Schools | Newton South High School - Mechanical Upgrades | Replace air handlers and roof top equipment and remove underground storage tanks. | \$ 375,000 | 37.1 | Bonding | | | | | | \$ 430,321 |
| 142 | Parks/Rec | Newton Highlands Playgrnd - Ph I Design & Construction | 2008 Master Plan for park renovation in 2 phases. Ph I to address drainage problems & build new ball fields and courts. Highly used park. | \$ 1,650,000 | 37.1 | Bonding | | | | | | \$ 1,893,413 |
| 143 | DPW | DPW - Replace 1994 Packer Trash Collection Vehicle | Replacement of existing city vehicle/ equipment used for collecting trash/recycling in Parks & Village Centers. (#52) | \$ 150,000 | 37.1 | Bonding | | | | | | \$ 172,128 |
| 144 | Parks/Rec | Gath Pool - New Swim Facility Design and Construction | Replace outdated / failing City Pool Facility. Existing bldg naturally vented to outside putting pipes and interior surfaces at risk of failure. | \$ 7,500,000 | 37.0 | Bonding | | | | | | \$ 573,762 |
| 145 | Public Buildings | City Hall - Sprinklers and Fire Alarm Upgrades | Plan installation of sprinkler system and addressable fire alarm upgrades in City Hall in conjunction with other building upgrades. | \$ 1,215,000 | 36.9 | Bonding | | | | | | |
| 146 | DPW/ Storm | Pellegrini Park Drain Replacement | Replace existing pipe which has settled and is causing flooding. | \$ 130,000 | 36.9 | Enterprise Funds | | | | | | \$ 149,178 |
| 147 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 36.8 | Chapt 90/ Alt Funds | | | | | | \$ 150,000 |
| 148 | DPW/ Sewer | Replace 2005 Large Construction Vehicles | Replace vehicles/equipment used to haul materials for trenching/ backfilling for sewer line repairs. Also used for snow plowing (#366 and #367) | \$ 300,000 | 36.7 | Enterprise Funds | | | | | | \$ 344,257 |
| 149 | Police | Police Annex - Exterior Windows & Doors & Building Envelope | Restore/replace windows and doors with historically appropriate energy efficient units. Repoint exterior brick and entry ramp. Repair stone lintels. | \$ 200,000 | 36.6 | CPA Eligible | | | | | | |
| 150 | Library | Newton Free Library - Generator Replacement | Library used as cooling station for residents. Existing energy agreement mandates peak usage on auxillary power when regional demand is high extreme. | \$ 250,000 | 36.4 | Bonding | | | | | | |
| 151 | Fire Dept | New Fire Dept Combo Lighting / Cascade Truck/ Emergency Rescue Unit. | Truck lights up area during night time operations with a cascade system allowing refill of air tanks at the incident; carries Haz Mat supplies. | \$ 100,000 | 36.4 | Bonding | | | | | | |
| 152 | Public Buildings | City Hall - Roof Repair/Replacement | Install new membrane roof on flat roofs. Repair/replace gutters on balcony roofs. Replace metal roofing and flashing as required. | \$ 1,226,000 | 36.4 | Bonding | | | | | | |
| 153 | Public Buildings | City Hall - Electrical Upgrades | Replace emergency generator and electrical upgrades. | \$ 225,000 | 36.3 | Bonding | | | | | | |
| 154 | Public Buildings | City Hall - Elevator and Accessibility Upgrades | Current elevator installed in 1976 and does not meet current ADA requirements. | \$ 300,000 | 36.3 | Bonding | | | | | | |
| 155 | Schools | Ward School - Mechanical Upgrades | Hot water conversion and distribution as part of future major renovation. (Could also keep the steam system for approx \$500K). Include in major renovation. | \$ 2,000,000 | 36.2 | Bonding | | | | | | |
| 156 | Schools | Ward School - Accessibility Improvements | Future building renovation will address hardware, toilets, elevator, etc. (stage access, railings signage, water fountains). | \$ 1,480,000 | 36.2 | Bonding | | | | | | |
| 157 | Fire Dept | Fire Station #2, West Newton - Mechanical Upgrades | Remove fuel storage tanks and convert to gas. Other mechanical work to be done as part of future building renovation. | \$ 140,000 | 36.2 | Bonding | | | | | | |
| 158 | Schools | Bowen School - Roof Replacement | Replace of 1950's portion of the building's roofing system as it has reached its life expectancy. | \$ 180,000 | 36.2 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|---|--------------------|-------------|------------------|--------------------|---------|--------|--------|--------|--------|
| 159 | Schools | Mason Rice School - Electrical Upgrades | Replace emergency generator, electrical panels and sub-panels. | \$ 325,000 | 36.1 | Bonding | | | | | | |
| 160 | Schools | Peirce School - Plumbing Upgrades | Sanitary piping is deteriorating. Upgrades to toilet rooms and water fountains | \$ 225,000 | 36.0 | Bonding | | | | | | |
| 161 | Schools | Mason Rice School - Replace Roof | Replace the 1990's Sarnifil roofing system on the main portion of the building. Existing roof has reached its life expectancy. | \$ 580,000 | 35.9 | Bonding | | | | | | |
| 162 | Schools | Bigelow School - Roof Replacement | Replace entire building roof system. Roof is beyond its useful life. | \$ 750,000 | 35.9 | Bonding | | | | | | |
| 163 | Schools | Burr School - Replace Roof | Replace the total building roofing system installed in the 1980's. | \$ 450,000 | 35.9 | Bonding | | | | | | |
| 164 | Public Buildings | City Hall - Rehabilitate Board of Alderman Chamber | Upgrade Historic Board Chamber to improve mechanical, electrical, audio/visual systems and lighting and interior finishes. | \$ 250,000 | 35.8 | CPA Eligible | | | | | | |
| 165 | DPW/ Water | Needham Street - Clean and Line Water Main - Oak to Charlemont | Deferred. Cleaning and lining 760 LF of 8" water main, 1880. This precedes upcoming TIP funded road reconstruction project. | \$ 136,800 | 35.7 | Enterprise Funds | | | | | | |
| 166 | Public Buildings | City Hall - Masonry Repairs/Restoration, Memorial Steps | Implement recommendations from 2007 Study of the Memorial Stairs. | \$ 135,000 | 35.7 | CPA Eligible | | | | | | |
| 167 | DPW/ Water | Wolcott St - Replace Water Main at Wolcott St - Webster to Ionia | Deferred due to paving. Replace 1,150 LF of 6" water main with 8", 1905. This precedes scheduled roadway paving. | \$ 230,000 | 35.6 | Enterprise Funds | | | | | | |
| 168 | Schools | Mason Rice School - Mechanical Upgrades | Direct Digital Controls conversion and upgrade heating distribution system. | \$ 450,000 | 35.6 | Bonding | | | | | | |
| 169 | DPW | Elliot St. Garage - Electrical Upgrades | Upgrade / replace egress lighting and exit signage per code. Upgrade audible fire alarm and strobes to ADA compliance. Replace receptacles, conduit, electric panels. | \$ 192,000 | 35.5 | Bonding | | | | | | |
| 170 | Schools | Bowen School - Mechanical Upgrades | Replace interior air handlers in first year. Direct Digital Controls conversion. | \$ 325,000 | 35.5 | Bonding | | | | | | |
| 171 | Fire Dept | Replace Fire Dept Bucket Truck | Replace 1996 F800 with 165K miles on it. Not cost effective to keep it on the road. Safety components are failing, putting personnel at risk. | \$ 200,000 | 35.4 | Bonding | | | | | | |
| 172 | Public Buildings | Waban Library-Accessibility Upgrades | Upgrade toilet rooms, Replace door hardware; Modify door at stairwell or install automatic door opener. | \$ 110,000 | 35.4 | CDBG Eligible | | | | | | |
| 173 | Schools | Burr School - Sitework Sidewalk Ramp Repairs | Front stair railing collapsing; catch basin at entrance plaza, parking area, make accessible route | \$ 280,000 | 35.4 | Bonding | | | | | | |
| 174 | Schools | Bigelow School - Replace Windows and Doors | Replace aging windows and exterior doors to improve comfort, operation, and energy efficiency. | \$ 400,000 | 35.4 | Bonding | | | | | | |
| 175 | Schools | Underwood School - Accessibility Upgrades | Accessibility upgrades including compliant door hardware, Toilets, and Elevator | \$ 415,000 | 35.4 | Bonding | | | | | | |
| 176 | DPW | Crafts St DPW Operations (Stable) - Interior Renovation | Design and Construction for renovated interior including mechanical, electrical, plumbing, and accessibility upgrades. | \$ 500,000 | 35.2 | CPA Eligible | | | | | | |
| 177 | DPW | Elliot St. Operations Building - Building Envelope | Repair foundation walls and rebuild ramp foundation walls. Repair/replace areaway retaining wall. Repair cracks; repoint mortar joints. | \$ 123,000 | 35.2 | Bonding | | | | | | |
| 178 | DPW | DPW - Replace 1998 Front End Loader | Replacement of existing city vehicle/ equipment used to load materials for street & sidewalk repairs. (#104) | \$ 160,000 | 35.2 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|------------------|--------------------|---------|--------|--------|--------|--------|
| 179 | Parks/Rec | Crystal Lake Bathhouse - Renovate/Replace | Existing bathhouse is in poor condition and is not accessible. Renovate/Replace bathhouse and improve site. | \$ 5,000,000 | 35.2 | CPA Eligible | | | | | | |
| 180 | Schools | Memorial Spaulding School - Mechanical Upgrades | Replace controls, air handlers. Replace 2nd boiler, hot water conversion, and Direct Digital Controls conversion. | \$ 750,000 | 35.2 | Bonding | | | | | | |
| 181 | Schools | Underwood School - Replace Roof | Replace whole building roof in 2 phases. | \$ 450,000 | 35.1 | Bonding | | | | | | |
| 182 | Schools | Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System | Replace Roof top air handling units and distribution system | \$ 250,000 | 35.1 | Bonding | | | | | | |
| 183 | Schools | Newton South High School - Electrical Upgrades | Upgrades to Lighting and controls | \$ 150,000 | 35.1 | Bonding | | | | | | |
| 184 | Parks/Rec | Burr Park Field House - Building Envelope and Window Restoration | Repair damaged exterior brick walls and trim. Remove entry landing stairs and railings and install new code-compliant landing, stairs and railings. Restore windows. | \$ 313,500 | 35.1 | CPA Eligible | | | | | | |
| 185 | Parks/Rec | Replace Weeks Playground Tennis Courts | Replace 4 existing tennis courts at Weeks Playground. | \$ 220,000 | 35.1 | Bonding | | | | | | |
| 186 | Parks/Rec | Replace McGrath Playground (Warren) Tennis Courts | Replace 4 existing tennis courts at McGrath Playground (Warren). | \$ 220,000 | 35.1 | Bonding | | | | | | |
| 187 | DPW/ Water | Webster St. - Clean and Line Water Main on Webster St | Deferred due to paving. Waltham to Wolcott (FY14). Cleaning and lining 3,150 LF of 8" water main, 1932. This precedes scheduled roadway paving. | \$ 759,000 | 35.1 | Enterprise Funds | | | | | | |
| 188 | Parks/Rec | Pelligrini Park Field House - Accessibility/ Site Upgrades | Provide accessible toilet rooms, door hardware, signage and a hi-low drinking fountain. Resurface and re-grade path to play area. | \$ 183,500 | 35.0 | CDBG Eligible | | | | | | |
| 189 | Parks/Rec | Emerson Community Center - Accessibility Upgrades | Upgrade toilet rooms, install accessible door hardware and drinking fountains; Resurface main entrance ramp and install handrails. | \$ 209,000 | 35.0 | Bonding | | | | | | |
| 190 | Schools | Williams School - Mechanical Upgrades | Replace Air handlers. Direct Digital Controls conversion for HVAC system. | \$ 200,000 | 34.9 | Bonding | | | | | | |
| 191 | Schools | Underwood School - Mechanical Upgrades | Upgrade Distribution system, controls, and remove underground tank. | \$ 525,000 | 34.9 | Bonding | | | | | | |
| 192 | Public Buildings | City Hall - Repair/Replace Stone Entry Stairs and Accessible Ramp | Rebuild accessible ramp. Repair and repoint stone cornice. Rebuild/reset main entry stairs and install code-compliant railings. | \$ 324,000 | 34.9 | Bonding | | | | | | |
| 193 | Schools | Countryside School - Mechanical Upgrades | Replace RTUs at Annex, Direct Digital Control conversion | \$ 250,000 | 34.9 | Bonding | | | | | | |
| 194 | Schools | Ward School - Mechanical Upgrades | Replace second boiler and steam trap work. | \$ 300,000 | 34.9 | Bonding | | | | | | |
| 195 | Schools | Bigelow School - Mechanical Upgrades | Replace 2nd boiler and associated equipment, distribution and univents. Boilers are 54 years old. Replace one boiler in the first year. | \$ 960,000 | 34.9 | Bonding | | | | | | |
| 196 | Police | Police Annex - Mechanical Upgrades | Replace baseboard heaters in bathrooms. Provide proper ventilation/exhaust in locker rooms and bathrooms. Replace boiler with new high efficiency gas-fired boiler. | \$ 170,000 | 34.9 | Bonding | | | | | | |
| 197 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. | \$ 172,000 | 34.8 | Bonding | | | | | | |
| 198 | DPW | Elliot Street Sand_Salt Shed - Structural and Envelope Repairs | Replace wood truss members. Add brace supports at ends to prevent walls from buckling. Repair wood buttresses and extend push wall 10' higher to keep weight of salt off | \$ 142,000 | 34.8 | Bonding | | | | | | |

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|----------|------------------|---|---|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 199 | Public Buildings | Nonantum Library-Mechanical | Replace baseboard heating on first floor. Provide pipe insulation. Replace air handling unit in basement with new controls. Provide exhaust fan, 150 CFM in basement | \$ 205,000 | 34.7 | Bonding | | | | | | |
| 200 | Fire Dept | Fire Station #1, Newton Corner - Renovation | 5th station of 7 buildings to be renovated. Work includes building envelope, interior finishes, mechanical, electrical, plumbing, life/safety, ADA upgrades. | \$ 7,230,000 | 34.6 | Bonding | | | | | | |
| 201 | Schools | Lincoln Eliot School - Mechanical Upgrades | Hot water conversion w/renovation, 2nd boiler and distribution system. | \$ 525,000 | 34.6 | Bonding | | | | | | |
| 202 | Parks/Rec | Emerson Community Center - Mechanical Upgrades | Replace existing cast iron radiators with new steam baseboard units. Remove and replace all old insulation on heating pipes. Potential abatement needed. | \$ 75,000 | 34.6 | Bonding | | | | | | |
| 203 | Parks/Rec | Jeanette Curtis West Rec Ctr (The Hut) Renovation | Rehabilitation of building envelope, mechanical, electrical, plumbing systems, life-safety, and accessibility of this historically significant structure. Houses many programs. | \$ 1,500,000 | 34.5 | CPA Eligible | | | | | | |
| 204 | Public Buildings | Waban Library-Electrical | Replace electrical panel. Replace exterior lighting to improve safety. Replace main electric service and wiring. Upgrade lighting to improve energy efficiency. | \$ 108,000 | 34.5 | Bonding | | | | | | |
| 205 | Fire Dept | Replace Fire Dept Aerial Ladder (Ladder 2) | Replace Ladder 2. 15 years old. Maxed out on life expectancy; to be used as spare to replace Spare Ladder 5 a 1985 ladder to be taken out of service. | \$ 1,000,000 | 34.4 | Bonding | | | | | | |
| 206 | Police | Police Annex - Roof Restoration/ Replacement | Remove and replace slate roofing, gutters and downspouts. Install new EPDM Roof. Reattach downspouts. | \$ 250,500 | 34.4 | CPA Eligible | | | | | | |
| 207 | Fire Dept | Fire Station #2, West Newton - Repair Building Envelope | Address structural crack in CMU wall first. Repoint/ repair exterior masonry. | \$ 166,000 | 34.4 | Bonding | | | | | | |
| 208 | Parks/Rec | Pelligrini Park Field House - Replace Roofs | Replace lower roofing membrane, gutters and downspouts. Replace upper Gym membrane roof with a new EPDM roof. | \$ 225,000 | 34.4 | Bonding | | | | | | |
| 209 | Health | Health Department Bldg - (ReUse Consideration) | All Health Dept Building Recommended work. Envelope is highest need. Building is in re-use process. | \$ 1,500,000 | 34.2 | CPA Eligible | | | | | | |
| 210 | Schools | Bowen School - Electrical Upgrades | Replace electrical panels and sub-panels in original buildings. | \$ 75,000 | 34.2 | Bonding | | | | | | |
| 211 | Public Buildings | Nonantum Library-Electrical | Upgrade interior lighting and power distribution. Replace electrical panel and main electrical service. | \$ 101,637 | 34.2 | Bonding | | | | | | |
| 212 | Parks/Rec | Tree Crew Log Loader | Current equipment has been in service since 2006. Essential for emergency response and hazardous tree removal. | \$ 240,000 | 34.1 | Other | | | | | | |
| 213 | Parks/Rec | Gath Pool - Electrical and Mechanical Upgrades | Upgrade fire alarm and egress lighting. Replace electrical panels. Install exhaust fans. Replace Heater Pump, piping and fittings. | \$ 142,000 | 34.0 | Bonding | | | | | | |
| 214 | Public Buildings | Kennard Estate - Replace Septic System | Replace Septic System by connecting to City Sewer Infrastructure. | \$ 100,000 | 34.0 | Bonding | | | | | | |
| 215 | Schools | Horace Mann School - Accessibility Upgrades | Upgrade toilet rooms, water fountains and door hardware for accessibility. | \$ 220,000 | 33.9 | Bonding | | | | | | |
| 216 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. | \$ 172,000 | 33.9 | Bonding | | | | | | |
| 217 | Public Buildings | City Hall - Increase City Clerk Archive Storage | Develop plans to expand archival storage to accommodate and preserve archival collections and to comply with MGL mandated record storage requirements. | \$ 100,000 | 33.8 | CPA Eligible | | | | | | |
| 218 | Public Buildings | Auburndale Library -Exterior Windows & Doors | Remove existing exterior wood doors and frames and replace with new doors and hardware. Repair/replace building windows. | \$ 127,000 | 33.8 | CPA Eligible | | | | | | |

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| 219 | Public Buildings | Waban Library-Exterior Windows & Doors | Restore exterior wood door and install panic hardware. Replace areaway and rear door. Restore windows. | \$ 118,500 | 33.6 | CPA Eligible | | | | | | |
| 220 | Parks/Rec | Newton Highlands Playground - Phase II Design & Construction | 2008 Master Plan for park renovation in 2 phases. Ph II will complete the fields to provide tennis courts and football field. | \$ 1,925,000 | 33.6 | Bonding | | | | | | |
| 221 | Parks/Rec | Lower Falls Community Center - Electrical Upgrades | Upgrade lighting and power distribution. Update fire alarm horn strobes and beacons. | \$ 84,000 | 33.6 | Bonding | | | | | | |
| 222 | DPW | Elliot St. Garage - New Windows and Doors and Envelope Repairs | Replace metal windows and security screens. Remove and replace overhead doors with new insulated overhead doors. Repair exterior brick and at steel window lintels. | \$ 103,000 | 33.6 | Bonding | | | | | | |
| 223 | Schools | Ward School - Electrical Upgrades | Upgrade electrical panels and distribution system. | \$ 210,000 | 33.6 | Bonding | | | | | | |
| 224 | Parks/Rec | Emerson Community Center - Electrical Upgrades | Replace switchboard and increase service size to meet electrical demands. Replace original overloaded electrical panels. Install emergency audiovisual horn strobes. | \$ 108,000 | 33.6 | Bonding | | | | | | |
| 225 | DPW | Commonwealth Avenue (Route 128 to Washington Street) - Preliminary and Final Design | Eliminate deteriorated roadway condition, improve public safety and restore Comm Ave to previous boulevard status. Arterial minor. | \$ 500,000 | 33.6 | Chapt 90/ Alt Funds | | | | | | |
| 226 | DPW | Washington Street (Commonwealth Avenue to Centre Street) - Preliminary and Final Design | Eliminate deteriorated roadway condition and improve public safety. Arterial minor. Federal funds for constr only. Design funded by City. | \$ 500,000 | 33.6 | Chapt 90/ Alt Funds | | | | | | |
| 227 | Library | Library Book Autocheckin/ Sorting System | Almost 2 million library materials/yr checked in automatically and sorted by material type | \$ 210,000 | 33.5 | Bonding | | | | | | |
| 228 | DPW | DPW - Replace 1984 Do All Large Construction Truck | Replacement of existing city vehicle/ equipment used for street & sidewalk construction and snow removal operations. (#87) | \$ 150,000 | 33.5 | Bonding | | | | | | |
| 229 | Fire Dept | Fire Station #2, West Newton - Renovation | 6th station of 7 buildings to be renovated. Work includes mechanical, electrical, plumbing, code compliance and accessibility upgrades. | \$ 7,700,000 | 33.5 | Bonding | | | | | | |
| 230 | DPW | Elliot St. Operations Building - Roof Repair/ Replacement | Remove and replace corrugated fiberglass roof. Repair/replace existing slate roof and add ice shield to prevent ice damming and icicle build-up. Repair/replace gutters. | \$ 235,000 | 33.5 | Bonding | | | | | | |
| 231 | Police | Police Garage - Mechanical Upgrades | Replace ceiling hung unit heaters. Provide bathroom exhaust fan and split air conditioning system. Remove abandoned steam piping to prevent possibility of freezing. | \$ 164,000 | 33.5 | Bonding | | | | | | |
| 232 | DPW | DPW - Replace 1993 Bombadier Sidewalk Plow | Replacement of existing city vehicle/ equipment used to maintain clear sidewalks throughout the City during snow events. (#173) | \$ 125,000 | 33.5 | Bonding | | | | | | |
| 233 | Senior Center | Senior Center - Sprinklers and Fire Alarm Upgrades | Install code-compliant sprinkler system in building in conjunction with any major building upgrade or addition. | \$ 170,000 | 33.4 | Bonding | | | | | | |
| 234 | Public Buildings | City Hall - Plumbing Upgrades | Renovate toilet rooms and replace cold and hot water piping as required. Provide insulation for all piping. | \$ 137,000 | 33.2 | Bonding | | | | | | |
| 235 | Schools | Ward School - Replace Roof | Replace Flat Gym 1980's built up roofing system. It has reached its life expectancy. | \$ 160,000 | 33.1 | Bonding | | | | | | |
| 236 | Schools | Memorial Spaulding School - Replace Roof | Replace 1980's Built up roof area. It has reached its life expectancy. | \$ 350,000 | 33.1 | Bonding | | | | | | |
| 237 | Parks/Rec | Burr Park Field House - Mechanical/Electrical Upgrades | Replace steam boiler, radiators, venting and piping. Replace exterior lighting to improve safety and security. Upgrade interior lighting and original wiring and conduit. | \$ 100,000 | 33.1 | Bonding | | | | | | |
| 238 | Public Buildings | Public Buildings Department-Electrical | Replace electrical distribution panels and main electrical service. Upgrade Telcom and Electrical infrastructure to BICSI and Electrical code. Replace interior lights to improve | \$ 118,000 | 33.1 | Bonding | | | | | | |

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|----------|------------------|--|---|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 239 | Schools | Bigelow School - Accessibility Upgrades | Upgrade toilet rooms, elevator, door hardware and signage for accessibility | \$ 400,000 | 33.1 | Bonding | | | | | | |
| 240 | Public Buildings | Public Buildings Department-Mechanical | Replace duct mounted steam coils and baseboard heaters. Replace ductwork with insulated ductwork. Provide make up air dampers and control for emergency generator. | \$ 115,000 | 32.9 | Bonding | | | | | | |
| 241 | Parks/Rec | Newton Upper Falls/ Braceland Playground - Design & Construction | Master Plan for park renovation - Construction will include new athletic fields, new play structure and sitework and improvements. | \$ 1,675,000 | 32.8 | Bonding | | | | | | |
| 242 | Senior Center | Senior Center - Exterior Windows & Doors | Restore/Replace wood windows and aluminum storm windows as historically appropriate. | \$ 125,000 | 32.7 | CPA Eligible | | | | | | |
| 243 | Parks/Rec | Pelligrini Park Field House - Exterior Windows & Doors | Replace windows and security screens with new insulated windows and new security screens. Repair and repoint masonry walls and restore murals. | \$ 130,500 | 32.5 | Bonding | | | | | | |
| 244 | Senior Center | Senior Center - Building Envelope | Repoint exterior masonry walls as required. Repair, reset and regrout main granite front stairs. Repair stone veneer at main entry. Rebuild rear right side areaway and stairs. | \$ 150,000 | 32.4 | CPA Eligible | | | | | | |
| 245 | Parks/Rec | Burr Park Field House - Accessibility/Site Upgrades | Accessibility upgrades to toilet rooms and fixtures, signage, drinking fountain, and door hardware. Provide accessible path to entrance and an accessible parking space. | \$ 160,500 | 32.4 | Bonding | | | | | | |
| 246 | Public Buildings | Kennard Estate-Building Envelope, Windows and Doors | Replace shingles and flashings. Repair foundation walls. Replace wood windows and shutters with historic, appropriate units. | \$ 240,000 | 32.3 | Bonding | | | | | | |
| 247 | Public Buildings | Auburndale Library -Mechanical Upgrades | Replace boiler with new steam oil-fired boiler. Replace breeching, combustion air dampers and ductwork. Include heating zone and radiators in basement area. Replace | \$ 125,000 | 32.3 | Bonding | | | | | | |
| 248 | Parks/Rec | Pelligrini Park Field House - Electrical Upgrades | Upgrade lighting and power distribution for energy efficiency. Provide protective cages over gym fixtures. Replace electric panels. | \$ 176,000 | 32.1 | Bonding | | | | | | |
| 249 | Schools | Lincoln Eliot School - Replace Windows and Doors | Replace windows in 1965 addition and 1975 clerestory windows | \$ 280,000 | 32.0 | Bonding | | | | | | |
| 250 | Fire Dept | Replace Fire Pumper Truck (Engine 7) | Replace Engine 7 pumper truck. Engine 7 will become a spare. | \$ 600,000 | 32.0 | Bonding | | | | | | |
| 251 | Schools | FA Day School - Accessibility Upgrades / Replace Elevator | Upgrades for ADA Compliant elevator, toilet rooms, door hardware, and signage | \$ 350,000 | 32.0 | Bonding | | | | | | |
| 252 | Police | Police Garage - Roof Replacement | Replace PVC roof installed in the 1990's as required. It has reached life expectancy. Repair water divertor above support service door. | \$ 193,000 | 31.9 | Bonding | | | | | | |
| 253 | DPW | Crafts Street Garage - Replace Overhead Garage Doors | Replace ten 25-year old overhead doors and tracks. Replace exterior entrance doors and vestibule doors. | \$ 80,000 | 31.9 | Bonding | | | | | | |
| 254 | Parks/Rec | Replace Parks Dump Truck (replace 1998 truck #430) | Replacement of vehicle that is used daily for maintenance operations that exceeded its useful life span. | \$ 75,000 | 31.8 | Bonding | | | | | | |
| 255 | Schools | Franklin School - Building Envelope | Replace windows and doors and repair/restore masonry. | \$ 700,000 | 31.7 | Bonding | | | | | | |
| 256 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Building Envelope | Repair front entry concrete. Install new side entry stairs and handrails. Remove and replace wood stairs. Install vents throughout balance of soffits. | \$ 114,500 | 31.3 | Bonding | | | | | | |
| 257 | Police | Police Headquarters - Repair Concrete | Repair concrete at the fire range ceiling. Rebuild tunnel ceiling, waterproof, etc. Repair interior CMU and concrete walls. Replace carpet flooring that is a tripping hazard. | \$ 100,000 | 31.3 | Bonding | | | | | | |
| 258 | DPW | Elliot St. Operations Building - Mechanical/ Plumbing Upgrades | Boiler upgrades per code reqts. Replace unit heaters and finned tube heaters. Upgrade bathrooms. Replace water heater. | \$ 169,000 | 31.3 | Bonding | | | | | | |

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|----------|------------------|---|---|--------------------|-------------|------------------|--------------------|---------|--------|--------|--------|--------|
| 259 | Schools | Horace Mann School - Restore/Replace Modular | Existing modular is nearing the end of its useful life and will need to be reconditioned or replaced with permanent construction | \$ 1,000,000 | 31.2 | Bonding | | | | | | |
| 260 | Public Buildings | City Hall - War Memorial Auditorium Improvements | Upgrade historic hall to improve mech, elect systems and acoustics. Space under-utilized due to poor acoustics and A/V deficiencies. | \$ 150,000 | 31.1 | CPA Eligible | | | | | | |
| 261 | Fire Dept | Replace Fire Dept 1994 Cube Van W-4 | Replace 1994 Ford Cube Van (85,000 miles) for Wires Division which is responsible for city fiber optic, fire alarms, radio and phone systems. | \$ 60,000 | 30.9 | Bonding | | | | | | |
| 262 | Parks/Rec | Auburndale Cove Fieldhouse - Building Upgrades | Project to fully upgrade existing building or replace with new structure. | \$ 206,000 | 30.7 | Bonding | | | | | | |
| 263 | Public Buildings | City Hall - Kitchen Mechanical Upgrades | Repair, upgrade kitchen equipment and stove ventilation in cafeteria kitchen to comply with current code requirements. | \$ 168,000 | 30.5 | Bonding | | | | | | |
| 264 | Parks/Rec | Upper Falls Fieldhouse-Building Upgrades | Upgrade or replace building. Work includes lighting, toilet rooms, roofing and envelope repairs. | \$ 123,000 | 30.3 | Bonding | | | | | | |
| 265 | DPW/ Water | Hillside Ave - Otis to Austin | Deferred. Replace 1048 LF of 6" water main with 8", 1877. This precedes scheduled roadway paving. | \$ 209,600 | 30.2 | Enterprise Funds | | | | | | |
| 266 | Schools | Franklin School - Mechanical Upgrades | Replace boilers, hot water conversion, and Direct Digital Control conversion. | \$ 825,000 | 30.2 | Bonding | | | | | | |
| 267 | Schools | Bowen School - Accessibility Upgrades | Upgrades to toilet rooms, signage, hardware, railings and assembly spaces for accessibility. | \$ 200,000 | 30.1 | Bonding | | | | | | |
| 268 | Schools | Franklin School - Accessibility and Plumbing Upgrades | Upgrade Toilet rooms, Water fountains, Door hardware and signage for accessibility. | \$ 365,000 | 30.1 | Bonding | | | | | | |
| 269 | Schools | Mason Rice School - Accessibility Upgrades | Upgrade hardware, toilet rooms, and water fountains for accessibility. | \$ 185,000 | 30.1 | Bonding | | | | | | |
| 270 | Schools | Memorial Spaulding School - Accessibility Upgrades | Upgrade toilet rooms, door hardware, water fountains, and signage for accessibility. | \$ 300,000 | 30.1 | Bonding | | | | | | |
| 271 | Schools | Lincoln Eliot School - Accessibility Upgrades | Upgrade toilet rooms, door hardware, elevator, entrance ramp, and signage for accessibility. | \$ 940,000 | 30.1 | Bonding | | | | | | |
| 272 | DPW | Engineering Map Scanning Project Phase II | Phased project. Current maps are deteriorating rapidly. A new storage system would allow DPW to store maps after scanning. | \$ 900,000 | 30.1 | CPA Eligible | | | | | | |
| 273 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Site/ Accessibility Upgrades | Re-build the main entry ramp to be code compliant. Make ADA door opening device fully functioning. | \$ 86,000 | 30.0 | CDBG Eligible | | | | | | |
| 274 | Police | Police Annex - Accessibility Upgrades | Provide accessible toilet rooms, door hardware, signage and drinking fountain. Provide a lower transaction counter. | \$ 83,500 | 30.0 | CDBG Eligible | | | | | | |
| 275 | DPW | Elliot St. Operations Building - Replace Windows & Doors | Remove and replace windows. Replace overhead doors. Replace exterior and interior doors. | \$ 80,000 | 29.9 | Bonding | | | | | | |
| 276 | DPW | Crafts St. Quonset Hut Replacement | Replace Quonset Hut at Crafts St. with new facility. Covered storage extends life of vehicles and equipment | \$ 350,000 | 29.8 | Bonding | | | | | | |
| 277 | Schools | Underwood School - Electrical Upgrades | Upgrades to electrical panels and sub-panels and emergency generator | \$ 100,000 | 29.6 | Bonding | | | | | | |
| 278 | Schools | Williams School - Accessibility Upgrades | Upgrade door hardware, openings, toilet rooms, railings, and signage for accessibility. | \$ 250,000 | 29.6 | Bonding | | | | | | |

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|----------|-------------------|--|--|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 279 | Senior Center | Senior Center - Roof Restoration/ Replacement | Restore/replace existing slate roof, gutters, and downspouts. Replace existing flat roof with new membrane roof and provide proper roof drains. | \$ 244,000 | 29.6 | CPA Eligible | | | | | | |
| 280 | Parks/Rec | Lower Falls Community Center - Replace Gym Floor | Replace gym floor with new wood flooring. Replace damaged carpeting and VCT flooring. | \$ 80,000 | 29.3 | Bonding | | | | | | |
| 281 | Police | Police Garage - Accessibility/Site Upgrades | Provide accessible door hardware, signage and code-compliant lower counters. Install accessible employee toilet room. | \$ 80,000 | 28.9 | CDBG Eligible | | | | | | |
| 282 | Parks/Rec | Replace Cold Spring Park Tennis Courts | Replace 3 existing tennis courts at this location. Courts have deteriorated. | \$ 150,000 | 28.7 | Bonding | | | | | | |
| 283 | Parks/Rec | Replace Halloran Field Athletic Lighting (Albemarle) | Replace the athletic lighting at the City's premier athletic complex | \$ 150,000 | 28.4 | Bonding | | | | | | |
| 284 | Police | Police Garage - Electrical Upgrades | Connect Garage to generator. Upgrade interior and exterior lighting for energy. Replace conduit, wiring, distribution panel. Upgrade smoke/fire detection system. | \$ 207,000 | 28.4 | Bonding | | | | | | |
| 285 | Schools | Peirce School - Accessibility Upgrades | Upgrades to door hardware, toilet rooms, railings, and signage for accessibility. | \$ 300,000 | 28.4 | Bonding | | | | | | |
| 286 | Public Buildings | Nonantum Library-Roofs and Building Envelope | Remove and replace slate roof. Install new gutters and downspouts. Remove and replace existing flat roof. | \$ 200,000 | 28.3 | CPA Eligible | | | | | | |
| 287 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Roof Restoration/ Replacement | Replace/restore slate roof as historically appropriate. | \$ 75,500 | 27.5 | CPA Eligible | | | | | | |
| 288 | Jackson Homestead | Jackson Homestead - Object Collection Storage | Create offsite climate controlled space with fire protection to house museum collections. Currently no space to manage add'l materials. | \$ 100,000 | 27.5 | CPA Eligible | | | | | | |
| 289 | DPW | Crafts Street Garage - Site Upgrades | Install accessible ramp at entrance. Provide accessible toilet rooms. Resurface and re-grade pavement to comply with ADA requirements; Provide accessible parking space. | \$ 194,000 | 26.7 | Bonding | | | | | | |
| 290 | Schools | Lincoln Eliot School - Electrical Upgrades | Replace electric panels and sub-panels. | \$ 125,000 | 26.7 | Bonding | | | | | | |
| 291 | Public Buildings | Auburndale Library - Electrical Upgrades | Electrical and lighting upgrades for code compliance and to improve energy efficiency. Replace electric panel. | \$ 86,607 | 26.5 | Bonding | | | | | | |
| 292 | Public Buildings | Public Buildings Department-Roofs | Paint corrugated metal shed roof. Install new roof shingles. Paint rafter ends and plywood. Remove skylights and replace with solar light tubes. | \$ 97,000 | 26.5 | Bonding | | | | | | |
| 293 | Police | Police Garage - Windows & Doors and Building Envelope | Replace overhead doors and glass block windows. Replace door to planning/research and glass block wall. Repair masonry veneer exterior. Repair step cracking in CMU | \$ 140,000 | 26.4 | Bonding | | | | | | |
| 294 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 4) | Replace Engine 4. A 2010 pumper. Engine 4 will become a spare. | \$ 600,000 | 26.2 | Bonding | | | | | | |
| 295 | Schools | Peirce School - Electrical Upgrades | Replace electric panels and sub-panels. | \$ 75,000 | 26.1 | Bonding | | | | | | |
| 296 | Schools | Zervas School - Plumbing Upgrades | Upgrades toilet rooms and water fountains. | \$ 100,000 | 26.1 | Bonding | | | | | | |
| 297 | Schools | Burr School - Electrical Upgrades | Replace electric panels and sub-panels | \$ 100,000 | 26.1 | Bonding | | | | | | |
| 298 | Parks/Rec | Replace Cabot Park Tennis Courts | Replace two existing tennis courts at Cabot Park. | \$ 100,000 | 26.0 | Bonding | | | | | | |

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|----------|-------------------|--|--|--------------------|-------------|------------------|--------------------|---------|--------|--------|--------|--------|
| 299 | DPW | Elliot St. Operations Building - Accessibility/Site | Restripe pavement and provide parking signage to create accessible parking spaces; construct an accessible entrance to the building. | \$ 85,000 | 26.0 | Bonding | | | | | | |
| 300 | Schools | Countryside School - Plumbing Upgrades | Upgrade toilet rooms and water fountains, and add fixtures per code requirements. | \$ 125,000 | 26.0 | Bonding | | | | | | |
| 301 | Public Buildings | Waban Library-Building Envelope and Entrance | Replace main entry walk and foundation walls and install railing. Rebuild side stairs at main entry. Rebuild stairs at rear entry. Install hand rail on one side of rear entry | \$ 200,000 | 25.8 | CPA Eligible | | | | | | |
| 302 | Schools | Horace Mann School - Mechanical Upgrades | Replace 2nd boiler and replace modular roof top air handling units | \$ 300,000 | 25.7 | Bonding | | | | | | |
| 303 | DPW/ Water | DPW-Water/Utilities Department - Accessibility Upgrades | Entrance ramp, toilet room and water fountain upgrades, door hardware, lift, etc to improve accessibility. | \$ 240,000 | 25.7 | Enterprise Funds | | | | | | |
| 304 | Schools | Ward School - Replace Windows and Doors | Replace windows in gym wing and storefront system. | \$ 425,000 | 25.6 | Bonding | | | | | | |
| 305 | Public Buildings | Kennard Estate-Accessibility/Site | Provide accessible parking spaces and install accessible entrance ramp. | \$ 127,350 | 25.5 | Other | | | | | | |
| 306 | Schools | Countryside School - Replace Windows and Doors | Replace single pane storefront system in connector and annex windows and exterior doors. | \$ 500,000 | 25.3 | Bonding | | | | | | |
| 307 | Schools | Brown School - Accessibility Upgrades | Upgrade existing elevator for code compliance, signage, hardware, and reconfigure locker rooms for accessibility. | \$ 600,000 | 24.8 | Bonding | | | | | | |
| 308 | Schools | Countryside School - Accessibility Upgrades | Upgrade toilets, signage, door hardware, and accessible entrance. | \$ 150,000 | 24.8 | Bonding | | | | | | |
| 309 | Jackson Homestead | Jackson Homestead - Exterior Windows & Doors | Restore existing windows and doors as historically appropriate. | \$ 192,000 | 24.8 | CPA Eligible | | | | | | |
| 310 | Fire Dept | Fire Dept Equipment Replacement | Replace firefighters personal turnout gear. NFPA Standard is to replace every 10 yrs; now 3 yrs old. Best to replace incrementally instead of all at once. | \$ 400,000 | 24.7 | Bonding | | | | | | |
| 311 | DPW/ Storm | Repair Bulloughs Pond Sluice Gate | Repair poorly functioning gate valve used to regulate water storage capacity in City Hall ponds for stormwater. | \$ 60,000 | 24.1 | Enterprise Funds | | | | | | |
| 312 | Public Buildings | Nonantum Library-Accessibility/Site | Reconfigure entry vestibules and reconstruct ADA compliant ramp; Upgrades for toilet rooms and drinking fountain. | \$ 204,000 | 23.9 | CDBG Eligible | | | | | | |
| 313 | Schools | Schools - Repave Parking Areas | Repave parking areas and sidewalks in poor condition at Ward, Brown, Underwood, Mason Rice, Oak Hill, Williams, Zervas and Peirce. | \$ 400,000 | 23.7 | Bonding | | | | | | |
| 314 | Fire Dept | Replace Fire Dept Aerial Ladder (Ladder 3) | Replace Ladder 3. 15 years old. Ladder 3 becomes a spare, replacing spare Ladder 4. | \$ 1,000,000 | 23.5 | Bonding | | | | | | |
| 315 | Parks/Rec | City Hall and War Memorial Historic Landscape Preservation Project | Restoration and preservation of City Hall grounds Historic Landscape | \$ 1,500,000 | 23.4 | CPA Eligible | | | | | | |
| 316 | Parks/Rec | Replace Newton South High School Tennis Courts | Replace existing courts at this location and lighting. Consider Private-Public Partnership. | \$ 750,000 | 23.3 | Bonding | | | | | | |
| 317 | DPW | New DPW Equipment Shelter - Elliot St | Provide covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment | \$ 150,000 | 23.2 | Bonding | | | | | | |
| 318 | Jackson Homestead | Restoration of Historic East Burying Grounds | Preservation of Remaining 24 Tombs in two of the three burying grounds. Priority to South, then East Parish, then West Parish sites. | \$ 148,135 | 22.5 | CPA Eligible | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-------------------|---|---|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 319 | DPW | Elliot St. Garage - Roof Repair/Replacement | Replace/repair EPDM roof. Replace damaged roof panels. | \$ 91,000 | 22.2 | Bonding | | | | | | |
| 320 | Public Buildings | Auburndale Library -Accessibility and Site Upgrades | Install accessible toilet rm. Enlarge landing at side entry and rebuild concrete paths. Replace door hardware to be ADA compliant. Replace handrails at basement entrance | \$ 265,000 | 21.9 | CDBG Eligible | | | | | | |
| 321 | Jackson Homestead | Repair/Replace Fencing at Historic Burying Grounds | Restoration of Fences at all 3 burying grounds | \$ 406,600 | 20.0 | CPA Eligible | | | | | | |
| 322 | Parks/Rec | Farlow & Chaffin Parks Historic Landscape Preservation Plan | Restoration and preservation of Farlow and Chaffin Park. Could break out into design vs construction- 2 yrs | \$ 640,000 | 19.8 | CPA Eligible | | | | | | |
| 323 | Jackson Homestead | Restoration of Historic West Burying Grounds | Preservation of Remaining 24 Tombs in two of the three burying grounds. | \$ 146,000 | 19.2 | CPA Eligible | | | | | | |
| 324 | DPW | Elliot St. Operations Building - Interior and Finish Upgrades | Repaint steel framing in attic. Repair deteriorated concrete and CMU. Upgrade lighting and install new acoustical ceilings. | \$ 147,000 | 18.1 | Bonding | | | | | | |
| 325 | DPW | New DPW Equipment Shelter - Crafts St | Provide covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment | \$ 150,000 | 15.1 | Bonding | | | | | | |

5-YEAR TOTAL NEED \$ 336,206,659

\$221,506,103 - Total projected to be funded over 5 years

**CITY OF NEWTON
5 YEAR CAPITAL IMPROVEMENT PLAN
BY
ASSET TYPE**

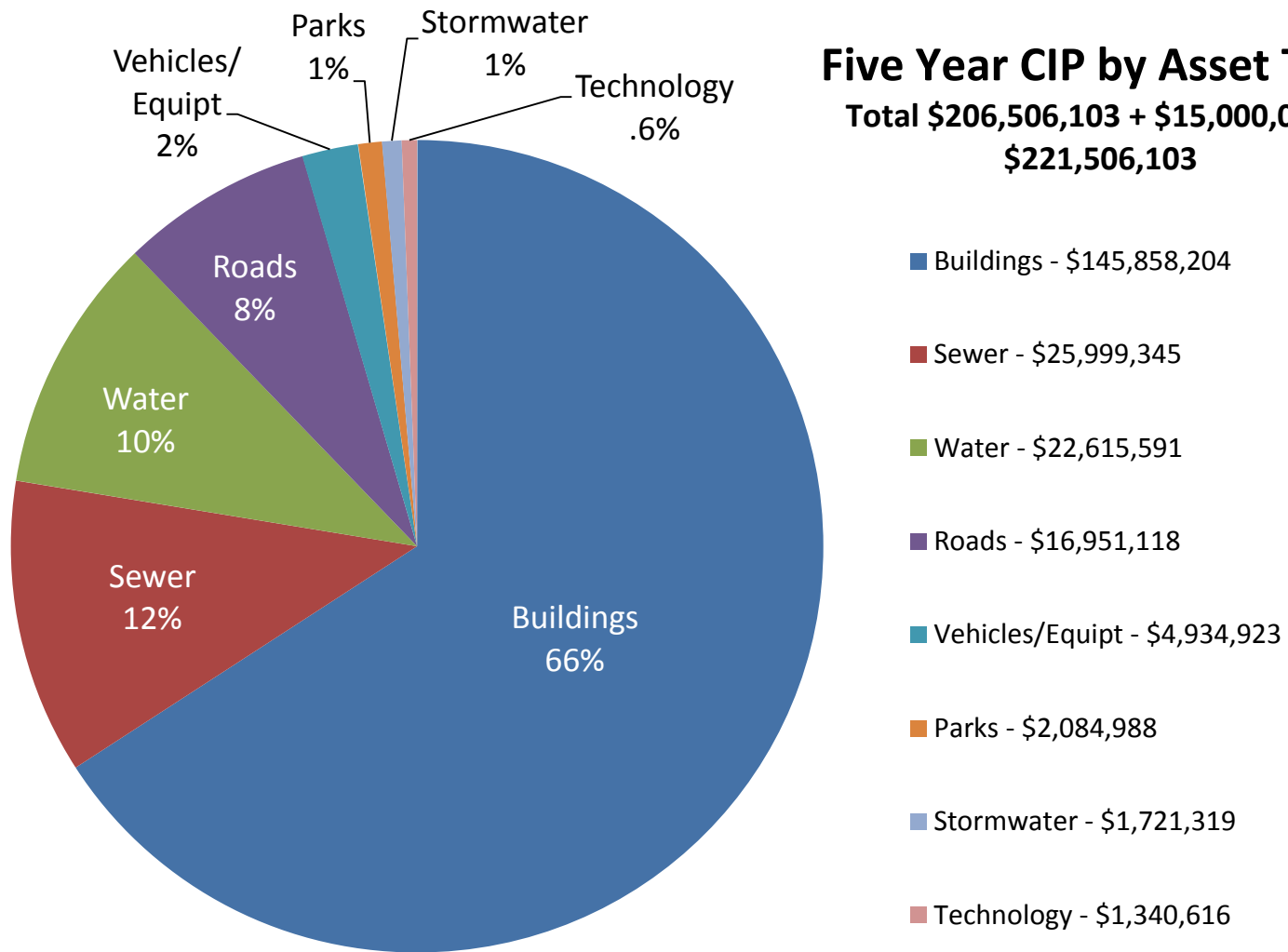


Figure 4. Cost Break-out by Asset Type

FY 2014-2018 CIP by Asset Type

ESCALATED COSTS (Costs in FY2015-2018 are escalated 3.5% a year)

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | Total | Total | Total | Total | Total |
|----------|------|---------------|-------------------------------------|--------------------|-------------|----------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | | | | \$ 46,641,575 | \$ 40,233,912 | \$ 55,880,081 | \$ 41,272,841 | \$ 37,477,694 |
| | | | | | | | | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |

BUILDINGS (listed alphabetically)

| | | | | | | | | | | | | |
|-----|------------------|---|---|---------------|------|---------------|------------|--------------|---------------|---------------|------------|--|
| 1 | Schools | Angier School - Renovation or Replacement | \$7.5M anticipated from MSBA. Renovate/ replace 92 yr old school due to poor condition, aging bldg systems and inadequate space per State Ed standards. | \$ 35,000,000 | 63.1 | Bonding /MSBA | \$ 750,000 | \$ 5,000,000 | \$ 17,500,000 | \$ 12,500,000 | | |
| 262 | Parks/Rec | Auburndale Cove Fieldhouse - Building Upgrades | Project to upgrade existing bathroom building or replace with new structure. | \$ 206,000 | 30.7 | Bonding | | | | | | |
| 121 | Public Buildings | Auburndale Library -Building Envelope and Roof | Repair broken roof slates. Reflash where leaks are occurring. Repair/replace gutters and downspouts. Pitch rain leaders away from bldg. Repair concrete ramp. | \$ 128,000 | 37.7 | CPA Eligible | | | | | | |
| 218 | Public Buildings | Auburndale Library -Exterior Windows & Doors | Remove existing exterior wood doors and frames and replace with new doors and hardware. Repair/replace building windows. | \$ 127,000 | 33.8 | CPA Eligible | | | | | | |
| 247 | Public Buildings | Auburndale Library -Mechanical Upgrades | Replace boiler with new steam oil-fired boiler. Replace breeching, combustion air dampers and ductwork. Include heating zone and radiators in basement. | \$ 125,000 | 32.3 | Bonding | | | | | | |
| 291 | Public Buildings | Auburndale Library - Electrical Upgrades | Electrical and lighting upgrades for code compliance and to improve energy efficiency. Replace electric panel. | \$ 86,607 | 26.5 | Bonding | | | | | | |
| 320 | Public Buildings | Auburndale Library -Accessibility and Site Upgrades | Install accessible toilet rm. Enlarge landing at side entry and rebuild concrete paths. Replace doors, door hardware and handrails to be ADA compliant. | \$ 265,000 | 21.9 | CDBG | | | | | | |
| 92 | Schools | Bigelow School - Mechanical Upgrades | Boilers are 54 years old and beyond their useful life. Replace one boiler now and one in future year. | \$ 250,000 | 40.8 | Bonding | | | | | \$ 277,179 | |
| 162 | Schools | Bigelow School - Roof Replacement | Replace entire building roof system. Roof is beyond its useful life. | \$ 750,000 | 35.9 | Bonding | | | | | | |
| 174 | Schools | Bigelow School - Replace Windows and Doors | Replace aging windows and exterior doors to improve comfort, operation, and energy efficiency. | \$ 400,000 | 35.4 | Bonding | | | | | | |
| 195 | Schools | Bigelow School - Mechanical Upgrades | Replace 2nd boiler and associated equipment, distribution and univents. Boilers are 54 years old. Replace one boiler in the first year. | \$ 960,000 | 34.9 | Bonding | | | | | | |
| 239 | Schools | Bigelow School - Accessibility Upgrades | Upgrade toilet rooms, elevator, door hardware and signage for accessibility | \$ 400,000 | 33.1 | Bonding | | | | | | |
| 15 | Schools | Bowen School - Mechanical Upgrades | Remove underground storage tank and replace or convert to gas if enough gas pressure. Leak detection system has failed. | \$ 100,000 | 49.5 | Bonding | | \$ 100,000 | | | | |
| 158 | Schools | Bowen School - Roof Replacement | Replace of 1950's portion of the building's roofing system as it has reached its life expectancy. | \$ 180,000 | 36.2 | Bonding | | | | | | |
| 170 | Schools | Bowen School - Mechanical Upgrades | Replace interior air handlers in first year. Direct Digital Controls conversion. | \$ 325,000 | 35.5 | Bonding | | | | | | |
| 210 | Schools | Bowen School - Electrical Upgrades | Replace electrical panels and sub-panels in original buildings. | \$ 75,000 | 34.2 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|---|--|--------------------|-------------|----------------|--------------------|---------------|------------|---------------|---------------|------------|
| 267 | Schools | Bowen School - Accessibility Upgrades | Upgrades to toilet rooms, signage, hardware, railings and assembly spaces for accessibility. | \$ 200,000 | 30.1 | Bonding | | | | | | |
| 93 | Schools | Brown School - Mechanical Upgrades | Study options for repair /replacement. Steam system has failed. \$50K/yr to address steam leaks. Hot water conversion in the next ten years (\$2M). Periodically causes | \$ 2,000,000 | 40.5 | Other | | | | | \$ 55,436 | |
| 113 | Schools | Brown School - Replace Underground Storage Tank | Tank is beyond useful life and needed to ensure safe fuel supply to the building. | \$ 200,000 | 38.1 | Bonding | | | | | \$ 221,744 | |
| 307 | Schools | Brown School - Accessibility Upgrades | Upgrade existing elevator for code compliance, signage, hardware, and reconfigure locker rooms for accessibility. | \$ 600,000 | 24.8 | Bonding | | | | | | |
| 184 | Parks/Rec | Burr Park Field House - Building Envelope and Window Restoration | Repair damaged exterior brick walls and trim. Remove entry landing stairs and railings and install new code-compliant landing, stairs and railings. Restore windows. | \$ 313,500 | 35.1 | CPA Eligible | | | | | | |
| 237 | Parks/Rec | Burr Park Field House - Mechanical/Electrical Upgrades | Replace steam boiler, radiators, venting and piping. Replace exterior lighting to improve safety and security. Upgrade interior lighting and original wiring and conduit. | \$ 100,000 | 33.1 | Bonding | | | | | | |
| 245 | Parks/Rec | Burr Park Field House - Accessibility/Site Upgrades | Accessibility upgrades to toilet rooms and fixtures, signage, drinking fountain, and door hardware. Provide accessible path to entrance and an accessible parking space. | \$ 160,500 | 32.4 | Bonding | | | | | | |
| 140 | Schools | Burr School - Accessibility Upgrades | Upgrade entrance ramp, elevator, toilet rooms, and door hardware for accessibility. | \$ 300,000 | 37.1 | Bonding | | | | | | \$ 114,752 |
| 163 | Schools | Burr School - Replace Roof | Replace the total building roofing system installed in the 1980's. | \$ 450,000 | 35.9 | Bonding | | | | | | |
| 297 | Schools | Burr School - Electrical Upgrades | Replace electric panels and sub-panels | \$ 100,000 | 26.1 | Bonding | | | | | | |
| 11 | Schools | Cabot School - Renovation and Addition/Replacement | FY14 feasibility study. Project will address aging systems, access, sprinklers, and space needs. Include cost to move to Carr and back to Cabot. Anticipate high maintenance | \$ 37,500,000 | 50.0 | Bonding /MSBA | | \$ 750,000 | | \$ 15,000,000 | \$ 22,500,000 | |
| 2 | Schools | Carr School - Building Renovation | Create swing space for on-going Elem. school bldg projects. Includes system and accessibility upgrades, sprinklers, sitework, windows, and roof. | \$ 12,700,000 | 55.1 | Bonding | \$ 1,000,000 | \$ 11,700,000 | | | | |
| 56 | Public Buildings | City Hall - Plumbing and Accessibility Improvements | Upgrade toilet rooms for improved accessibility as required by code. | \$ 100,000 | 45.9 | Bonding | | | \$ 103,500 | | | |
| 73 | Public Buildings | City Hall - Envelope - Masonry Repairs | On-going program to repair and repoint exterior masonry to preserve building envelope. Address worst areas first. | \$ 425,000 | 44.0 | Bonding | | | | \$ 133,903 | | |
| 79 | Public Buildings | City Hall - Mechanical Upgrades | Replace condensing units. Replace and insulate ductwork and replace fans. Add mini-split A/C units in conjunction with window restoration /replacement (\$100K). | \$ 425,000 | 43.7 | Bonding | \$ 50,000 | | | \$ 267,806 | \$ 138,590 | |
| 84 | Public Buildings | City Hall - Exterior Windows & Doors | Restore/Replace windows in phases to improve energy efficiency, functionality and comfort, and to preserve exterior wall. | \$ 1,000,000 | 42.4 | CPA Eligible | | | \$ 517,500 | \$ 535,613 | | |
| 145 | Public Buildings | City Hall - Sprinklers and Fire Alarm Upgrades | Plan installation of sprinkler system and addressable fire alarm upgrades in City Hall in conjunction with other building upgrades. | \$ 1,215,000 | 36.9 | Bonding | | | | | | |
| 152 | Public Buildings | City Hall - Roof Repair/Replacement | Install new membrane roof on flat roofs. Repair/replace gutters on balcony roofs. Replace metal roofing and flashing as required. | \$ 1,226,000 | 36.4 | Bonding | | | | | | |
| 153 | Public Buildings | City Hall - Electrical Upgrades | Replace emergency generator and electrical upgrades. | \$ 225,000 | 36.3 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|---|--|--------------------|-------------|----------------|--------------------|------------|--------|--------|------------|------------|
| 154 | Public Buildings | City Hall - Elevator and Accessibility Upgrades | Current elevator installed in 1976 and does not meet current ADA requirements. | \$ 300,000 | 36.3 | Bonding | | | | | | |
| 164 | Public Buildings | City Hall - Rehabilitate Board of Alderman Chamber | Upgrade Historic Board Chamber to improve mechanical, electrical, audio/visual systems and lighting and interior finishes. | \$ 250,000 | 35.8 | CPA Eligible | | | | | | |
| 166 | Public Buildings | City Hall - Masonry Repairs/Restoration, Memorial Steps | Implement recommendations from 2007 Study of the Memorial Stairs. | \$ 135,000 | 35.7 | CPA Eligible | | | | | | |
| 192 | Public Buildings | City Hall - Repair/Replace Stone Entry Stairs and Accessible Ramp | Rebuild accessible ramp. Repair and repoint stone cornice. Rebuild/reset main entry stairs and install code-compliant railings. | \$ 324,000 | 34.9 | Bonding | | | | | | |
| 217 | Public Buildings | City Hall - Increase City Clerk Archive Storage | Develop plans to expand archival storage to accommodate and preserve archival collections and to comply with MGL mandated record storage requirements. | \$ 100,000 | 33.8 | CPA Eligible | | | | | | |
| 234 | Public Buildings | City Hall - Plumbing Upgrades | Renovate toilet rooms and replace cold and hot water piping as required. Provide insulation for all piping. | \$ 137,000 | 33.2 | Bonding | | | | | | |
| 260 | Public Buildings | City Hall - War Memorial Auditorium Improvements | Upgrade historic hall to improve mech, elect systems and acoustics. Space under-utilized due to poor acoustics and A/V deficiencies. | \$ 150,000 | 31.1 | CPA Eligible | | | | | | |
| 263 | Public Buildings | City Hall - Kitchen Mechanical Upgrades | Repair, upgrade kitchen equipment and stove ventilation in cafeteria kitchen to comply with current code requirements. | \$ 168,000 | 30.5 | Bonding | | | | | | |
| 193 | Schools | Countryside School - Mechanical Upgrades | Replace RTUs at Annex, Direct Digital Control conversion | \$ 250,000 | 34.9 | Bonding | | | | | | |
| 300 | Schools | Countryside School - Plumbing Upgrades | Upgrade toilet rooms and water fountains, and add fixtures per code requirements. | \$ 125,000 | 26.0 | Bonding | | | | | | |
| 306 | Schools | Countryside School - Replace Windows and Doors | Replace single pane storefront system in connector and annex windows and exterior doors. | \$ 500,000 | 25.3 | Bonding | | | | | | |
| 308 | Schools | Countryside School - Accessibility Upgrades | Upgrade toilets, signage, door hardware, and accessible entrance. | \$ 150,000 | 24.8 | Bonding | | | | | | |
| 109 | DPW | Crafts St DPW Operations (Stable) - Restore Building Envelope, Windows & Roof | Preserve historic building envelope. Repoint/repair lintels, sills and brick veneer. Restore/replace windows, doors and roof and cupola as historically appropriate. | \$ 943,000 | 38.9 | CPA Eligible | | | | | | |
| 176 | DPW | Crafts St DPW Operations (Stable) - Interior Renovation | Design and Construction for renovated interior including mechanical, electrical, plumbing, and accessibility upgrades. | \$ 500,000 | 35.2 | CPA Eligible | | | | | | |
| 276 | DPW | Crafts St. Quonset Hut Replacement | Replace Quonset Hut at Crafts St. with new facility. Covered storage extends life of vehicles and equipment | \$ 350,000 | 29.8 | Bonding | | | | | | |
| 129 | DPW | Crafts St. Salt Storage Sheds Replacement | Salt storage sheds at Crafts St. are in state of disrepair; more cost effective to replace rather than repair. Consolidate to one new shed. Replace- uneconomical to | \$ 400,000 | 37.4 | Bonding | | | | | | \$ 459,009 |
| 10 | DPW | Crafts Street Garage - Building Envelope & Roof Repair/ Replacemnt | Address active roof leaks and masonry gap. Repair flashing; replace roof with new EPDM Roof. FY13 design & ph 1 constr. FY14 phase 2 construction. | \$ 870,000 | 50.3 | Bonding | \$ 260,000 | \$ 610,000 | | | | |
| 96 | DPW | Crafts Street Garage - Mechanical Upgrades | Complete roof top unit work begun in stimulus project. Replace fans, duct work, unit heaters. Provide gas detection system. | \$ 400,000 | 40.4 | Bonding | | | | | \$ 443,487 | |
| 253 | DPW | Crafts Street Garage - Replace Overhead Garage Doors | Replace ten 25-year old overhead doors and tracks. Replace exterior entrance doors and vestibule doors. | \$ 80,000 | 31.9 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------|--|--|--------------------|-------------|------------------|--------------------|--------------|------------|--------|--------|------------|
| 289 | DPW | Crafts Street Garage - Site Upgrades | Install accessible ramp at entrance. Provide accessible toilet rooms. Resurface and re-grade pavement to comply with ADA requirements; Provide accessible parking space. | \$ 194,000 | 26.7 | Bonding | | | | | | |
| 179 | Parks/Rec | Crystal Lake Bathhouse - Renovate/Replace | Existing bathhouse is in poor condition and is not accessible. Renovate/Replace bathhouse and improve site. | \$ 5,000,000 | 35.2 | CPA Eligible | | | | | | |
| 48 | DPW/ Water | DPW-Water/Utilities Department - Mechanical Upgrades | Install CO/NOx detection system for garage so that the detection of gas energizes the existing exhaust fans. Install backdraft damper on fans. | \$ 75,000 | 47.0 | Enterprise Funds | | \$ 77,625 | | | | |
| 303 | DPW/ Water | DPW-Water/Utilities Department - Accessibility Upgrades | Entrance ramp, toilet room and water fountain upgrades, door hardware, lift, etc to improve accessibility. | \$ 240,000 | 25.7 | Enterprise Funds | | | | | | |
| 22 | Schools | Ed Center - Pre-K Building Upgrades | Renovate toilet rooms for Pre-school and other improvements to correct water infiltration issues and address HVAC and space needs. | \$ 1,000,000 | 49.0 | Bonding | | \$ 1,000,000 | | | | |
| 69 | Schools | Ed Center - Electrical Upgrades | Upgrade electric service, panels and sub-panels to support IT server room and other building functions. | \$ 225,000 | 44.6 | Bonding | | | \$ 241,026 | | | |
| 72 | Schools | Ed Center - Exterior Masonry Work | Repair, repoint and clean exterior masonry. This is Phase II of work begun in FY13. | \$ 400,000 | 44.1 | Bonding | | | \$ 107,123 | | | |
| 123 | Schools | Ed Center - Mechanical Upgrades | Replace boiler, second boiler and hot water conversion in out years. Boilers are 35 years old. | \$ 1,000,000 | 37.6 | Bonding | | | | | | \$ 286,881 |
| 139 | Schools | Ed Center - Accessibility Upgrades | Upgrade elevator, door hardware, and signage for accessibility. | \$ 400,000 | 37.1 | Bonding | | | | | | \$ 114,752 |
| 169 | DPW | Elliot St. Garage - Electrical Upgrades | Upgrade / replace egress lighting and exit signage per code. Upgrade audible fire alarm and strobes to ADA compliance. Replace receptacles, conduit and electrical | \$ 192,000 | 35.5 | Bonding | | | | | | |
| 222 | DPW | Elliot St. Garage - New Windows and Doors and Envelope Repairs | Replace metal windows and security screens. Remove and replace overhead doors with new insulated overhead doors. Repair exterior brick and at steel window lintels. | \$ 103,000 | 33.6 | Bonding | | | | | | |
| 319 | DPW | Elliot St. Garage - Roof Repair/Replacement | Replace/repair EPDM roof. Replace damaged roof panels. | \$ 91,000 | 22.2 | Bonding | | | | | | |
| 177 | DPW | Elliot St. Operations Building - Building Envelope | Repair foundation walls and rebuild ramp foundation walls. Repair/replace areaway retaining wall. Repair cracks; repoint mortar joints. | \$ 123,000 | 35.2 | Bonding | | | | | | |
| 230 | DPW | Elliot St. Operations Building - Roof Repair/ Replacement | Remove and replace corrugated fiberglass roof. Repair/replace existing slate roof and add ice shield to prevent ice damming and icicle build-up. Repair/replace gutters. | \$ 235,000 | 33.5 | Bonding | | | | | | |
| 258 | DPW | Elliot St. Operations Building - Mechanical/ Plumbing Upgrades | Boiler upgrades per code reqts. Replace unit heaters and finned tube heaters. Upgrade bathrooms. Replace water heater. | \$ 169,000 | 31.3 | Bonding | | | | | | |
| 275 | DPW | Elliot St. Operations Building - Replace Windows & Doors | Remove and replace windows. Replace overhead doors. Replace exterior and interior doors. | \$ 80,000 | 29.9 | Bonding | | | | | | |
| 299 | DPW | Elliot St. Operations Building - Accessibility/Site | Restripe pavement and provide parking signage to create accessible parking spaces; construct an accessible entrance to the building. | \$ 85,000 | 26.0 | Bonding | | | | | | |
| 324 | DPW | Elliot St. Operations Building - Interior and Finish Upgrades | Repaint steel framing in attic. Repair deteriorated concrete and CMU. Upgrade lighting and install new acoustical ceilings. | \$ 147,000 | 18.1 | Bonding | | | | | | |
| 198 | DPW | Elliot Street Sand_Salt Shed - Structural and Envelope Repairs | Replace wood truss members. Add brace supports at ends to prevent walls from buckling. Repair wood buttresses and extend push wall 10' higher to keep weight of salt off | \$ 142,000 | 34.8 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|-----------------------|--------------------|--------------|--------------|--------------|------------|--------|
| 189 | Parks/Rec | Emerson Community Center - Accessibility Upgrades | Upgrade toilet rooms, install accessible door hardware and drinking fountains; Resurface main entrance ramp and install handrails. | \$ 209,000 | 35.0 | Bonding | | | | | | |
| 202 | Parks/Rec | Emerson Community Center - Mechanical Upgrades | Replace existing cast iron radiators with new steam baseboard units. Remove and replace all old insulation on heating pipes. Potential abatement needed. | \$ 75,000 | 34.6 | Bonding | | | | | | |
| 224 | Parks/Rec | Emerson Community Center - Electrical Upgrades | Replace switchboard and increase service size to meet electrical demands. Replace original overloaded electrical panels. Install emergency audiovisual horn strobes. | \$ 108,000 | 33.6 | Bonding | | | | | | |
| 17 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Library, Lincoln Eliot, Franklin, Underwood, Cabot Schools thru NSTAR preferred vendor program. | \$ 2,000,000 | 49.1 | Energy Stabilztn Fund | \$ 1,000,000 | \$ 1,000,000 | \$ - | | | |
| 43 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Ward, Mason Rice, Zervas, and Williams Schools thru NSTAR preferred vendor program. | \$ 1,000,000 | 47.3 | Energy Stabilztn Fund | | | \$ 1,035,000 | | | |
| 64 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Countryside, Mem-Spauld and Peirce Schools and Ed Center thru NSTAR preferred vendor program. | \$ 1,000,000 | 45.5 | Energy Stabilztn Fund | | | | \$ 1,071,225 | | |
| 95 | Public Buildings | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | Project includes energy conservation measures at Horace Mann, Brown, Oak Hill and NSHS thru NSTAR preferred vendor program. | \$ 500,000 | 40.4 | Energy Stabilztn Fund | | | | | \$ 554,359 | |
| 75 | Schools | FA Day School - Replace Boilers | Replace two 60 year old boilers and variable air volume (VAV) coil work. | \$ 450,000 | 43.8 | Bonding | | | | \$ 107,123 | \$ 388,051 | |
| 251 | Schools | FA Day School - Accessibility Upgrades / Replace Elevator | Upgrades for ADA Compliant elevator, toilet rooms, door hardware, and signage | \$ 350,000 | 32.0 | Bonding | | | | | | |
| 50 | Fire Dept | Fire Station #1, Newton Corner - Replace Emergency Generator | Replace emergency electrical generator (30kW, 208Y/120V, 3-Phase, 4-Wire) and transfer switch which are at the end of their useful lives. | \$ 123,000 | 46.9 | Bonding | | | \$ 127,305 | | | |
| 74 | Fire Dept | Fire Station #1, Newton Corner - Replace Tanks | Remove diesel and heating oil tanks, replace with tanks from Countryside Schl. Abate room. Gas conversion and other mech. work in future renovation work. | \$ 75,000 | 43.8 | Bonding | | | | \$ 80,342 | | |
| 111 | Fire Dept | Fire Station #1, Newton Corner - Replace Windows & Doors & Repair Masonry | Remove existing windows and replace w/energy efficient insulated units(64ea). Repair and repoint exterior masonry to preserve building envelope. | \$ 386,000 | 38.3 | Bonding | | | | | \$ 427,965 | |
| 200 | Fire Dept | Fire Station #1, Newton Corner - Renovation | 5th station of 7 buildings to be renovated. Work includes building envelope, interior finishes, mechanical, electrical, plumbing, life/safety, ADA upgrades. | \$ 7,230,000 | 34.6 | Bonding | | | | | | |
| 9 | Fire Dept | Fire Station #10 (Dedham Street) Renovation | Project will address aging building systems, code upgrades, access and accommodations for female firefighters. | \$ 4,252,000 | 50.3 | Bonding | \$ 780,000 | \$ 3,472,000 | | | | |
| 98 | Fire Dept | Fire Station #2, West Newton - Replace Emergency Generator | Replace emergency generator which is at the end of it useful life. Install life/safety equipment stored in Wires Division. | \$ 163,000 | 40.3 | Bonding | | | | | \$ 180,721 | |
| 112 | Fire Dept | Fire Station #2, West Newton - Replace Ext. Windows & Doors | Remove existing wood windows and replace with new energy efficient insulated windows (40ea). | \$ 87,000 | 38.3 | Bonding | | | | | \$ 96,458 | |
| 157 | Fire Dept | Fire Station #2, West Newton - Mechanical Upgrades | Remove fuel storage tanks and convert to gas. Other mechanical work to be done as part of future building renovation. | \$ 140,000 | 36.2 | Bonding | | | | | | |
| 207 | Fire Dept | Fire Station #2, West Newton - Repair Building Envelope | Address structural crack in CMU wall first. Repoint/ repair exterior masonry. | \$ 166,000 | 34.4 | Bonding | | | | | | |
| 229 | Fire Dept | Fire Station #2, West Newton - Renovation | 6th station of 7 buildings to be renovated. Work includes mechanical, electrical, plumbing, code compliance and accessibility upgrades. | \$ 7,700,000 | 33.5 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-------------------|---|---|--------------------|-------------|----------------|--------------------|--------------|--------------|--------------|--------|------------|
| 3 | Fire Dept | Fire Station #3, HQs, and Wires - Renovate/Replace Newton Centre Station | Station #3 needs major repairs/upgrades. Co-located w/ Fire HQs. Upgrade 60 yo systems for code compliance, access & female firefighters. | \$ 17,500,000 | 55.1 | Bonding | | \$ 4,000,000 | \$ 5,000,000 | \$ 8,500,000 | | |
| 255 | Schools | Franklin School - Building Envelope | Replace windows and doors and repair/restore masonry. | \$ 700,000 | 31.7 | Bonding | | | | | | |
| 266 | Schools | Franklin School - Mechanical Upgrades | Replace boilers, hot water conversion, and Direct Digital Control conversion. | \$ 825,000 | 30.2 | Bonding | | | | | | |
| 268 | Schools | Franklin School - Accessibility and Plumbing Upgrades | Upgrade Toilet rooms, Water fountains, Door hardware and signage for accessibility. | \$ 365,000 | 30.1 | Bonding | | | | | | |
| 144 | Parks/Rec | Gath Pool - New Swim Facility Design and Construction | Replace outdated / failing City Pool Facility. Existing bldg naturally vented to outside putting pipes and interior surfaces at risk of failure. Not well designed for NE. | \$ 7,500,000 | 37.0 | Bonding | | | | | | \$ 573,762 |
| 213 | Parks/Rec | Gath Pool - Electrical and Mechanical Upgrades | Upgrade fire alarm and egress lighting. Replace electrical panels. Install exhaust fans. Replace Heater Pump, piping and fittings. | \$ 142,000 | 34.0 | Bonding | | | | | | |
| 209 | Health | Health Department Bldg - (ReUse Consideration) | All Health Dept Building Recommended work. Envelope is highest need. Building is in re-use process. | \$ 1,500,000 | 34.2 | CPA Eligible | | | | | | |
| 19 | Schools | Horace Mann - Add Classroom | Additional classroom needed to address immediate space needs. Create new classroom within existing building footprint. | \$ 75,000 | 49.1 | Other | | \$ 75,000 | | | | |
| 40 | Schools | Horace Mann School - Exterior Masonry | Concrete around building has settled and cracked in various places creating a tripping hazard. Repair to prevent further deterioration. | \$ 100,000 | 47.6 | Bonding | | | \$ 103,500 | | | |
| 47 | Schools | Horace Mann School - Electrical/ Emergency Generator | Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system. Upgrade elec service/ panels. | \$ 350,000 | 47.1 | Bonding | | | \$ 129,375 | | | |
| 81 | Schools | Horace Mann School - Replace Roof | Replace Total Building 1986 Built up roof area. Roof has reached its life expectancy. | \$ 375,000 | 43.5 | Bonding | | | | \$ 401,709 | | |
| 215 | Schools | Horace Mann School - Accessibility Upgrades | Upgrade toilet rooms, water fountains and door hardware for accessibility. | \$ 220,000 | 33.9 | Bonding | | | | | | |
| 259 | Schools | Horace Mann School - Restore/Replace Modular | Existing modular is nearing the end of its useful life and will need to be reconditioned or replaced with permanent construction | \$ 1,000,000 | 31.2 | Bonding | | | | | | |
| 302 | Schools | Horace Mann School - Mechanical Upgrades | Replace 2nd boiler and replace modular roof top air handling units | \$ 300,000 | 25.7 | Bonding | | | | | | |
| 106 | Jackson Homestead | Jackson Homestead - Archives Project | Renovate Archives area for compact, environmentally controlled archives storage; add accessible entrance ramp, and code compliance upgrades | \$ 463,421 | 39.2 | CPA Eligible | \$ 463,421 | | | | | |
| 288 | Jackson Homestead | Jackson Homestead - Object Collection Storage | Create offsite climate controlled space with fire protection to house museum collections. Currently no space to manage add'l materials. | \$ 100,000 | 27.5 | CPA Eligible | | | | | | |
| 309 | Jackson Homestead | Jackson Homestead - Exterior Windows & Doors | Restore existing windows and doors as historically appropriate. | \$ 192,000 | 24.8 | CPA Eligible | | | | | | |
| 203 | Parks/Rec | Jeanette Curtis West Rec Ctr (The Hut) Renovation | Rehabilitation of building envelope, mechanical, electrical, plumbing systems, life-safety, and accessibility of this historically significant structure. Houses many programs. | \$ 1,500,000 | 34.5 | CPA Eligible | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|----------------|--------------------|--------------|------------|--------|------------|--------|
| 214 | Public Buildings | Kennard Estate - Replace Septic System | Replace Septic System by connecting to City Sewer Infrastructure. | \$ 100,000 | 34.0 | Bonding | | | | | | |
| 246 | Public Buildings | Kennard Estate-Building Envelope, Windows and Doors | Replace shingles and flashings. Repair foundation walls. Replace wood windows and shutters with historic, appropriate units. | \$ 240,000 | 32.3 | Bonding | | | | | | |
| 305 | Public Buildings | Kennard Estate-Accessibility/Site | Provide accessible parking and install accessible entrance ramp. | \$ 127,350 | 25.5 | Grant | | | | | | |
| 7 | Schools | Lincoln Eliot School - Add Four Modular Classrooms | Add modular classrooms for growing enrollment. Project includes sprinklers for the entire building as required by building code. | \$ 3,000,000 | 50.5 | Bonding | | \$ 3,000,000 | | | | |
| 45 | Schools | Lincoln Eliot School - Plumbing Upgrades | Replace deteriorated sanitary pipe, distribution, risers and vents, toilet rooms. Assess issues in FY15 to determine scope of additional work. | \$ 650,000 | 47.1 | Bonding | | | \$ 207,000 | | \$ 498,923 | |
| 101 | Schools | Lincoln Eliot School - Replace Emergency Generator | Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system. | \$ 150,000 | 40.1 | Bonding | | | | | \$ 166,308 | |
| 201 | Schools | Lincoln Eliot School - Mechanical Upgrades | Hot water conversion w/renovation, 2nd boiler and distribution system. | \$ 525,000 | 34.6 | Bonding | | | | | | |
| 249 | Schools | Lincoln Eliot School - Replace Windows and Doors | Replace windows in 1965 addition and 1975 clerestory windows | \$ 280,000 | 32.0 | Bonding | | | | | | |
| 271 | Schools | Lincoln Eliot School - Accessibility Upgrades | Upgrade toilet rooms, door hardware, elevator, entrance ramp, and signage for accessibility. | \$ 940,000 | 30.1 | Bonding | | | | | | |
| 290 | Schools | Lincoln Eliot School - Electrical Upgrades | Replace electric panels and sub-panels. | \$ 125,000 | 26.7 | Bonding | | | | | | |
| 23 | Parks/Rec | Lower Falls Community Center - Accessibility/ Site Upgrades | Code required project to provide accessible toilet rooms, an accessible drinking fountain, and lift to provide access to gym level. | \$ 300,000 | 48.9 | Bonding | \$ 25,000 | \$ 275,000 | | | | |
| 221 | Parks/Rec | Lower Falls Community Center - Electrical Upgrades | Upgrade lighting and power distribution. Update fire alarm horn strobes and beacons. | \$ 84,000 | 33.6 | Bonding | | | | | | |
| 280 | Parks/Rec | Lower Falls Community Center - Replace Gym Floor | Replace gym floor with new wood flooring. Replace damaged carpeting and VCT flooring. | \$ 80,000 | 29.3 | Bonding | | | | | | |
| 159 | Schools | Mason Rice School - Electrical Upgrades | Replace emergency generator, electrical panels and sub-panels. | \$ 325,000 | 36.1 | Bonding | | | | | | |
| 161 | Schools | Mason Rice School - Replace Roof | Replace the 1990's Sarnifil roofing system on the main portion of the building. Existing roof has reached its life expectancy. | \$ 580,000 | 35.9 | Bonding | | | | | | |
| 168 | Schools | Mason Rice School - Mechanical Upgrades | Direct Digital Controls conversion and upgrade distribution system. | \$ 450,000 | 35.6 | Bonding | | | | | | |
| 269 | Schools | Mason Rice School - Accessibility Upgrades | Upgrade hardware, toilet rooms, and water fountains for accessibility. | \$ 185,000 | 30.1 | Bonding | | | | | | |
| 180 | Schools | Memorial Spaulding School - Mechanical Upgrades | Replace controls, air handlers. Replace 2nd boiler, hot water conversion, and Direct Digital Controls conversion. | \$ 750,000 | 35.2 | Bonding | | | | | | |
| 236 | Schools | Memorial Spaulding School - Replace Roof | Replace 1980's Built up roof area. It has reached its life expectancy. | \$ 350,000 | 33.1 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|--|--------------------|-------------|----------------|--------------------|---------|------------|------------|------------|------------|
| 270 | Schools | Memorial Spaulding School - Accessibility Upgrades | Upgrade toilet rooms, door hardware, water fountains, and signage for accessibility. | \$ 300,000 | 30.1 | Bonding | | | | | | |
| 325 | DPW | New DPW Equipment Shelter - Crafts St | Provide covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment | \$ 150,000 | 15.1 | Bonding | | | | | | |
| 317 | DPW | New DPW Equipment Shelter - Elliot St | Provide covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment | \$ 150,000 | 23.2 | Bonding | | | | | | |
| 102 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Exterior Windows & Doors | Restore/replace historic exterior doors and windows. Weatherstrip and seal for energy efficiency. Window bay foundation repairs. | \$ 217,000 | 40.0 | CPA Eligible | | | | | \$ 240,592 | |
| 256 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Building Envelope | Repair concrete at front entrance top riser. Install new side entry stairs and handrails. Remove and replace wood stairs. Install vents through out balanceof soffits. | \$ 114,500 | 31.3 | Bonding | | | | | | |
| 273 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Site/ Accessibility Upgrades | Re-build the main entry ramp to be code compliant. Make ADA door opening device fully functioning. | \$ 86,000 | 30.0 | CDBG | | | | | | |
| 287 | Parks/Rec | Newton Corner Parks & Rec Headquarters - Roof Restoration/ Replacement | Replace/restore slate roof as historically appropriate. | \$ 75,500 | 27.5 | CPA Eligible | | | | | | |
| 38 | Library | Newton Free Library - Mechanical Upgrades | Interior air handler replacement, pneumatic DDC controls conversion, replace chiller controls, repair/restore ice tank system. | \$ 1,100,000 | 48.2 | Bonding | | | \$ 517,500 | \$ 321,368 | \$ 332,615 | |
| 150 | Library | Newton Free Library - Generator Replacement | Library used as cooling station for residents. Existing energy agreement mandates peak usage on auxillary power when regional demand is high extreme. | \$ 250,000 | 36.4 | Bonding | | | | | | |
| 132 | Schools | Newton South High School - Fire Alarm Upgrades | Upgrade fire alarm system to be fully addressable. | \$ 150,000 | 37.3 | Bonding | | | | | | \$ 172,128 |
| 141 | Schools | Newton South High School - Mechanical Upgrades | Replace air handlers and roof top equipment and remove underground storage tanks. | \$ 375,000 | 37.1 | Bonding | | | | | | \$ 430,321 |
| 183 | Schools | Newton South High School - Electrical Upgrades | Upgrades to Lighting and controls | \$ 150,000 | 35.1 | Bonding | | | | | | |
| 199 | Public Buildings | Nonantum Library-Mechanical | Replace baseboard heating on first floor. Provide pipe insulation. Replace air handling unit in basement with new controls. Provide exhaust fan, 150 CFM in basement | \$ 205,000 | 34.7 | Bonding | | | | | | |
| 211 | Public Buildings | Nonantum Library-Electrical | Upgrade interior lighting and power distribution. Replace electrical panel and main electrical service. | \$ 101,637 | 34.2 | Bonding | | | | | | |
| 286 | Public Buildings | Nonantum Library-Roofs and Building Envelope | Remove and replace slate roof. Install new gutters and downspouts. Remove and replace existing flat roof. | \$ 200,000 | 28.3 | CPA Eligible | | | | | | |
| 312 | Public Buildings | Nonantum Library-Accessibility/Site | Reconfigure entry vestibules and reconstruct ADA compliant ramp; Upgrades for toilet rooms and drinking fountain. | \$ 204,000 | 23.9 | CDBG | | | | | | |
| 182 | Schools | Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System | Replace Roof top air handling units and distribution system | \$ 250,000 | 35.1 | Bonding | | | | | | |
| 36 | Schools | Peirce School - Mechanical Upgrades | Replace one 60 yo boiler and associated systems. 2nd boiler and DDC conversion in future project. Remove underground tank. | \$ 240,000 | 48.3 | Bonding | | | \$ 248,400 | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-----------|--|--|--------------------|-------------|----------------|--------------------|---------|------------|------------|--------|------------|
| 160 | Schools | Peirce School - Plumbing Upgrades | Sanitary piping is deteriorating. Upgrades to toilet rooms and water fountains | \$ 225,000 | 36.0 | Bonding | | | | | | |
| 285 | Schools | Peirce School - Accessibility Upgrades | Upgrades to door hardware, toilet rooms, railings, and signage for accessibility. | \$ 300,000 | 28.4 | Bonding | | | | | | |
| 295 | Schools | Peirce School - Electrical Upgrades | Replace electric panels and sub-panels. | \$ 75,000 | 26.1 | Bonding | | | | | | |
| 80 | Parks/Rec | Pelligrini Park Field House - Mechanical Upgrades | Replace boiler, remove underground storage tank. Convert to gas, provide new heating controls, fans and heaters in future. | \$ 250,000 | 43.6 | Bonding | | | | \$ 160,684 | | |
| 188 | Parks/Rec | Pelligrini Park Field House - Accessibility/ Site Upgrades | Provide accessible toilet rooms, door hardware, signage and a hi-low drinking fountain. Resurface and re-grade path to play area. | \$ 183,500 | 35.0 | CDBG | | | | | | |
| 208 | Parks/Rec | Pelligrini Park Field House - Replace Roofs | Replace lower roofing membrane, gutters and downspouts. Replace upper Gym membrane roof with a new EPDM roof. | \$ 225,000 | 34.4 | Bonding | | | | | | |
| 243 | Parks/Rec | Pelligrini Park Field House - Exterior Windows & Doors | Replace windows and security screens with new insulated windows and new security screens. Repair and repoint masonry walls and restore murals. | \$ 130,500 | 32.5 | Bonding | | | | | | |
| 248 | Parks/Rec | Pelligrini Park Field House - Electrical Upgrades | Upgrade lighting and power distribution for energy efficiency. Provide protective cages over gym fixtures. Replace electric panels. | \$ 176,000 | 32.1 | Bonding | | | | | | |
| 135 | Police | Police Annex - Emergency Generator | Replace generator with emergency battery back-up system. Update system for ADA compliance. Upgrade exterior lighting & occupancy sensors. | \$ 140,000 | 37.1 | Bonding | | | | | | \$ 160,653 |
| 149 | Police | Police Annex - Exterior Windows & Doors & Building Envelope | Restore/replace windows and doors with historically appropriate energy efficient units. Repoint exterior brick and entry ramp. Repair stone lintels. | \$ 200,000 | 36.6 | CPA Eligible | | | | | | |
| 196 | Police | Police Annex - Mechanical Upgrades | Replace baseboard heaters in bathrooms. Provide proper ventilation/exhaust in locker rooms and bathrooms. Replace boiler with new high efficiency gas-fired boiler. | \$ 170,000 | 34.9 | Bonding | | | | | | |
| 206 | Police | Police Annex - Roof Restoration/ Replacement | Remove slates and replace with new slate roofing, gutters and downspouts (6600sf). •Install new EPDM Roof(500sf). Reattach pvc downspout(1ea). | \$ 250,500 | 34.4 | CPA Eligible | | | | | | |
| 274 | Police | Police Annex - Accessibility Upgrades | Provide accessible toilet rooms, door hardware, signage and drinking fountain. Provide a lower transaction counter. | \$ 83,500 | 30.0 | CDBG | | | | | | |
| 231 | Police | Police Garage - Mechanical Upgrades | Replace ceiling hung unit heaters. Provide bathroom exhaust fan and split air conditioning system. Remove abandoned steam piping to prevent possibility of freezing. | \$ 164,000 | 33.5 | Bonding | | | | | | |
| 252 | Police | Police Garage - Roof Replacement | Replace PVC roof installed in the 1990's as required. It has reached life expectancy. Repair water divertor above support service door. | \$ 193,000 | 31.9 | Bonding | | | | | | |
| 281 | Police | Police Garage - Accessibility/Site Upgrades | Provide accessible door hardware, signage and code-compliant lower counters. Install accessible employee toilet room. | \$ 80,000 | 28.9 | CDBG | | | | | | |
| 284 | Police | Police Garage - Electrical Upgrades | Connect Garage to generator. Upgrade interior and exterior lighting for energy efficiency. Replace conduit, wiring, and distribution panel. Upgrade smoke/fire | \$ 207,000 | 28.4 | Bonding | | | | | | |
| 293 | Police | Police Garage - Windows & Doors and Building Envelope | Replace overhead doors and glass block windows. Replace door to planning/research and glass block wall. Repair masonry veneer exterior. Repair step cracking in CMU | \$ 140,000 | 26.4 | Bonding | | | | | | |
| 39 | Police | Police Headquarters - Mechanical Upgrades | Replace Roof Top Mechanical equipment that is beyond its useful life. Currently requires a lot of maintenance and service calls. | \$ 300,000 | 48.0 | Bonding | | | \$ 310,500 | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--|---|--------------------|-------------|----------------|--------------------|------------|------------|------------|------------|------------|
| 60 | Police | Police Headquarters - Roof Repair/ Replacement | Repair EPDM roof leaks. Repair copper cornice roof. Replace firing range roof. | \$ 83,000 | 45.6 | Bonding | | | \$ 85,905 | | | |
| 257 | Police | Police Headquarters - Repair Concrete | Repair concrete at the fire range ceiling. Rebuild tunnel ceiling, waterproof, etc. Repair Interior CMU and concrete walls. Replace carpet flooring that is a tripping hazard. | \$ 100,000 | 31.3 | Bonding | | | | | | |
| 238 | Public Buildings | Public Buildings Department-Electrical | Replace electrical distribution panels and main electrical service. Upgrade Telcom and Electrical infrastructure to BICSI and Electrical code. Replace interior lights to improve | \$ 118,000 | 33.1 | Bonding | | | | | | |
| 240 | Public Buildings | Public Buildings Department-Mechanical | Replace (2) duct mounted steam coils and baseboard heaters. •Replace fan coil ductwork with new insulated ductwork. Provide make up air dampers and control for | \$ 115,000 | 32.9 | Bonding | | | | | | |
| 292 | Public Buildings | Public Buildings Department-Roofs | Scrape, prepare surface, paint corrugated metal shed roof (2000sf). •Remove tree limbs from brushing on roof shingles. Install new roof shingles (4200sf). Scrape, prepare | \$ 97,000 | 26.5 | Bonding | | | | | | |
| 8 | Public Buildings | Remove Underground Storage Tanks at City Buildings | Remove tanks at Fire Station 10, City Hall, Police HQ, and Senior Center. Tanks are no longer needed. | \$ 125,000 | 50.4 | Other | | \$ 125,000 | | | | |
| 46 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at Park bldgs and Fire Department Headquarters. Tanks are beyond their useful life expectancy. | \$ 100,000 | 47.1 | Bonding | | | \$ 103,500 | | | |
| 67 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at DPW Crafts Street Operations Center, Cabot Pk Fieldhouse, and DPW Elliot Street Operations Center. Tanks are beyond useful life. | \$ 100,000 | 45.3 | Bonding | | | | \$ 107,123 | | |
| 103 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at the Public Buildings Department, Auburndale and Nonantum Libraries. Tanks are beyond useful life. | \$ 100,000 | 39.9 | Bonding | | | | | \$ 110,872 | |
| 125 | Public Buildings | Replace Underground Storage Tanks at City Buildings | Replace fuel tanks at Fire Station #1 and Fire Station #2. Tanks are beyond useful life. | \$ 100,000 | 37.5 | Bonding | | | | | | \$ 114,752 |
| 6 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Memorial-Spaulding, Zervas, and Underwood Elementary Schools. | \$ 250,000 | 50.6 | Other | | \$ 250,000 | | | | |
| 49 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Bigelow Middle School, NSHS, and the Ed Center. | \$ 260,000 | 47.0 | Other | | | \$ 269,100 | | | |
| 83 | Schools | Remove Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Lincoln-Eliot, Pierce, and Franklin Elementary Schools. | \$ 280,000 | 43.4 | Other | | | | \$ 299,943 | | |
| 104 | Schools | Remove/Replace Underground Tanks at Various Schools | Remove underground tanks which are no longer needed at Williams, Mason-Rice, and Ward Schools. | \$ 260,000 | 39.8 | Other | | | | | \$ 288,267 | |
| 133 | Schools | Remove/Replace Underground Tanks at Oak Hill Middle School | Replace underground tanks that are beyond useful life at Oak Hill Middle School. If possible, convert to gas and remove tanks. | \$ 230,000 | 37.2 | Other | | | | | | \$ 263,930 |
| 18 | Senior Center | Senior Center - Mechanical Upgrades | Replace fans and air handling units. Change boiler burner to gas-fired. Replace basement fan coil unit. Improve operation & efficiency for consistent temp heating/cooling. | \$ 188,000 | 49.1 | Bonding | | \$ 188,000 | | | | |
| 233 | Senior Center | Senior Center - Sprinklers and Fire Alarm Upgrades | Install code-compliant sprinkler system in building in conjunction with any major building upgrade or addition. | \$ 170,000 | 33.4 | Bonding | | | | | | |
| 242 | Senior Center | Senior Center - Exterior Windows & Doors | Restore/Replace wood windows and aluminum storm windows as historically appropriate. | \$ 125,000 | 32.7 | CPA Eligible | | | | | | |
| 244 | Senior Center | Senior Center - Building Envelope | Repoint exterior masonry walls as required. Repair, reset and regrout main granite front stairs. Repair stone veneer at main entry. Rebuild rear right side areaway and stairs. | \$ 150,000 | 32.4 | CPA Eligible | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|---|--|--------------------|-------------|----------------|--------------------|------------|--------|--------|--------|--------|
| 279 | Senior Center | Senior Center - Roof Restoration/ Replacement | Restore/replace existing slate roof, gutters, and downspouts. Replace existing flat roof with new membrane roof and provide proper roof drains. | \$ 244,000 | 29.6 | CPA Eligible | | | | | | |
| 175 | Schools | Underwood School - Accessibility Upgrades | Accessibility upgrades including compliant door hardware, Toilets, and Elevator | \$ 415,000 | 35.4 | Bonding | | | | | | |
| 181 | Schools | Underwood School - Replace Roof | Replace whole building roof in 2 phases. | \$ 450,000 | 35.1 | Bonding | | | | | | |
| 191 | Schools | Underwood School - Mechanical Upgrades | Upgrade Distribution system, controls, and remove underground tank. | \$ 525,000 | 34.9 | Bonding | | | | | | |
| 277 | Schools | Underwood School - Electrical Upgrades | Upgrades to electrical panels and sub-panels and emergency generator | \$ 100,000 | 29.6 | Bonding | | | | | | |
| 264 | Parks/Rec | Upper Falls Fieldhouse-Building Upgrades | Upgrade or replace building. Work includes lighting, toilet rooms, roofing and envelope repairs. | \$ 123,000 | 30.3 | Bonding | | | | | | |
| 128 | Public Buildings | Waban Library-Roofs | Remove slate and install new slate roof, gutters and downspouts. | \$ 252,000 | 37.4 | CPA Eligible | | | | | | |
| 172 | Public Buildings | Waban Library-Accessibility Upgrades | Upgrade toilet rooms, Replace door hardware; Modify door at stairwell or install automatic door opener. | \$ 110,000 | 35.4 | CDBG | | | | | | |
| 204 | Public Buildings | Waban Library-Electrical | Replace electrical panel. Replace exterior lighting to improve safety. Replace main electric service and wiring. Upgrade lighting to improve energy efficiency. | \$ 108,000 | 34.5 | Bonding | | | | | | |
| 219 | Public Buildings | Waban Library-Exterior Windows & Doors | Restore exterior wood door and install panic hardware. Replace areaway and rear door. Restore windows. | \$ 118,500 | 33.6 | CPA Eligible | | | | | | |
| 301 | Public Buildings | Waban Library-Building Envelope and Entrance | Replace main entry walk and foundation walls and install railing. Rebuild side stairs at main entry. Rebuild stairs at rear entry. Install hand rail on one side of rear entry | \$ 200,000 | 25.8 | CPA Eligible | | | | | | |
| 24 | Schools | Ward School - Accessible Entrance | Code required project to provide accessible entrance, toilet, and water fountain. | \$ 200,000 | 48.9 | Bonding | | \$ 200,000 | | | | |
| 155 | Schools | Ward School - Mechanical Upgrades | Hot water conversion and distribution as part of future major renovation. (Could also keep the steam system for approx \$500K). Include in major renovation. | \$ 2,000,000 | 36.2 | Bonding | | | | | | |
| 156 | Schools | Ward School - Accessibility Improvements | Future building renovation will address hardware, toilets, elevator, etc. (stage access, railings signage, water fountains). | \$ 1,480,000 | 36.2 | Bonding | | | | | | |
| 194 | Schools | Ward School - Mechanical Upgrades | Replace second boiler and steam trap work. | \$ 300,000 | 34.9 | Bonding | | | | | | |
| 223 | Schools | Ward School - Electrical Upgrades | Upgrade electrical panels and distribution system. | \$ 210,000 | 33.6 | Bonding | | | | | | |
| 235 | Schools | Ward School - Replace Roof | Replace Flat Gym 1980's built up roofing system. It has reached its life expectancy. | \$ 160,000 | 33.1 | Bonding | | | | | | |
| 304 | Schools | Ward School - Replace Windows and Doors | Replace windows in gym wing and storefront system. | \$ 425,000 | 25.6 | Bonding | | | | | | |
| 190 | Schools | Williams School - Mechanical Upgrades | Replace Air handlers. Direct Digital Controls conversion for HVAC system. | \$ 200,000 | 34.9 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|---------|--|--|--------------------|-------------|----------------|--------------------|------------|--------|--------|--------|---------------|
| 278 | Schools | Williams School - Accessibility Upgrades | Upgrade door hardware, openings, toilet rooms, railings, and signage for accessibility. | \$ 250,000 | 29.6 | Bonding | | | | | | |
| 14 | Schools | Zervas and Bigelow School Electrical Upgrades | Upgrades to electrical system and replace panels at Bigelow Middle School and Zervas Elementary School. | \$ 80,000 | 49.5 | Bonding | | \$ 80,000 | | | | |
| 296 | Schools | Zervas School - Plumbing Upgrades | Upgrades toilet rooms and water fountains. | \$ 100,000 | 26.1 | Bonding | | | | | | |
| 32 | Schools | Zervas School - Renovation and Addition/ Replacement | FY14 feasibility study. Project to address space needs due to growing enrollment, bldg systems, access. Include cost to move to Carr and back to Zervas. Anticipate high | \$ 42,500,000 | 48.6 | Bonding /MSBA | | \$ 750,000 | | | | \$ 17,500,000 |

BUILDINGS TOTAL \$ 244,426,515

INFORMATION TECHNOLOGY (by Priority)

| | | | | | | | | | | | | |
|-----|---------|---|--|--------------|------|--------------|------------|------------|------------|------------|------------|------------|
| 25 | IT | Install Citywide IT Data Network | IT Advisory Cmte recommends implementation of City-wide network as high priority imperative to improve speed, reliability, and security to build the framework for major | \$ 1,750,000 | 48.9 | Other | \$ 500,000 | \$ 250,000 | \$ 258,750 | \$ 267,806 | \$ 277,179 | \$ 286,881 |
| 107 | DPW | Engineering Map Scanning Project Phase I | Phased project. Current maps are deteriorating rapidly. A new storage system would allow DPW to store maps after scanning. Proposed to be a phased project to preserve | \$ 100,000 | 39.1 | CPA Eligible | | | | | | |
| 227 | Library | Library Book Autocheckin/ Sorting System | Almost 2 million library materials/yr checked in automatically and sorted by material type | \$ 210,000 | 33.5 | Bonding | | | | | | |
| 272 | DPW | Engineering Map Scanning Project Phase II | Phased project. Current maps are deteriorating rapidly. A new storage system would allow DPW to store maps after scanning. | \$ 900,000 | 30.1 | CPA Eligible | | | | | | |

INFORMATION TECHNOLOGY TOTAL \$ 2,960,000

LARGE VEHICLES / EQUIPMENT (by Priority)

| | | | | | | | | | | | | |
|----|------------|--|---|------------|------|------------------|--|------------|------------|--|--|--|
| 12 | Fire Dept | Replace Fire Dept Rescue Truck and Rescue Boat | Replace Special Ops. 1994 Ford (174K miles) Rescue truck needed for specialized rescue, with specialized tools and equipment. Special Ops gets taken out of service. | \$ 600,000 | 49.8 | Other | | | | | | |
| 27 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. Contracting out services is alternative at great | \$ 172,000 | 48.6 | Bonding | | \$ 172,000 | | | | |
| 28 | DPW/ Water | Replace 2002 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs. (#309) | \$ 130,000 | 48.6 | Enterprise Funds | | \$ 130,000 | | | | |
| 30 | DPW/ Sewer | Replace 2003 Backhoe | Replacement of existing city vehicle/ equipment used in sewer line repairs and maintenance (#327). | \$ 120,000 | 48.6 | Enterprise Funds | | \$ 120,000 | | | | |
| 31 | DPW/ Sewer | Replace 2004 Sewer Clam Truck | Replacement of damaged city vehicle/ equipment used to clean sewer catch basins and brook grates. (#330) | \$ 200,000 | 48.6 | Enterprise Funds | | \$ 200,000 | | | | |
| 33 | DPW | DPW - Replace 1995 Backhoe | Replacement of existing city vehicle/ equipment that is beyond useful life, used for street & sidewalk repairs. (#130). | \$ 110,000 | 48.4 | Bonding | | \$ 110,000 | | | | |
| 52 | DPW/ Water | Replace 2002 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#311). | \$ 130,000 | 46.5 | Enterprise Funds | | | \$ 134,550 | | | |
| 54 | DPW | DPW - Replace Large Construction Trucks | Replace 2 vehicles taken out of service: Vehicle #73 and #40. Required for sanding fleet for snow and for construction work. | \$ 300,000 | 46.3 | Bonding | | | \$ 310,500 | | | |
| 58 | DPW/ Sewer | Replace 1995 Sewer Jet Truck | Replacement of vehicle/ equipment used to clear out blockages in the sewer system to prevent sewer backups. (#369). | \$ 240,000 | 45.8 | Enterprise Funds | | \$ 248,400 | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------|--|--|--------------------|-------------|------------------|--------------------|---------|--------|------------|------------|------------|
| 66 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 1) | Replace Engine 1.1999 Pumper Truck which will exceed life expectancy in 2014, and replace spare engine (1992) that should no longer be used | \$ 600,000 | 45.4 | Bonding | | | | \$ 642,735 | | |
| 76 | DPW | DPW - Replace 1985 Excavator | Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#110) Beyond usefull life expectancy. | \$ 270,000 | 43.8 | Bonding | | | | \$ 289,231 | | |
| 87 | Parks/Rec | Tree Crew Bucket Truck | Current truck has been in service since 2004. Over 90% of Tree Work requires this truck. Without it most work could not be done. | \$ 165,000 | 41.0 | Other | | | | \$ 176,752 | | |
| 88 | DPW/ Sewer | Replace 2001 10-Wheeler Large Capacity Construction Truck | Replace vehicle/ equipmt used to haul materials for treching / backfilling for sewer line repairs. Also used for snow removal. (#365) | \$ 160,000 | 41.0 | Enterprise Funds | | | | \$ 171,396 | | |
| 89 | DPW/ Water | Replace 2004 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#316). | \$ 130,000 | 41.0 | Enterprise Funds | | | | \$ 139,259 | | |
| 110 | Fire Dept | Replace Fire Department SCBA Gear | Replace the department Self-contained breathing apparatus (SCBA), purchased in FY 2007. | \$ 350,000 | 38.3 | Other | | | | | | |
| 118 | DPW | DPW - Replace Large Construction Trucks | Replace vehicles out of service: Vehicle #101 (1993) and #69 (1983) Required for sanding for snow and for construction work. | \$ 300,000 | 37.8 | Bonding | | | | | \$ 332,615 | |
| 119 | DPW/ Water | Replace 2004 Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#310). | \$ 130,000 | 37.8 | Enterprise Funds | | | | | \$ 144,133 | |
| 120 | DPW/ Water | Replace 2008 Backhoe | Replacement of existing city vehicle/ equipment used in water line repairs and maintenance (#328) | \$ 120,000 | 37.8 | Enterprise Funds | | | | | \$ 133,046 | |
| 126 | DPW | DPW - Replace 1997 Backhoe | Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#120) at useful life expectancy. | \$ 110,000 | 37.5 | Bonding | | | | | | \$ 126,228 |
| 130 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 3) | Replace Engine 3, a 2004 Pumper Truck; to be used as spare to replace spare Engine 14, a 1992 pumper that should no longer be used. | \$ 600,000 | 37.4 | Bonding | | | | | | \$ 688,514 |
| 136 | DPW/ Water | Replace Construction Truck | Replacement of existing city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs | \$ 130,000 | 37.1 | Enterprise Funds | | | | | | \$ 149,178 |
| 143 | DPW | DPW - Replace 1994 Packer Trash Collection Vehicle | Replacement of existing city vehicle/ equipment used for collecting trash/recycling in Parks & Village Centers. (#52) | \$ 150,000 | 37.1 | Bonding | | | | | | \$ 172,128 |
| 148 | DPW/ Sewer | Replace 2005 Large Construction Vehicles | Replace vehicles/equipment used to haul materials for trenching/ backfilling for sewer line repairs. Also used for snow plowing (#366 and #367) | \$ 300,000 | 36.7 | Enterprise Funds | | | | | | \$ 344,257 |
| 151 | Fire Dept | New Fire Dept Combo Lighting / Cascade Truck/ Emergency Rescue Unit. | Truck lights up area during night time operations with a cascade system allowing refill of air tanks at the incident; carries Haz Mat supplies. | \$ 100,000 | 36.4 | Bonding | | | | | | |
| 171 | Fire Dept | Replace Fire Dept Bucket Truck | Replace 1996 F800 with 165K miles on it. Not cost effective to keep it on the road. Safety components are failing, putting personnel at risk. | \$ 200,000 | 35.4 | Bonding | | | | | | |
| 178 | DPW | DPW - Replace 1998 Front End Loader | Replacement of existing city vehicle/ equipment used to load materials for street & sidewalk repairs. (#104) | \$ 160,000 | 35.2 | Bonding | | | | | | |
| 197 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. | \$ 172,000 | 34.8 | Bonding | | | | | | |
| 205 | Fire Dept | Replace Fire Dept Aerial Ladder (Ladder 2) | Replace Ladder 2. 15 years old. Maxed out on life expectancy; to be used as spare to replace Spare Ladder 5 a 1985 ladder to be taken out of service. | \$ 1,000,000 | 34.4 | Bonding | | | | | | |
| 212 | Parks/Rec | Tree Crew Log Loader | Current equipment has been in service since 2006. Essential for emergency response and hazardous tree removal. | \$ 240,000 | 34.1 | Other | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-----------|--|--|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 216 | DPW | DPW - Replace Street Sweeper | Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiently. | \$ 172,000 | 33.9 | Bonding | | | | | | |
| 228 | DPW | DPW - Replace 1984 Do All Large Construction Truck | Replacement of existing city vehicle/ equipment used for street & sidewalk construction and snow removal operations. (#87) | \$ 150,000 | 33.5 | Bonding | | | | | | |
| 232 | DPW | DPW - Replace 1993 Bombadier Sidewalk Plow | Replacement of existing city vehicle/ equipment used to maintain clear sidewalks throughout the City during snow events. (#173) | \$ 125,000 | 33.5 | Bonding | | | | | | |
| 250 | Fire Dept | Replace Fire Pumper Truck (Engine 7) | Replace Engine 7 pumper truck. Engine 7 will become a spare. | \$ 600,000 | 32.0 | Bonding | | | | | | |
| 254 | Parks/Rec | Replace Parks Dump Truck (replace 1998 truck #430) | Replacement of vehicle that is used daily for maintenance operations that exceeded its useful life span. | \$ 75,000 | 31.8 | Bonding | | | | | | |
| 261 | Fire Dept | Replace Fire Dept 1994 Cube Van W-4 | Replace 1994 Ford Cube Van (85,000 miles) for Wires Division which is responsible for city fiber optic, fire alarms, radio and phone systems. | \$ 60,000 | 30.9 | Bonding | | | | | | |
| 294 | Fire Dept | Replace Fire Dept Pumper Truck (Engine 4) | Replace Engine 4. A 2010 pumper. Engine 4 will become a spare. | \$ 600,000 | 26.2 | Bonding | | | | | | |
| 310 | Fire Dept | Fire Dept Equipment Replacement | Replace firefighters personal turnout gear. NFPA Standard is to replace every 10 yrs; now 3 yrs old. Best to replace incrementally instead of all at once. | \$ 400,000 | 24.7 | Bonding | | | | | | |
| 314 | Fire Dept | Replace Fire Dept Aerial Ladder (Ladder 3) | Replace Ladder 3. 15 years old. Ladder 3 becomes a spare, replacing spare Ladder 4. | \$ 1,000,000 | 23.5 | Bonding | | | | | | |

LARGE VEHICLES / EQUIPMENT TOTAL \$ 10,571,000

PARKS AND OPEN SPACE (by Priority)

| | | | | | | | | | | | | |
|-----|-----------|--|---|--------------|------|---------|--|------------|-----------|--|--|--------------|
| 26 | Parks/Rec | Crystal Lake - Water Filtration System | Upgrade water filtration system to mitigate algae. | \$ 100,000 | 48.7 | Bonding | | \$ 100,000 | | | | |
| 55 | Parks/Rec | Newton Centre Playground Phase V & VI Accessibility | Add ADA compliant access route to a portion of Newton Centre Playground. Approved for CDBG funding by City Commission on Disability. | \$ 90,000 | 46.3 | CDBG | | \$ 45,000 | \$ 46,575 | | | |
| 142 | Parks/Rec | Newton Highlands Playgrnd - Ph I Design & Construction | 2008 Master Plan for park renovation in 2 phases. Ph I to address drainage problems & build new ball fields and courts. Highly used park. | \$ 1,650,000 | 37.1 | Bonding | | | | | | \$ 1,893,413 |
| 185 | Parks/Rec | Replace Weeks Playground Tennis Courts | Replace 4 existing tennis courts at Weeks Playground. | \$ 220,000 | 35.1 | Bonding | | | | | | |
| 186 | Parks/Rec | Replace McGrath Playground (Warren) Tennis Courts | Replace 4 existing tennis courts at McGrath Playground (Warren). | \$ 220,000 | 35.1 | Bonding | | | | | | |
| 220 | Parks/Rec | Newton Highlands Playground - Phase II Design & Construction | 2008 Master Plan for park renovation in 2 phases. Ph II will complete the fields to provide tennis courts and football field. | \$ 1,925,000 | 33.6 | Bonding | | | | | | |
| 241 | Parks/Rec | Newton Upper Falls/ Braceland Playground - Design & Construction | Master Plan for park renovation - Construction will include new athletic fields, new play structure and sitework and improvements. | \$ 1,675,000 | 32.8 | Bonding | | | | | | |
| 282 | Parks/Rec | Replace Cold Spring Park Tennis Courts | Replace 3 existing tennis courts at this location. Courts have deteriorated. | \$ 150,000 | 28.7 | Bonding | | | | | | |
| 283 | Parks/Rec | Replace Halloran Field Athletic Lighting (Albemarle) | Replace the athletic lighting at the City's premier athletic complex | \$ 150,000 | 28.4 | Bonding | | | | | | |
| 298 | Parks/Rec | Replace Cabot Park Tennis Courts | Replace two existing tennis courts at Cabot Park. | \$ 100,000 | 26.0 | Bonding | | | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|-------------------|--|--|--------------------|-------------|----------------|--------------------|---------|--------|--------|--------|--------|
| 315 | Parks/Rec | City Hall and War Memorial Historic Landscape Preservation Project | Restoration and preservation of City Hall grounds Historic Landscape | \$ 1,500,000 | 23.4 | CPA Eligible | | | | | | |
| 316 | Parks/Rec | Replace Newton South High School Tennis Courts | Replace existing courts at this location and lighting. Consider Private-Public Partnership. | \$ 750,000 | 23.3 | Bonding | | | | | | |
| 318 | Jackson Homestead | Restoration of Historic East Burying Grounds | Preservation of Remaining 24 Tombs in two of the three burying grounds. Priority to South, then East Parish, then West Parish sites. | \$ 148,135 | 22.5 | CPA Eligible | | | | | | |
| 321 | Jackson Homestead | Repair/Replace Fencing at Historic Burying Grounds | Restoration of Fences at all 3 burying grounds | \$ 406,600 | 20.0 | CPA Eligible | | | | | | |
| 322 | Parks/Rec | Farlow & Chaffin Parks Historic Landscape Preservation Plan | Restoration and preservation of Farlow and Chaffin Park. Could break out into design vs construction- 2 yrs | \$ 640,000 | 19.8 | CPA Eligible | | | | | | |
| 323 | Jackson Homestead | Restoration of Historic West Burying Grounds | Preservation of Remaining 24 Tombs in two of the three burying grounds. | \$ 146,000 | 19.2 | CPA Eligible | | | | | | |

PARKS AND OPEN SPACE TOTAL \$ 9,870,735

ROADS AND PAVING (by Priority)

| | | | | | | | | | | | | |
|----|-----|--|---|--------------|------|---------------------|--|--------------|--------------|--------------|-----------|--|
| 13 | DPW | Street Paving - Cold Plane and Pave 21 Streets | Streets include Lowell, Webster, Homer, Wolcott, Hawthorne, Weldon, Bellevue, Summit, Lenox, Regent, Waban, Washington (2 sections), Morton, Hillside, | \$ 2,627,240 | 49.6 | Chapt 90/ Alt Funds | | \$ 2,627,240 | | | | |
| 20 | DPW | Repair / Improve Wales St. Bridge (Wellesley MOU) | Repairs required in response to Mass DOT bridge inspection findings. Include new guardrails and bridge railings for height and impact safety requirements. | \$ 400,000 | 49.1 | Chapt 90/ Alt Funds | | \$ 400,000 | | | | |
| 37 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 48.2 | Chapt 90/ Alt Funds | | \$ 150,000 | | | | |
| 41 | DPW | Street Paving - Cold Plane and Pave 20 Streets | Roads include Lowell, Melrose, Staniford, Freeman, Lake, Crystal, Berwick, Oak, Grove, Central, Bridge, Temple, Walnut, Linwood, Walnut Pl, Newtonville, Daniel, Ridge, | \$ 3,032,150 | 47.6 | Chapt 90/ Alt Funds | | | \$ 3,032,150 | | | |
| 42 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 62,000 | 47.4 | CDBG | | \$ 62,000 | | | | |
| 57 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 45.8 | Chapt 90/ Alt Funds | | | \$ 150,000 | | | |
| 59 | DPW | Traffic Light Improvements at Washington Street Intersection (Waltham/Watertown Streets) | Upgrade traffic signal and intersection on Washington St at Waltham/Watertown Sts to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 45.7 | Chapt 90/ Alt Funds | | | \$ 75,000 | | | |
| 63 | DPW | Street Paving - Cold Plane and Pave 21 Streets | Streets include Vernon, Eldredge, Elmwood, Beacon, Pembroke, Durant, Hanson, Bishopsgate, Hammondswood, Monadnock, Otis, Adams, Circuit, Converse, Ruthven, | \$ 2,796,372 | 45.6 | Chapt 90/ Alt Funds | | | | \$ 2,796,372 | | |
| 65 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 45.5 | CDBG | | | \$ 65,723 | | | |
| 70 | DPW | Streetlights - Convert to Energy Efficient Fixtures (LED) | Convert 140 existing high pressure sodium Rte 9 streetlights to LED lights to reduce City's carbon footprint and annual electricity budget. | \$ 100,000 | 44.4 | Chapt 90/ Alt Funds | | \$ 50,000 | | \$ 50,000 | | |
| 77 | DPW | Replace Gath/Albemarle Foot Bridge | Footbridge is in poor condition and is not wheelchair accessible. Footbridge is part of evacuation route for Day MS. | \$ 150,000 | 43.7 | CDBG | | | \$ 150,000 | | | |
| 82 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 43.5 | CDBG | | | | | \$ 70,404 | |
| 85 | DPW | Traffic Light Improvements at Beacon Street and Langley Road Intersection | Upgrade traffic signal and intersection at Beacon St. and Langley Rd to improve safety and visibility, and for ADA compliance. | \$ 75,000 | 42.0 | Chapt 90/ Alt Funds | | | \$ 75,000 | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|---------|--|---|--------------------|-------------|---------------------|--------------------|-----------|-----------|------------|--------------|--------------|
| 86 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 41.4 | Chapt 90/ Alt Funds | | | | \$ 160,684 | | |
| 90 | DPW | Walnut Street (Homer Street to Route 9) Final Design | Eliminate deteriorated roadway condition and enhance public safety. Arterial minor. Federal funds for constr only. Design funded by City. | \$ 250,000 | 40.9 | Chapt 90/ Alt Funds | | | | \$ 250,000 | | |
| 94 | DPW | Streetlights - Gaslight Conversion for Energy Efficiency | Convert 19 gas lights to electric lights on existing utility poles. Convert 56 gaslights to electric lights where no streetlight pole exists. Requires installation of conduit, | \$ 234,000 | 40.5 | Other | | | | | | |
| 97 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 40.3 | CDBG | | | | | | \$ 72,868 |
| 105 | DPW | Street Paving - Cold Plane and Pave 18 Streets | Streets include Crafts, Ward, Morton, Parker, Varick, Annawan, Bennington, Bound Brook, Tower, Henshaw St, Henshaw Ter, Kilburn, Vine, Fuller, Town House Dr, Mill, | \$ 2,904,480 | 39.6 | Chapt 90/ Alt Funds | | | | | \$ 2,904,480 | |
| 108 | DPW | Traffic Light Improvements at Washington Street Intersection (Cherry/Highland Streets) | Upgrade traffic signal and intersection on Washington St at Cheery St and Highland to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 39.1 | Chapt 90/ Alt Funds | | | | | \$ 75,000 | |
| 115 | DPW | Repave Pearl Street Parking Lot | Repave Pearl Street municipal parking lot which is in poor condition. | \$ 125,000 | 38.0 | Chapt 90/ Alt Funds | | | | | \$ 125,000 | |
| 117 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 37.8 | Chapt 90/ Alt Funds | | | | | \$ 150,000 | |
| 122 | DPW | Street Paving - Cold Plane and Pave 26 Streets | Dedham, Prince, Berkeley, Cherry, Highland Ave, Grafton, Bald Pate, Waban, Lyman, Lee, Colbert, East Colbert, Oak Cliff, Whittier, Paul, Allerton, Locksley, Rotherwood, | \$ 2,984,197 | 37.7 | Chapt 90/ Alt Funds | | | | | | \$ 2,984,197 |
| 127 | DPW | Parking Improvements | Phased project to upgrade parking meters/install kiosks to take credit cards as well as cash. Repave city parking lot in poor condition (Pearl Street lot). | \$ 250,000 | 37.4 | Chapt 90/ Alt Funds | | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| 137 | DPW | Traffic Light Improvements at Washington Street and Perkins Intersection | Upgrade traffic signal and intersection on Washington St at Perkins Street to improve safety, visibility, and for ADA compliance. | \$ 75,000 | 37.1 | Chapt 90/ Alt Funds | | | | | | \$ 75,000 |
| 138 | DPW | Sidewalk Improvements -Provide ADA Access Curb Cuts | Provide curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks. | \$ 63,500 | 37.1 | CDBG | | | | | | |
| 147 | DPW | Sidewalk Improvements | Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads. | \$ 150,000 | 36.8 | Chapt 90/ Alt Funds | | | | | | \$ 150,000 |
| 173 | Schools | Burr School - Sitework Sidewalk Ramp Repairs | Front stair railing collapsing; catch basin at entrance plaza, parking area, make accessible route | \$ 280,000 | 35.4 | Bonding | | | | | | |
| 225 | DPW | Commonwealth Ave (Route 128 to Washington Street) - Preliminary and Final Design | Eliminate deteriorated roadway condition, improve public safety and restore Commonwealth Ave to previous boulevard status. Arterial minor. | \$ 500,000 | 33.6 | Chapt 90/ Alt Funds | | | | | | |
| 226 | DPW | Washington St (Comm Ave to Centre St) Preliminary and Final Design | Eliminate deteriorated roadway condition and improve public safety. Arterial minor. Federal funds for constr only. Design funded by City. | \$ 500,000 | 33.6 | Chapt 90/ Alt Funds | | | | | | |
| 313 | Schools | Schools - Repave Parking Areas | Repave parking areas and sidewalks in poor condition at Ward, Brown, Underwood, Mason Rice, Oak Hill, Williams, Zervas and Peirce. | \$ 400,000 | 23.7 | Bonding | | | | | | |

ROADS AND PAVING TOTAL \$ 18,899,439

SEWER SYSTEM (by Priority)

| | | | | | | | | | | | | |
|----|------------|---|---|--------------|------|------------------|------------|--------------|--|--|--|--|
| 4 | DPW/ Sewer | Sewer Inflow /Infiltration Project - West Newton Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY13) and constr (FY14) for West Newton area. | \$ 5,643,625 | 52.0 | Enterprise Funds | \$ 902,000 | \$ 4,741,625 | | | | |
| 21 | DPW/ Sewer | Islington Road Sewer Pump Station - Replace Pumps | Sewerage is pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pumps, motors and flow recorder which are at life expectancy. | \$ 100,000 | 49.0 | Enterprise Funds | | \$ 100,000 | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|--------------------|------------|---|--|----------------------|-------------|------------------|--------------------|------------|--------------|--------------|--------------|--------------|
| 29 | DPW/ Sewer | Elliot Street Sewer Pump Station - Repair Pumps | Sewerage is pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pumps and flow recorder which are at life expectancy. | \$ 100,000 | 48.6 | Enterprise Funds | | \$ 100,000 | | | | |
| 34 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Lower Falls Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY14) and constr (FY15) for Lower Falls area. | \$ 3,861,585 | 48.4 | Enterprise Funds | | \$ 523,710 | \$ 3,454,701 | | | |
| 44 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Chestnut Hill Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY15) and constr (FY16) for Chestnut Hill area. | \$ 6,510,150 | 47.3 | Enterprise Funds | | | \$ 1,301,538 | \$ 5,626,743 | | |
| 51 | DPW/ Sewer | Quinobequin Road Sewer Pump Station - Replace Pump | Sewerage pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pump 1 and motors at life expectancy. | \$ 380,000 | 46.8 | Enterprise Funds | | \$ 120,000 | | | \$ 144,133 | \$ 149,178 |
| 71 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Newton Centre | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY16) and constr (FY17) for Newton Centre area. | \$ 3,958,875 | 44.3 | Enterprise Funds | | | | \$ 609,795 | \$ 3,758,138 | |
| 78 | DPW/ Sewer | Prairie Avenue Sewer Pump Station | Station built 1950, rehabbed in 1992. Contains 2 (5 hp) pumps. Replace wet well. | \$ 100,000 | 43.7 | Enterprise Funds | | | | \$ 107,123 | | |
| 100 | DPW/ Sewer | Sewer Inflow /Infiltration Project - Nonantum Area | Part of 12 yr \$49.1 M program to remove excess inflow and infiltration into sewer system. Design (FY17) and constr (FY18) for Nonantum area. | \$ 4,505,355 | 40.2 | Enterprise Funds | | | | | \$ 631,138 | \$ 4,516,771 |
| 124 | DPW/ Sewer | Hamlet Street Sewer Pump Station - Replace Pumps | Sewerage is pumped to a higher point and gravity fed to MWRA pipes for treatment. Replace pumps and motors. | \$ 100,000 | 37.6 | Enterprise Funds | | | | | | \$ 114,752 |
| SEWER TOTAL | | | | \$ 25,259,590 | | | | | | | | |

STORM SYSTEM (by Priority)

| | | | | | | | | | | | | |
|--------------------|------------|--|--|---------------------|------|------------------|--|--|------------|------------|------------|------------|
| 53 | DPW/ Storm | Cheesecake Brook Drainage Basin: Repair and Rebuild Retaining Wall | Wall integrity is jeopardized. Project to minimize property damage due to flooding from heavy rains and compromised conveyance systems and minimize street | \$ 300,000 | 46.5 | Enterprise Funds | | | \$ 103,500 | | | |
| 61 | DPW/ Storm | Repair Hammond St Drain | Storm drain pipe has partially collapsed and requires repair to prevent flooding. | \$ 200,000 | 45.6 | Enterprise Funds | | | \$ 207,000 | | | |
| 91 | DPW/ Storm | Rehabilitation of Forest Grove Storm System Pump Station | Pump station is used for flood and mosquito control of Flowed Meadow and needs upgrades and repair work to function properly. | \$ 150,000 | 40.8 | Enterprise Funds | | | | \$ 160,684 | | |
| 114 | DPW/ Storm | Assessment of Storm System | Assess storm system to determine prioritized list of needed investments for next 10-20 years. | \$ 350,000 | 38.1 | Enterprise Funds | | | | | \$ 388,051 | |
| 116 | DPW/ Storm | Laundry Brook Culvert Repairs | Repair of culverts along Laundry Brook to prevent flooding. | \$ 643,000 | 38.0 | Enterprise Funds | | | | | \$ 712,906 | |
| 146 | DPW/ Storm | Pellegrini Park Drain Replacement | Replace existing pipe which has settled and is causing flooding. | \$ 130,000 | 36.9 | Enterprise Funds | | | | | | \$ 149,178 |
| 311 | DPW/ Storm | Repair Bulloughs Pond Sluice Gate | Repair poorly functioning gate valve used to regulate water storage capacity in City Hall ponds for stormwater. | \$ 60,000 | 24.1 | Enterprise Funds | | | | | | |
| STORM TOTAL | | | | \$ 1,833,000 | | | | | | | | |

WATER SYSTEM (by Priority)

| | | | | | | | | | | | | |
|----|------------|---|--|--------------|------|------------------|--|--------------|--|--|--|--|
| 5 | DPW/ Water | Replace Water Pipes to Improve Fire Flows | Year two of 3 year program to replace and repair water pipes in order to meet ISO fire flow standards which are currently deficient. | \$ 3,851,000 | 51.1 | Enterprise Funds | | \$ 3,851,000 | | | | |
| 16 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 164,000 | 49.4 | Enterprise Funds | | \$ 164,000 | | | | |

| Priority | Dept | Project Title | Project Description / Justification | Est Cost in FY2014 | Risk Factor | Funding Source | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|---------------------------|------------|---|---|-----------------------|---|------------------|--------------------|---------|--------------|--------------|--------------|--------------|
| 35 | DPW/ Water | Replace Water Pipes to Improve Fire Flows | Year three of 3 year program to replace and repair water pipes in order to meet ISO fire flow standards which are currently deficient. | \$ 4,209,000 | 48.3 | Enterprise Funds | | | \$ 4,356,315 | | | |
| 62 | DPW/ Water | Water Pump - Rebuild and Repair Dedham Street Water Pump | Replace 60 hp pump in Fire Station #10; boosts water pressure in high areas of City. Pumps fill Oak Hill Tank. Coord w/construct. | \$ 100,000 | 45.6 | Enterprise Funds | | | \$ 103,500 | | | |
| 68 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,034,180 | 45.1 | Enterprise Funds | | | | \$ 4,321,514 | | |
| 99 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,018,200 | 40.2 | Enterprise Funds | | | | | \$ 4,455,050 | |
| 131 | DPW/ Water | Clean and Line Water Pipes to Improve Water Quality | Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving. | \$ 4,074,600 | 37.3 | Enterprise Funds | | | | | | \$ 4,675,697 |
| 134 | DPW/ Water | Water Tanks - Remove Stanton Ave. & Winchester St. Water Tanks | Based on hydraulic studies, tanks are no longer needed to maintain water pressure. Structural assessment may be needed. | \$ 600,000 | 37.2 | Enterprise Funds | | | | | | \$ 688,514 |
| 165 | DPW/ Water | Needham Street - Clean and Line Water Main - Oak to Charlemont (FY15) | Deferred. Cleaning and lining 760 LF of 8" water main, 1880. This precedes upcoming TIP funded road reconstruction project. | \$ 136,800 | 35.7 | Enterprise Funds | | | | | | |
| 167 | DPW/ Water | Wolcott St - Replace Water Main at Wolcott St - Webster to Ionia (FY14) | Deferred due to paving. Replace 1,150 LF of 6" water main with 8", 1905. This precedes scheduled roadway paving. | \$ 230,000 | 35.6 | Enterprise Funds | | | | | | |
| 187 | DPW/ Water | Webster St. - Clean and Line Water Main on Webster St | Deferred due to paving. Waltham to Wolcott (FY14). Cleaning and lining 3,150 LF of 8" water main, 1932. This precedes scheduled roadway paving. | \$ 759,000 | 35.1 | Enterprise Funds | | | | | | |
| 265 | DPW/ Water | Hillside Ave - Otis to Austin | Deferred. Replace 1048 LF of 6" water main with 8", 1877. This precedes scheduled roadway paving. | \$ 209,600 | 30.2 | Enterprise Funds | | | | | | |
| WATER TOTAL | | | | \$ 22,386,380 | | | | | | | | |
| 5-Year Total Need: | | | | \$ 336,206,659 | Total Projected to be Funded Over 5 Years: \$221,506,103 | | | | | | | |

**CITY OF NEWTON
5 YEAR CAPITAL IMPROVEMENT PLAN
BY
FUNDING SOURCE**

Five Year CIP by Funding Source

Total \$221,506,103

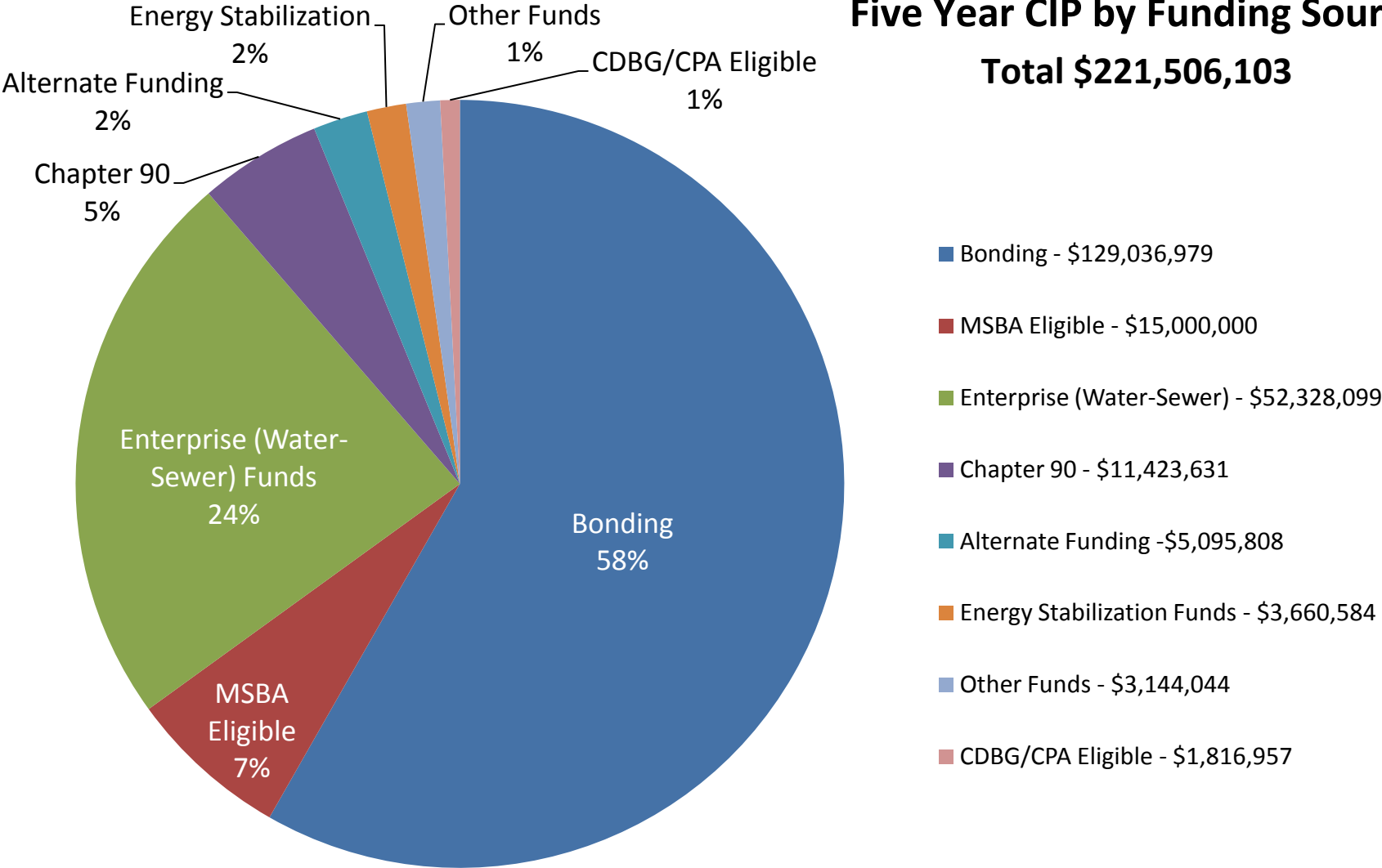


Figure 5. Cost Break-out by Funding Source

| FY2014-2018 CIP by Funding Source | | | | | | | ESCALATED COSTS (Costs in FY2015-2018 are escalated 3.5% a year) | | | | |
|-----------------------------------|---------------|--------------------------|--|--------------------|-------------|--------------------|---|---------------|---------------|---------------|---------------|
| | | | | | | | Total | Total | Total | Total | Total |
| | | | | | | | \$ 46,641,575 | \$ 40,233,912 | \$ 55,880,081 | \$ 41,272,841 | \$ 37,477,694 |
| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
| BONDING (by Priority) | | | | | | | | | | | |
| 1 | Schools | Building | Angier School - Renovation or Replacement | \$ 35,000,000 | 63.1 | \$ 750,000 | \$ 5,000,000 | \$ 17,500,000 | \$ 12,500,000 | | |
| 2 | Schools | Building | Carr School - Building Renovation | \$ 12,700,000 | 55.1 | \$ 1,000,000 | \$ 11,700,000 | | | | |
| 3 | Fire Dept | Building | Fire Station #3, HQs, and Wires - Renovate/Replace Newton Centre Station | \$ 17,500,000 | 55.1 | | \$ 4,000,000 | \$ 5,000,000 | \$ 8,500,000 | | |
| 7 | Schools | Building | Lincoln Eliot School - Add Four Modular Classrooms | \$ 3,000,000 | 50.5 | | \$ 3,000,000 | | | | |
| 9 | Fire Dept | Building | Fire Station #10 (Dedham Street) Renovation | \$ 4,252,000 | 50.3 | \$ 780,000 | \$ 3,472,000 | | | | |
| 10 | DPW | Building | Crafts Street Garage - Building Envelope & Roof Repair/ Replacem | \$ 870,000 | 50.3 | \$ 260,000 | \$ 610,000 | | | | |
| 11 | Schools | Building | Cabot School - Renovation and Addition/Replacement | \$ 37,500,000 | 50.0 | | \$ 750,000 | | \$ 15,000,000 | \$ 22,500,000 | |
| 14 | Schools | Building | Zervas and Bigelow School Electrical Upgrades | \$ 80,000 | 49.5 | | \$ 80,000 | | | | |
| 15 | Schools | Building | Bowen School - Mechanical Upgrades | \$ 100,000 | 49.5 | | \$ 100,000 | | | | |
| 18 | Senior Center | Building | Senior Center - Mechanical Upgrades | \$ 188,000 | 49.1 | | \$ 188,000 | | | | |
| 22 | Schools | Building | Ed Center - Pre-K Building Upgrades | \$ 1,000,000 | 49.0 | | \$ 1,000,000 | | | | |
| 23 | Parks/Rec | Building | Lower Falls Community Center - Accessibility/ Site Upgrades | \$ 300,000 | 48.9 | \$ 25,000 | \$ 275,000 | | | | |
| 24 | Schools | Building | Ward School - Accessible Entrance | \$ 200,000 | 48.9 | | \$ 200,000 | | | | |
| 26 | Parks/Rec | Parks / Open Space | Crystal Lake - Water Filtration System | \$ 100,000 | 48.7 | | \$ 100,000 | | | | |
| 27 | DPW | Large Vehicle/ Equipment | DPW - Replace Street Sweeper | \$ 172,000 | 48.6 | | \$ 172,000 | | | | |
| 32 | Schools | Building | Zervas School - Renovation and Addition/ Replacement | \$ 42,500,000 | 48.6 | | \$ 750,000 | | | | \$ 17,500,000 |
| 33 | DPW | Large Vehicle/ Equipment | DPW - Replace 1995 Backhoe | \$ 110,000 | 48.4 | | \$ 110,000 | | | | |
| 36 | Schools | Building | Peirce School - Mechanical Upgrades | \$ 240,000 | 48.3 | | | \$ 248,400 | | | |
| 38 | Library | Building | Newton Free Library - Mechanical Upgrades | \$ 1,100,000 | 48.2 | | | \$ 517,500 | \$ 321,368 | \$ 332,615 | |
| 39 | Police | Building | Police Headquarters - Mechanical Upgrades | \$ 300,000 | 48.0 | | | \$ 310,500 | | | |
| 40 | Schools | Building | Horace Mann School - Exterior Masonry | \$ 100,000 | 47.6 | | | \$ 103,500 | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--------------------------|---|--------------------|-------------|--------------------|---------|------------|------------|------------|--------|
| 45 | Schools | Building | Lincoln Eliot School - Plumbing Upgrades | \$ 650,000 | 47.1 | | | \$ 207,000 | | \$ 498,923 | |
| 46 | Public Buildings | Building | Replace Underground Storage Tanks at City Buildings | \$ 100,000 | 47.1 | | | \$ 103,500 | | | |
| 47 | Schools | Building | Horace Mann School - Electrical/ Emergency Generator | \$ 350,000 | 47.1 | | | \$ 129,375 | | | |
| 50 | Fire Dept | Building | Fire Station #1, Newton Corner - Replace Emergency Generator | \$ 123,000 | 46.9 | | | \$ 127,305 | | | |
| 54 | DPW | Large Vehicle/ Equipment | DPW - Replace Large Construction Trucks | \$ 300,000 | 46.3 | | | \$ 310,500 | | | |
| 56 | Public Buildings | Building | City Hall - Plumbing and Accessibility Improvements | \$ 100,000 | 45.9 | | | \$ 103,500 | | | |
| 60 | Police | Building | Police Headquarters - Roof Repair/ Replacement | \$ 83,000 | 45.6 | | | \$ 85,905 | | | |
| 66 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Pumper Truck (Engine 1) | \$ 600,000 | 45.4 | | | | \$ 642,735 | | |
| 67 | Public Buildings | Building | Replace Underground Storage Tanks at City Buildings | \$ 100,000 | 45.3 | | | | \$ 107,123 | | |
| 69 | Schools | Building | Ed Center - Electrical Upgrades | \$ 225,000 | 44.6 | | | | \$ 241,026 | | |
| 72 | Schools | Building | Ed Center - Exterior Masonry Work | \$ 400,000 | 44.1 | | | | \$ 107,123 | | |
| 73 | Public Buildings | Building | City Hall - Envelope - Masonry Repairs | \$ 425,000 | 44.0 | | | | \$ 133,903 | | |
| 74 | Fire Dept | Building | Fire Station #1, Newton Corner - Replace Tanks | \$ 75,000 | 43.8 | | | | \$ 80,342 | | |
| 75 | Schools | Building | FA Day School - Replace Boilers | \$ 450,000 | 43.8 | | | | \$ 107,123 | \$ 388,051 | |
| 76 | DPW | Large Vehicle/ Equipment | DPW - Replace 1985 Excavator | \$ 270,000 | 43.8 | | | | \$ 289,231 | | |
| 79 | Public Buildings | Building | City Hall - Mechanical Upgrades | \$ 425,000 | 43.7 | \$ 50,000 | | | \$ 267,806 | \$ 138,590 | |
| 80 | Parks/Rec | Building | Pelligrini Park Field House - Mechanical Upgrades | \$ 250,000 | 43.6 | | | | \$ 160,684 | | |
| 81 | Schools | Building | Horace Mann School - Replace Roof | \$ 375,000 | 43.5 | | | | \$ 401,709 | | |
| 92 | Schools | Building | Bigelow School - Mechanical Upgrades | \$ 250,000 | 40.8 | | | | | \$ 277,179 | |
| 96 | DPW | Building | Crafts Street Garage - Mechanical Upgrades | \$ 400,000 | 40.4 | | | | | \$ 443,487 | |
| 98 | Fire Dept | Building | Fire Station #2, West Newton - Replace Emergency Generator | \$ 163,000 | 40.3 | | | | | \$ 180,721 | |
| 101 | Schools | Building | Lincoln Eliot School - Replace Emergency Generator | \$ 150,000 | 40.1 | | | | | \$ 166,308 | |
| 103 | Public Buildings | Building | Replace Underground Storage Tanks at City Buildings | \$ 100,000 | 39.9 | | | | | \$ 110,872 | |
| 111 | Fire Dept | Building | Fire Station #1, Newton Corner - Replace Windows & Doors & Repair Masonry | \$ 386,000 | 38.3 | | | | | \$ 427,965 | |
| 112 | Fire Dept | Building | Fire Station #2, West Newton - Replace Ext. Windows & Doors | \$ 87,000 | 38.3 | | | | | \$ 96,458 | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--------------------------|--|--------------------|-------------|--------------------|---------|--------|--------|------------|--------------|
| 113 | Schools | Building | Brown School - Replace Underground Storage Tank | \$ 200,000 | 38.1 | | | | | \$ 221,744 | |
| 118 | DPW | Large Vehicle/ Equipment | DPW - Replace Large Construction Trucks | \$ 300,000 | 37.8 | | | | | \$ 332,615 | |
| 123 | Schools | Building | Ed Center - Mechanical Upgrades | \$ 1,000,000 | 37.6 | | | | | | \$ 286,881 |
| 125 | Public Buildings | Building | Replace Underground Storage Tanks at City Buildings | \$ 100,000 | 37.5 | | | | | | \$ 114,752 |
| 126 | DPW | Large Vehicle/ Equipment | DPW - Replace 1997 Backhoe | \$ 110,000 | 37.5 | | | | | | \$ 126,228 |
| 129 | DPW | Building | Crafts St. Salt Storage Sheds Replacement | \$ 400,000 | 37.4 | | | | | | \$ 459,009 |
| 130 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Pumper Truck (Engine 3) | \$ 600,000 | 37.4 | | | | | | \$ 688,514 |
| 132 | Schools | Building | Newton South High School - Fire Alarm Upgrades | \$ 150,000 | 37.3 | | | | | | \$ 172,128 |
| 135 | Police | Building | Police Annex - Emergency Generator | \$ 140,000 | 37.1 | | | | | | \$ 160,653 |
| 139 | Schools | Building | Ed Center - Accessibility Upgrades | \$ 400,000 | 37.1 | | | | | | \$ 114,752 |
| 140 | Schools | Building | Burr School - Accessibility Upgrades | \$ 300,000 | 37.1 | | | | | | \$ 114,752 |
| 141 | Schools | Building | Newton South High School - Mechanical Upgrades | \$ 375,000 | 37.1 | | | | | | \$ 430,321 |
| 142 | Parks/Rec | Parks / Open Space | Newton Highlands Playgrnd - Ph I Design & Construction | \$ 1,650,000 | 37.1 | | | | | | \$ 1,893,413 |
| 143 | DPW | Large Vehicle/ Equipment | DPW - Replace 1994 Packer Trash Collection Vehicle | \$ 150,000 | 37.1 | | | | | | \$ 172,128 |
| 144 | Parks/Rec | Building | Gath Pool - New Swim Facility Design and Construction | \$ 7,500,000 | 37.0 | | | | | | \$ 573,762 |
| 145 | Public Buildings | Building | City Hall - Sprinklers and Fire Alarm Upgrades | \$ 1,215,000 | 36.9 | | | | | | |
| 150 | Library | Building | Newton Free Library - Generator Replacement | \$ 250,000 | 36.4 | | | | | | |
| 151 | Fire Dept | Large Vehicle/ Equipment | New Fire Dept Combo Lighting / Cascade Truck/ Emergency Rescue Unit. | \$ 100,000 | 36.4 | | | | | | |
| 152 | Public Buildings | Building | City Hall - Roof Repair/Replacement | \$ 1,226,000 | 36.4 | | | | | | |
| 153 | Public Buildings | Building | City Hall - Electrical Upgrades | \$ 225,000 | 36.3 | | | | | | |
| 154 | Public Buildings | Building | City Hall - Elevator and Accessibility Upgrades | \$ 300,000 | 36.3 | | | | | | |
| 155 | Schools | Building | Ward School - Mechanical Upgrades | \$ 2,000,000 | 36.2 | | | | | | |
| 156 | Schools | Building | Ward School - Accessibility Improvements | \$ 1,480,000 | 36.2 | | | | | | |
| 157 | Fire Dept | Building | Fire Station #2, West Newton - Mechanical Upgrades | \$ 140,000 | 36.2 | | | | | | |
| 158 | Schools | Building | Bowen School - Roof Replacement | \$ 180,000 | 36.2 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|-----------------------------|--|--------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 159 | Schools | Building | Mason Rice School - Electrical Upgrades | \$ 325,000 | 36.1 | | | | | | |
| 160 | Schools | Building | Peirce School - Plumbing Upgrades | \$ 225,000 | 36.0 | | | | | | |
| 161 | Schools | Building | Mason Rice School - Replace Roof | \$ 580,000 | 35.9 | | | | | | |
| 162 | Schools | Building | Bigelow School - Roof Replacement | \$ 750,000 | 35.9 | | | | | | |
| 163 | Schools | Building | Burr School - Replace Roof | \$ 450,000 | 35.9 | | | | | | |
| 168 | Schools | Building | Mason Rice School - Mechanical Upgrades | \$ 450,000 | 35.6 | | | | | | |
| 169 | DPW | Building | Elliot St. Garage - Electrical Upgrades | \$ 192,000 | 35.5 | | | | | | |
| 170 | Schools | Building | Bowen School - Mechanical Upgrades | \$ 325,000 | 35.5 | | | | | | |
| 171 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Bucket Truck | \$ 200,000 | 35.4 | | | | | | |
| 173 | Schools | Roads/ Paving | Burr School - Sitework Sidewalk Ramp Repairs | \$ 280,000 | 35.4 | | | | | | |
| 174 | Schools | Building | Bigelow School - Replace Windows and Doors | \$ 400,000 | 35.4 | | | | | | |
| 175 | Schools | Building | Underwood School - Accessibility Upgrades | \$ 415,000 | 35.4 | | | | | | |
| 177 | DPW | Building | Elliot St. Operations Building - Building Envelope | \$ 123,000 | 35.2 | | | | | | |
| 178 | DPW | Large Vehicle/ Equipment | DPW - Replace 1998 Front End Loader | \$ 160,000 | 35.2 | | | | | | |
| 180 | Schools | Building | Memorial Spaulding School - Mechanical Upgrades | \$ 750,000 | 35.2 | | | | | | |
| 181 | Schools | Building | Underwood School - Replace Roof | \$ 450,000 | 35.1 | | | | | | |
| 182 | Schools | Building | Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System | \$ 250,000 | 35.1 | | | | | | |
| 183 | Schools | Building | Newton South High School - Electrical Upgrades | \$ 150,000 | 35.1 | | | | | | |
| 185 | Parks/Rec | Parks / Open Space | Replace Weeks Playground Tennis Courts | \$ 220,000 | 35.1 | | | | | | |
| 186 | Parks/Rec | Parks / Open Space | Replace McGrath Playgound (Warren) Tennis Courts | \$ 220,000 | 35.1 | | | | | | |
| 189 | Parks/Rec | Building | Emerson Community Center - Accessibility Upgrades | \$ 209,000 | 35.0 | | | | | | |
| 190 | Schools | Building | Williams School - Mechanical Upgrades | \$ 200,000 | 34.9 | | | | | | |
| 191 | Schools | Building | Underwood School - Mechanical Upgrades | \$ 525,000 | 34.9 | | | | | | |
| 192 | Public Buildings | Building | City Hall - Repair/Replace Stone Entry Stairs and Accessible Ramp | \$ 324,000 | 34.9 | | | | | | |
| 193 | Schools | Building | Countryside School - Mechanical Upgrades | \$ 250,000 | 34.9 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|-----------------------------|--|--------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 194 | Schools | Building | Ward School - Mechanical Upgrades | \$ 300,000 | 34.9 | | | | | | |
| 195 | Schools | Building | Bigelow School - Mechanical Upgrades | \$ 960,000 | 34.9 | | | | | | |
| 196 | Police | Building | Police Annex - Mechanical Upgrades | \$ 170,000 | 34.9 | | | | | | |
| 197 | DPW | Large Vehicle/ Equipment | DPW - Replace Street Sweeper | \$ 172,000 | 34.8 | | | | | | |
| 198 | DPW | Building | Elliot Street Sand_Salt Shed - Structural and Envelope Repairs | \$ 142,000 | 34.8 | | | | | | |
| 199 | Public Buildings | Building | Nonantum Library-Mechanical | \$ 205,000 | 34.7 | | | | | | |
| 200 | Fire Dept | Building | Fire Station #1, Newton Corner - Renovation | \$ 7,230,000 | 34.6 | | | | | | |
| 201 | Schools | Building | Lincoln Eliot School - Mechanical Upgrades | \$ 525,000 | 34.6 | | | | | | |
| 202 | Parks/Rec | Building | Emerson Community Center - Mechanical Upgrades | \$ 75,000 | 34.6 | | | | | | |
| 204 | Public Buildings | Building | Waban Library-Electrical | \$ 108,000 | 34.5 | | | | | | |
| 205 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Aerial Ladder (Ladder 2) | \$ 1,000,000 | 34.4 | | | | | | |
| 207 | Fire Dept | Building | Fire Station #2, West Newton - Repair Building Envelope | \$ 166,000 | 34.4 | | | | | | |
| 208 | Parks/Rec | Building | Pelligrini Park Field House - Replace Roofs | \$ 225,000 | 34.4 | | | | | | |
| 210 | Schools | Building | Bowen School - Electrical Upgrades | \$ 75,000 | 34.2 | | | | | | |
| 211 | Public Buildings | Building | Nonantum Library-Electrical | \$ 101,637 | 34.2 | | | | | | |
| 213 | Parks/Rec | Building | Gath Pool - Electrical and Mechanical Upgrades | \$ 142,000 | 34.0 | | | | | | |
| 214 | Public Buildings | Building | Kennard Estate - Replace Septic System | \$ 100,000 | 34.0 | | | | | | |
| 215 | Schools | Building | Horace Mann School - Accessibility Upgrades | \$ 220,000 | 33.9 | | | | | | |
| 216 | DPW | Large Vehicle/ Equipment | DPW - Replace Street Sweeper | \$ 172,000 | 33.9 | | | | | | |
| 220 | Parks/Rec | Parks / Open Space | Newton Highlands Playground - Phase II Design & Construction | \$ 1,925,000 | 33.6 | | | | | | |
| 221 | Parks/Rec | Building | Lower Falls Community Center - Electrical Upgrades | \$ 84,000 | 33.6 | | | | | | |
| 222 | DPW | Building | Elliot St. Garage - New Windows and Doors and Envelope Repairs | \$ 103,000 | 33.6 | | | | | | |
| 223 | Schools | Building | Ward School - Electrical Upgrades | \$ 210,000 | 33.6 | | | | | | |
| 224 | Parks/Rec | Building | Emerson Community Center - Electrical Upgrades | \$ 108,000 | 33.6 | | | | | | |
| 227 | Library | Information Technology | Library Book Autocheckin/ Sorting System | \$ 210,000 | 33.5 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--------------------------|--|--------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 228 | DPW | Large Vehicle/ Equipment | DPW - Replace 1984 Do All Large Construction Truck | \$ 150,000 | 33.5 | | | | | | |
| 229 | Fire Dept | Building | Fire Station #2, West Newton - Renovation | \$ 7,700,000 | 33.5 | | | | | | |
| 230 | DPW | Building | Elliot St. Operations Building - Roof Repair/ Replacement | \$ 235,000 | 33.5 | | | | | | |
| 231 | Police | Building | Police Garage - Mechanical Upgrades | \$ 164,000 | 33.5 | | | | | | |
| 232 | DPW | Large Vehicle/ Equipment | DPW - Replace 1993 Bombadier Sidewalk Plow | \$ 125,000 | 33.5 | | | | | | |
| 233 | Senior Center | Building | Senior Center - Sprinklers and Fire Alarm Upgrades | \$ 170,000 | 33.4 | | | | | | |
| 234 | Public Buildings | Building | City Hall - Plumbing Upgrades | \$ 137,000 | 33.2 | | | | | | |
| 235 | Schools | Building | Ward School - Replace Roof | \$ 160,000 | 33.1 | | | | | | |
| 236 | Schools | Building | Memorial Spaulding School - Replace Roof | \$ 350,000 | 33.1 | | | | | | |
| 237 | Parks/Rec | Building | Burr Park Field House - Mechanical/Electrical Upgrades | \$ 100,000 | 33.1 | | | | | | |
| 238 | Public Buildings | Building | Public Buildings Department-Electrical | \$ 118,000 | 33.1 | | | | | | |
| 239 | Schools | Building | Bigelow School - Accessibility Upgrades | \$ 400,000 | 33.1 | | | | | | |
| 240 | Public Buildings | Building | Public Buildings Department-Mechanical | \$ 115,000 | 32.9 | | | | | | |
| 241 | Parks/Rec | Parks / Open Space | Newton Upper Falls/ Braceland Playground - Design & Construction | \$ 1,675,000 | 32.8 | | | | | | |
| 243 | Parks/Rec | Building | Pelligrini Park Field House - Exterior Windows & Doors | \$ 130,500 | 32.5 | | | | | | |
| 245 | Parks/Rec | Building | Burr Park Field House - Accessibility/Site Upgrades | \$ 160,500 | 32.4 | | | | | | |
| 246 | Public Buildings | Building | Kennard Estate-Building Envelope, Windows and Doors | \$ 240,000 | 32.3 | | | | | | |
| 247 | Public Buildings | Building | Auburndale Library -Mechanical Upgrades | \$ 125,000 | 32.3 | | | | | | |
| 248 | Parks/Rec | Building | Pelligrini Park Field House - Electrical Upgrades | \$ 176,000 | 32.1 | | | | | | |
| 249 | Schools | Building | Lincoln Eliot School - Replace Windows and Doors | \$ 280,000 | 32.0 | | | | | | |
| 250 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Pumper Truck (Engine 7) | \$ 600,000 | 32.0 | | | | | | |
| 251 | Schools | Building | FA Day School - Accessibility Upgrades / Replace Elevator | \$ 350,000 | 32.0 | | | | | | |
| 252 | Police | Building | Police Garage - Roof Replacement | \$ 193,000 | 31.9 | | | | | | |
| 253 | DPW | Building | Crafts Street Garage - Replace Overhead Garage Doors | \$ 80,000 | 31.9 | | | | | | |
| 254 | Parks/Rec | Large Vehicle/ Equipment | Replace Parks Dump Truck (replace 1998 truck #430) | \$ 75,000 | 31.8 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|-----------------------------|--|--------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 255 | Schools | Building | Franklin School - Building Envelope | \$ 700,000 | 31.7 | | | | | | |
| 256 | Parks/Rec | Building | Newton Corner Parks & Rec Headquarters - Building Envelope | \$ 114,500 | 31.3 | | | | | | |
| 257 | Police | Building | Police Headquarters - Repair Concrete | \$ 100,000 | 31.3 | | | | | | |
| 258 | DPW | Building | Elliot St. Operations Building - Mechanical/ Plumbing Upgrades | \$ 169,000 | 31.3 | | | | | | |
| 259 | Schools | Building | Horace Mann School - Restore/Replace Modular | \$ 1,000,000 | 31.2 | | | | | | |
| 261 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept 1994 Cube Van W-4 | \$ 60,000 | 30.9 | | | | | | |
| 262 | Parks/Rec | Building | Auburndale Cove Fieldhouse - Building Upgrades | \$ 206,000 | 30.7 | | | | | | |
| 263 | Public Buildings | Building | City Hall - Kitchen Mechanical Upgrades | \$ 168,000 | 30.5 | | | | | | |
| 264 | Parks/Rec | Building | Upper Falls Fieldhouse-Building Upgrades | \$ 123,000 | 30.3 | | | | | | |
| 266 | Schools | Building | Franklin School - Mechanical Upgrades | \$ 825,000 | 30.2 | | | | | | |
| 267 | Schools | Building | Bowen School - Accessibility Upgrades | \$ 200,000 | 30.1 | | | | | | |
| 268 | Schools | Building | Franklin School - Accessibility and Plumbing Upgrades | \$ 365,000 | 30.1 | | | | | | |
| 269 | Schools | Building | Mason Rice School - Accessibility Upgrades | \$ 185,000 | 30.1 | | | | | | |
| 270 | Schools | Building | Memorial Spaulding School - Accessibility Upgrades | \$ 300,000 | 30.1 | | | | | | |
| 271 | Schools | Building | Lincoln Eliot School - Accessibility Upgrades | \$ 940,000 | 30.1 | | | | | | |
| 275 | DPW | Building | Elliot St. Operations Building - Replace Windows & Doors | \$ 80,000 | 29.9 | | | | | | |
| 276 | DPW | Building | Crafts St. Quonset Hut Replacement | \$ 350,000 | 29.8 | | | | | | |
| 277 | Schools | Building | Underwood School - Electrical Upgrades | \$ 100,000 | 29.6 | | | | | | |
| 278 | Schools | Building | Williams School - Accessibility Upgrades | \$ 250,000 | 29.6 | | | | | | |
| 280 | Parks/Rec | Building | Lower Falls Community Center - Replace Gym Floor | \$ 80,000 | 29.3 | | | | | | |
| 282 | Parks/Rec | Parks / Open Space | Replace Cold Spring Park Tennis Courts | \$ 150,000 | 28.7 | | | | | | |
| 283 | Parks/Rec | Parks / Open Space | Replace Halloran Field Athletic Lighting (Albemarle) | \$ 150,000 | 28.4 | | | | | | |
| 284 | Police | Building | Police Garage - Electrical Upgrades | \$ 207,000 | 28.4 | | | | | | |
| 285 | Schools | Building | Peirce School - Accessibility Upgrades | \$ 300,000 | 28.4 | | | | | | |
| 289 | DPW | Building | Crafts Street Garage - Site Upgrades | \$ 194,000 | 26.7 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------------------|------------------|--------------------------|---|-----------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 290 | Schools | Building | Lincoln Eliot School - Electrical Upgrades | \$ 125,000 | 26.7 | | | | | | |
| 291 | Public Buildings | Building | Auburndale Library - Electrical Upgrades | \$ 86,607 | 26.5 | | | | | | |
| 292 | Public Buildings | Building | Public Buildings Department-Roofs | \$ 97,000 | 26.5 | | | | | | |
| 293 | Police | Building | Police Garage - Windows & Doors and Building Envelope | \$ 140,000 | 26.4 | | | | | | |
| 294 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Pumper Truck (Engine 4) | \$ 600,000 | 26.2 | | | | | | |
| 295 | Schools | Building | Peirce School - Electrical Upgrades | \$ 75,000 | 26.1 | | | | | | |
| 296 | Schools | Building | Zervas School - Plumbing Upgrades | \$ 100,000 | 26.1 | | | | | | |
| 297 | Schools | Building | Burr School - Electrical Upgrades | \$ 100,000 | 26.1 | | | | | | |
| 298 | Parks/Rec | Parks / Open Space | Replace Cabot Park Tennis Courts | \$ 100,000 | 26.0 | | | | | | |
| 299 | DPW | Building | Elliot St. Operations Building - Accessibility/Site | \$ 85,000 | 26.0 | | | | | | |
| 300 | Schools | Building | Countryside School - Plumbing Upgrades | \$ 125,000 | 26.0 | | | | | | |
| 302 | Schools | Building | Horace Mann School - Mechanical Upgrades | \$ 300,000 | 25.7 | | | | | | |
| 304 | Schools | Building | Ward School - Replace Windows and Doors | \$ 425,000 | 25.6 | | | | | | |
| 306 | Schools | Building | Countryside School - Replace Windows and Doors | \$ 500,000 | 25.3 | | | | | | |
| 307 | Schools | Building | Brown School - Accessibility Upgrades | \$ 600,000 | 24.8 | | | | | | |
| 308 | Schools | Building | Countryside School - Accessibility Upgrades | \$ 150,000 | 24.8 | | | | | | |
| 310 | Fire Dept | Large Vehicle/ Equipment | Fire Dept Equipment Replacement | \$ 400,000 | 24.7 | | | | | | |
| 313 | Schools | Roads/ Paving | Schools - Repave Parking Areas | \$ 400,000 | 23.7 | | | | | | |
| 314 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Aerial Ladder (Ladder 3) | \$ 1,000,000 | 23.5 | | | | | | |
| 316 | Parks/Rec | Parks / Open Space | Replace Newton South High School Tennis Courts | \$ 750,000 | 23.3 | | | | | | |
| 317 | DPW | Building | New DPW Equipment Shelter - Elliot St | \$ 150,000 | 23.2 | | | | | | |
| 319 | DPW | Building | Elliot St. Garage - Roof Repair/Replacement | \$ 91,000 | 22.2 | | | | | | |
| 324 | DPW | Building | Elliot St. Operations Building - Interior and Finish Upgrades | \$ 147,000 | 18.1 | | | | | | |
| 325 | DPW | Building | New DPW Equipment Shelter - Crafts St | \$ 150,000 | 15.1 | | | | | | |
| BONDING TOTAL | | | | \$ 235,813,744 | | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|---|------------------|--------------------|--|---------------------|-------------|--------------------|--------------|--------------|--------------|-----------|-----------|
| COMMUNITY DEVELOPMENT BLOCK GRANT ELIGIBLE | | | | | | | | | | | |
| 42 | DPW | Roads/ Paving | Sidewalk Improvements -Provide ADA Access Curb Cuts | \$ 62,000 | 47.4 | | \$ 62,000 | | | | |
| 55 | Parks/Rec | Parks / Open Space | Newton Centre Playground Phase V & Vi -Accessibility | \$ 90,000 | 46.3 | | \$ 45,000 | \$ 46,575 | | | |
| 65 | DPW | Roads/ Paving | Sidewalk Improvements -Provide ADA Access Curb Cuts | \$ 63,500 | 45.5 | | | \$ 65,723 | | | |
| 77 | DPW | Roads/ Paving | Replace Gath/Albemarle Foot Bridge | \$ 150,000 | 43.7 | | | | \$ 160,684 | | |
| 82 | DPW | Roads/ Paving | Sidewalk Improvements -Provide ADA Access Curb Cuts | \$ 63,500 | 43.5 | | | | | \$ 70,404 | |
| 97 | DPW | Roads/ Paving | Sidewalk Improvements -Provide ADA Access Curb Cuts | \$ 63,500 | 40.3 | | | | | | \$ 72,868 |
| 138 | DPW | Roads/ Paving | Sidewalk Improvements -Provide ADA Access Curb Cuts | \$ 63,500 | 37.1 | | | | | | |
| 172 | Public Buildings | Building | Waban Library-Accessibility Upgrades | \$ 110,000 | 35.4 | | | | | | |
| 188 | Parks/Rec | Building | Pelligrini Park Field House - Accessibility/ Site Upgrades | \$ 183,500 | 35.0 | | | | | | |
| 273 | Parks/Rec | Building | Newton Corner Parks & Rec Headquarters - Site/ Accessibility Upgrades | \$ 86,000 | 30.0 | | | | | | |
| 274 | Police | Building | Police Annex - Accessibility Upgrades | \$ 83,500 | 30.0 | | | | | | |
| 281 | Police | Building | Police Garage - Accessibility/Site Upgrades | \$ 80,000 | 28.9 | | | | | | |
| 312 | Public Buildings | Building | Nonantum Library-Accessibility/Site | \$ 204,000 | 23.9 | | | | | | |
| 320 | Public Buildings | Building | Auburndale Library -Accessibility and Site Upgrades | \$ 265,000 | 21.9 | | | | | | |
| CDBG ELIGIBLE TOTAL | | | | \$ 1,568,000 | | | | | | | |
| CHAPTER 90 / ALTERNATIVE FUNDING | | | | | | | | | | | |
| 13 | DPW | Roads/ Paving | Street Paving - Cold Plane and Pave 21 Streets | \$ 2,627,240 | 49.6 | | \$ 2,627,240 | | | | |
| 20 | DPW | Roads/ Paving | Repair / Improve Wales St. Bridge (Wellesley MOU) | \$ 400,000 | 49.1 | | \$ 400,000 | | | | |
| 37 | DPW | Roads/ Paving | Sidewalk Improvements | \$ 150,000 | 48.2 | | \$ 150,000 | | | | |
| 41 | DPW | Roads/ Paving | Street Paving - Cold Plane and Pave 20 Streets | \$ 3,032,150 | 47.6 | | | \$ 3,032,150 | | | |
| 57 | DPW | Roads/ Paving | Sidewalk Improvements | \$ 150,000 | 45.8 | | | \$ 150,000 | | | |
| 59 | DPW | Roads/ Paving | Traffic Light Improvements at Washington Street Intersection (Waltham/Watertown Streets) | \$ 75,000 | 45.7 | | | \$ 75,000 | | | |
| 63 | DPW | Roads/ Paving | Street Paving - Cold Plane and Pave 21 Streets | \$ 2,796,372 | 45.6 | | | | \$ 2,796,372 | | |
| 70 | DPW | Roads/ Paving | Streetlights - Convert to Energy Efficient Fixtures (LED) | \$ 100,000 | 44.4 | | \$ 50,000 | | \$ 50,000 | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------|----------------|---|--------------------|-------------|--------------------|-----------|-----------|------------|--------------|--------------|
| 85 | DPW | Roads/ Paving | Traffic Light Improvements at Beacon Street and Langley Road Intersection | \$ 75,000 | 42.0 | | | | \$ 75,000 | | |
| 86 | DPW | Roads/ Paving | Sidewalk Improvements | \$ 150,000 | 41.4 | | | | \$ 150,000 | | |
| 90 | DPW | Roads/ Paving | Walnut Street (Homer Street to Route 9) - Final Design | \$ 250,000 | 40.9 | | | | \$ 250,000 | | |
| 105 | DPW | Roads/ Paving | Street Paving - Cold Plane and Pave 18 Streets | \$ 2,904,480 | 39.6 | | | | | \$ 2,904,480 | |
| 108 | DPW | Roads/ Paving | Traffic Light Improvements at Washington Street Intersection (Cherry/Highland Streets) | \$ 75,000 | 39.1 | | | | | \$ 75,000 | |
| 115 | DPW | Roads/ Paving | Repave Pearl Street Parking Lot | \$ 125,000 | 38.0 | | | | | \$ 125,000 | |
| 117 | DPW | Roads/ Paving | Sidewalk Improvements | \$ 150,000 | 37.8 | | | | | \$ 150,000 | |
| 122 | DPW | Roads/ Paving | Street Paving - Cold Plane and Pave 26 Streets | \$ 2,984,197 | 37.7 | | | | | | \$ 2,984,197 |
| 127 | DPW | Roads/ Paving | Parking Improvements | \$ 250,000 | 37.4 | | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| 137 | DPW | Roads/ Paving | Traffic Light Improvements at Washington Street and Perkins Intersection | \$ 75,000 | 37.1 | | | | | | \$ 75,000 |
| 147 | DPW | Roads/ Paving | Sidewalk Improvements | \$ 150,000 | 36.8 | | | | | | \$ 150,000 |
| 225 | DPW | Roads/ Paving | Commonwealth Avenue (Route 128 to Washington Street) - Preliminary and Final Design | \$ 500,000 | 33.6 | | | | | | |
| 226 | DPW | Roads/ Paving | Washington Street (Commonwealth Avenue to Centre Street) - Preliminary and Final Design | \$ 500,000 | 33.6 | | | | | | |

CHAPTER 90/ALTERNATIVE FUNDING TOTAL \$ 17,519,439

COMMUNITY PRESERVATION ACT (CPA) ELIGIBLE

| | | | | | | | | | | | |
|-----|-------------------|------------------------|---|--------------|------|------------|--|------------|------------|------------|--|
| 84 | Public Buildings | Building | City Hall - Exterior Windows & Doors | \$ 1,000,000 | 42.4 | | | \$ 517,500 | \$ 535,613 | | |
| 102 | Parks/Rec | Building | Newton Corner Parks & Rec Headquarters - Exterior Windows & Doors | \$ 217,000 | 40.0 | | | | | \$ 240,592 | |
| 106 | Jackson Homestead | Building | Jackson Homestead - Archives Project | \$ 463,421 | 39.2 | \$ 463,421 | | | | | |
| 107 | DPW | Information Technology | Engineering Map Scanning Project Phase I | \$ 100,000 | 39.1 | | | | | | |
| 109 | DPW | Building | Crafts St DPW Operations (Stable) - Restore Building Envelope, Windows & Roof | \$ 943,000 | 38.9 | | | | | | |
| 121 | Public Buildings | Building | Auburndale Library -Building Envelope and Roof | \$ 128,000 | 37.7 | | | | | | |
| 128 | Public Buildings | Building | Waban Library-Roofs | \$ 252,000 | 37.4 | | | | | | |
| 149 | Police | Building | Police Annex - Exterior Windows & Doors & Building Envelope | \$ 200,000 | 36.6 | | | | | | |
| 164 | Public Buildings | Building | City Hall - Rehabilitate Board of Alderman Chamber | \$ 250,000 | 35.8 | | | | | | |
| 166 | Public Buildings | Building | City Hall - Masonry Repairs/Restoration, Memorial Steps | \$ 135,000 | 35.7 | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|---------------------------|-------------------|------------------------|--|----------------------|-------------|--------------------|---------|--------|--------|--------|--------|
| 176 | DPW | Building | Crafts St DPW Operations (Stable) - Interior Renovation | \$ 500,000 | 35.2 | | | | | | |
| 179 | Parks/Rec | Building | Crystal Lake Bathhouse - Renovate/Replace | \$ 5,000,000 | 35.2 | | | | | | |
| 184 | Parks/Rec | Building | Burr Park Field House - Building Envelope and Window Restoration | \$ 313,500 | 35.1 | | | | | | |
| 203 | Parks/Rec | Building | Jeanette Curtis West Rec Ctr (The Hut) Renovation | \$ 1,500,000 | 34.5 | | | | | | |
| 206 | Police | Building | Police Annex - Roof Restoration/ Replacement | \$ 250,500 | 34.4 | | | | | | |
| 209 | Health | Building | Health Department Bldg - (ReUse Consideration) | \$ 1,500,000 | 34.2 | | | | | | |
| 217 | Public Buildings | Building | City Hall - Increase City Clerk Archive Storage | \$ 100,000 | 33.8 | | | | | | |
| 218 | Public Buildings | Building | Auburndale Library -Exterior Windows & Doors | \$ 127,000 | 33.8 | | | | | | |
| 219 | Public Buildings | Building | Waban Library-Exterior Windows & Doors | \$ 118,500 | 33.6 | | | | | | |
| 242 | Senior Center | Building | Senior Center - Exterior Windows & Doors | \$ 125,000 | 32.7 | | | | | | |
| 244 | Senior Center | Building | Senior Center - Building Envelope | \$ 150,000 | 32.4 | | | | | | |
| 260 | Public Buildings | Building | City Hall - War Memorial Auditorium Improvements | \$ 150,000 | 31.1 | | | | | | |
| 272 | DPW | Information Technology | Engineering Map Scanning Project Phase II | \$ 900,000 | 30.1 | | | | | | |
| 279 | Senior Center | Building | Senior Center - Roof Restoration/ Replacement | \$ 244,000 | 29.6 | | | | | | |
| 286 | Public Buildings | Building | Nonantum Library-Roofs and Building Envelope | \$ 200,000 | 28.3 | | | | | | |
| 287 | Parks/Rec | Building | Newton Corner Parks & Rec Headquarters - Roof Restoration/ Replacement | \$ 75,500 | 27.5 | | | | | | |
| 288 | Jackson Homestead | Building | Jackson Homestead - Object Collection Storage | \$ 100,000 | 27.5 | | | | | | |
| 301 | Public Buildings | Building | Waban Library-Building Envelope and Entrance | \$ 200,000 | 25.8 | | | | | | |
| 309 | Jackson Homestead | Building | Jackson Homestead - Exterior Windows & Doors | \$ 192,000 | 24.8 | | | | | | |
| 315 | Parks/Rec | Parks / Open Space | City Hall and War Memorial Historic Landscape Preservation Project | \$ 1,500,000 | 23.4 | | | | | | |
| 318 | Jackson Homestead | Parks / Open Space | Restoration of Historic East Burying Grounds | \$ 148,135 | 22.5 | | | | | | |
| 321 | Jackson Homestead | Parks / Open Space | Repair/Replace Fencing at Historic Burying Grounds | \$ 406,600 | 20.0 | | | | | | |
| 322 | Parks/Rec | Parks / Open Space | Farlow & Chaffin Parks Historic Landscape Preservation Plan | \$ 640,000 | 19.8 | | | | | | |
| 323 | Jackson Homestead | Parks / Open Space | Restoration of Historic West Burying Grounds | \$ 146,000 | 19.2 | | | | | | |
| CPA ELIGIBLE TOTAL | | | | \$ 18,275,156 | | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|-----------------------------------|------------------|--------------------------|--|---------------------|-------------|--------------------|--------------|--------------|--------------|------------|------------|
| ENERGY STABILIZATION FUNDS | | | | | | | | | | | |
| 17 | Public Buildings | Building | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | \$ 2,000,000 | 49.1 | \$ 1,000,000 | \$ 1,000,000 | | | | |
| 43 | Public Buildings | Building | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | \$ 1,000,000 | 47.3 | | | \$ 1,035,000 | | | |
| 64 | Public Buildings | Building | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | \$ 1,000,000 | 45.5 | | | | \$ 1,071,225 | | |
| 95 | Public Buildings | Building | Energy Efficiency / Water Conservation Upgrades to City and School Buildings | \$ 500,000 | 40.4 | | | | | \$ 554,359 | |
| ENERGY STABILIZATION TOTAL | | | | \$ 4,500,000 | | | | | | | |
| ENTERPRISE FUNDS | | | | | | | | | | | |
| 4 | DPW/ Sewer | Sewer | Sewer Inflow /Infiltration Project - West Newton Area | \$ 5,643,625 | 52.0 | \$ 902,000 | \$ 4,741,625 | | | | |
| 5 | DPW/ Water | Water | Replace Water Pipes to Improve Fire Flows | \$ 3,851,000 | 51.1 | | \$ 3,851,000 | | | | |
| 16 | DPW/ Water | Water | Clean and Line Water Pipes to Improve Water Quality | \$ 164,000 | 49.4 | | \$ 164,000 | | | | |
| 21 | DPW/ Sewer | Sewer | Islington Road Sewer Pump Station - Replace Pumps | \$ 100,000 | 49.0 | | \$ 100,000 | | | | |
| 28 | DPW/ Water | Large Vehicle/ Equipment | Replace 2002 Construction Truck | \$ 130,000 | 48.6 | | \$ 130,000 | | | | |
| 29 | DPW/ Sewer | Sewer | Elliot Street Sewer Pump Station - Repair Pumps | \$ 100,000 | 48.6 | | \$ 100,000 | | | | |
| 30 | DPW/ Sewer | Large Vehicle/ Equipment | Replace 2003 Backhoe | \$ 120,000 | 48.6 | | \$ 120,000 | | | | |
| 31 | DPW/ Sewer | Large Vehicle/ Equipment | Replace 2004 Sewer Clam Truck | \$ 200,000 | 48.6 | | \$ 200,000 | | | | |
| 34 | DPW/ Sewer | Sewer | Sewer Inflow /Infiltration Project - Lower Falls Area | \$ 3,861,585 | 48.4 | | \$ 523,710 | \$ 3,454,701 | | | |
| 35 | DPW/ Water | Water | Replace Water Pipes to Improve Fire Flows | \$ 4,209,000 | 48.3 | | | \$ 4,356,315 | | | |
| 44 | DPW/ Sewer | Sewer | Sewer Inflow /Infiltration Project - Chestnut Hill Area | \$ 6,510,150 | 47.3 | | | \$ 1,301,538 | \$ 5,626,743 | | |
| 48 | DPW/ Water | Building | DPW-Water/Utilities Department -Mechanical Upgrades | \$ 75,000 | 47.0 | | | \$ 77,625 | | | |
| 51 | DPW/ Sewer | Sewer | Quinobequin Road Sewer Pump Station - Replace Pump | \$ 380,000 | 46.8 | | \$ 120,000 | | | \$ 144,133 | \$ 149,178 |
| 52 | DPW/ Water | Large Vehicle/ Equipment | Replace 2002 Construction Truck | \$ 130,000 | 46.5 | | | \$ 134,550 | | | |
| 53 | DPW/ Storm | Storm | Cheesecake Brook Drainage Basin: Repair and Rebuild Retaining Wall | \$ 300,000 | 46.5 | | | \$ 103,500 | | | |
| 58 | DPW/ Sewer | Large Vehicle/ Equipment | Replace 1995 Sewer Jet Truck | \$ 240,000 | 45.8 | | | \$ 248,400 | | | |
| 61 | DPW/ Storm | Storm | Repair Hammond St Drain | \$ 200,000 | 45.6 | | | \$ 207,000 | | | |
| 62 | DPW/ Water | Water | Water Pump - Rebuild and Repair Dedham Street Water Pump | \$ 100,000 | 45.6 | | | \$ 103,500 | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|-------------------------------|------------|--------------------------|---|----------------------|-------------|--------------------|---------|--------|--------------|--------------|--------------|
| 68 | DPW/ Water | Water | Clean and Line Water Pipes to Improve Water Quality | \$ 4,034,180 | 45.1 | | | | \$ 4,321,514 | | |
| 71 | DPW/ Sewer | Sewer | Sewer Inflow /Infiltration Project - Newton Centre | \$ 3,958,875 | 44.3 | | | | \$ 609,795 | \$ 3,758,138 | |
| 78 | DPW/ Sewer | Sewer | Prairie Avenue Sewer Pump Station | \$ 100,000 | 43.7 | | | | \$ 107,123 | | |
| 88 | DPW/ Sewer | Large Vehicle/ Equipment | Replace 2001 10-Wheeler Large Capacity Construction Truck | \$ 160,000 | 41.0 | | | | \$ 171,396 | | |
| 89 | DPW/ Water | Large Vehicle/ Equipment | Replace 2004 Construction Truck | \$ 130,000 | 41.0 | | | | \$ 139,259 | | |
| 91 | DPW/ Storm | Storm | Rehabilitation of Forest Grove Storm System Pump Station | \$ 150,000 | 40.8 | | | | \$ 160,684 | | |
| 99 | DPW/ Water | Water | Clean and Line Water Pipes to Improve Water Quality | \$ 4,018,200 | 40.2 | | | | | \$ 4,455,050 | |
| 100 | DPW/ Sewer | Sewer | Sewer Inflow /Infiltration Project - Nonantum Area | \$ 4,505,355 | 40.2 | | | | | \$ 631,138 | \$ 4,516,771 |
| 114 | DPW/ Storm | Storm | Assessment of Storm System | \$ 350,000 | 38.1 | | | | | \$ 388,051 | |
| 116 | DPW/ Storm | Storm | Laundry Brook Culvert Repairs | \$ 643,000 | 38.0 | | | | | \$ 712,906 | |
| 119 | DPW/ Water | Large Vehicle/ Equipment | Replace 2004 Construction Truck | \$ 130,000 | 37.8 | | | | | \$ 144,133 | |
| 120 | DPW/ Water | Large Vehicle/ Equipment | Replace 2008 Backhoe | \$ 120,000 | 37.8 | | | | | \$ 133,046 | |
| 124 | DPW/ Sewer | Sewer | Hamlet Street Sewer Pump Station - Replace Pumps | \$ 100,000 | 37.6 | | | | | | \$ 114,752 |
| 131 | DPW/ Water | Water | Clean and Line Water Pipes to Improve Water Quality | \$ 4,074,600 | 37.3 | | | | | | \$ 4,675,697 |
| 134 | DPW/ Water | Water | Water Tanks - Remove Stanton Ave. & Winchester St. Water Tanks | \$ 600,000 | 37.2 | | | | | | \$ 688,514 |
| 136 | DPW/ Water | Large Vehicle/ Equipment | Replace Construction Truck | \$ 130,000 | 37.1 | | | | | | \$ 149,178 |
| 146 | DPW/ Storm | Storm | Pellegrini Park Drain Replacement | \$ 130,000 | 36.9 | | | | | | \$ 149,178 |
| 148 | DPW/ Sewer | Large Vehicle/ Equipment | Replace 2005 Large Construction Vehicles | \$ 300,000 | 36.7 | | | | | | \$ 344,257 |
| 165 | DPW/ Water | Water | Needham Street - Clean and Line Water Main - Oak to Charlemont (FY15) | \$ 136,800 | 35.7 | | | | | | |
| 167 | DPW/ Water | Water | Wolcott St - Replace Water Main at Wolcott St - Webster to Ionia (FY14) | \$ 230,000 | 35.6 | | | | | | |
| 187 | DPW/ Water | Water | Webster St. - Clean and Line Water Main on Webster St | \$ 759,000 | 35.1 | | | | | | |
| 265 | DPW/ Water | Water | Hillside Ave - Otis to Austin | \$ 209,600 | 30.2 | | | | | | |
| 303 | DPW/ Water | Building | DPW-Water/Utilities Department - Accessibility Upgrades | \$ 240,000 | 25.7 | | | | | | |
| 311 | DPW/ Storm | Storm | Repair Bulloughs Pond Sluice Gate | \$ 60,000 | 24.1 | | | | | | |
| ENTERPRISE FUNDS TOTAL | | | | \$ 51,583,970 | | | | | | | |

| Priority | Dept | Asset Category | Project Title | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|------------------------------------|------------------|--------------------------|--|-----------------------|-------------|---|------------|------------|------------|------------|------------|
| OTHER FUNDING | | | | | | | | | | | |
| 6 | Schools | Building | Remove Underground Tanks at Various Schools | \$ 250,000 | 50.6 | | \$ 250,000 | | | | |
| 8 | Public Buildings | Building | Remove Underground Storage Tanks at City Buildings | \$ 125,000 | 50.4 | | \$ 125,000 | | | | |
| 12 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Dept Rescue Truck and Rescue Boat | \$ 600,000 | 49.8 | | | | | | |
| 19 | Schools | Building | Horace Mann - Add Classroom | \$ 75,000 | 49.1 | | \$ 75,000 | | | | |
| 25 | IT | Information Technology | Install Citywide IT Data Network | \$ 1,750,000 | 48.9 | \$ 500,000 | \$ 250,000 | \$ 258,750 | \$ 267,806 | \$ 277,179 | \$ 286,881 |
| 49 | Schools | Building | Remove Underground Tanks at Various Schools | \$ 260,000 | 47.0 | | | \$ 269,100 | | | |
| 83 | Schools | Building | Remove Underground Tanks at Various Schools | \$ 280,000 | 43.4 | | | | \$ 299,943 | | |
| 87 | Parks/Rec | Large Vehicle/ Equipment | Tree Crew Bucket Truck | \$ 165,000 | 41.0 | | | | \$ 176,752 | | |
| 93 | Schools | Building | Brown School - Mechanical Upgrades | \$ 2,000,000 | 40.5 | | | | | \$ 55,436 | |
| 94 | DPW | Roads/ Paving | Streetlights - Gaslight Conversion for Energy Efficiency | \$ 234,000 | 40.5 | | | | | | |
| 104 | Schools | Building | Remove/Replace Underground Tanks at Various Schools | \$ 260,000 | 39.8 | | | | | \$ 288,267 | |
| 110 | Fire Dept | Large Vehicle/ Equipment | Replace Fire Department SCBA Gear | \$ 350,000 | 38.3 | | | | | | |
| 133 | Schools | Building | Remove/Replace Underground Tanks at Oak Hill Middle School | \$ 230,000 | 37.2 | | | | | | \$ 263,930 |
| 212 | Parks/Rec | Large Vehicle/ Equipment | Tree Crew Log Loader | \$ 240,000 | 34.1 | | | | | | |
| 305 | Public Buildings | Building | Kennard Estate-Accessibility/Site | \$ 127,350 | 25.5 | | | | | | |
| OTHER FUNDING TOTAL | | | | \$ 6,946,350 | | | | | | | |
| 5-Year Total Capital Needs: | | | | \$ 336,206,659 | | Total Projected to be Funded Over 5 Years: \$221,506,103 | | | | | |

**CITY OF NEWTON
20-YEAR LONG RANGE PROJECTION*
CAPITAL IMPROVEMENT PLAN**

***See City website for break-out by facility component.**

City of Newton 20 Year Long Range Capital Projection

Cost estimates include 3.5% escalation.

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|
| BUILDINGS | | | | | |
| SCHOOLS TOTAL | \$113,297,971 | \$137,096,350 | \$130,487,500 | \$134,421,000 | \$515,302,821 |
| MUNICIPAL BLDGS TOTAL | \$32,560,233 | \$41,585,070 | \$26,081,440 | \$35,875,010 | \$136,101,753 |
| BUILDINGS TOTAL | \$145,858,204 | \$178,681,420 | \$156,568,940 | \$170,296,010 | \$651,404,574 |
| ROADS / PAVING | | | | | |
| ROADS / BRIDGES TOTAL | \$15,294,440 | \$17,619,750 | \$20,914,500 | \$24,782,250 | \$78,610,940 |
| PRKG LOTS / METERS TOTAL | \$375,000 | \$430,500 | \$474,500 | \$562,250 | \$1,842,250 |
| SIDEWALKS TOTAL | \$1,181,678 | \$1,476,000 | \$1,533,000 | \$1,816,500 | \$6,007,178 |
| ST/TRAFFIC LIGHTS TOTAL | \$100,000 | \$123,000 | \$146,000 | \$173,000 | \$542,000 |
| ROADS TOTAL | \$16,951,118 | \$19,649,250 | \$23,068,000 | \$27,334,000 | \$87,002,368 |
| WATER | | | | | |
| WATER PIPES TOTAL | \$21,823,577 | \$24,970,230 | \$29,639,460 | \$35,120,730 | \$111,553,997 |
| PUMP STATIONS TOTAL | \$103,500 | \$123,000 | \$146,000 | \$173,000 | \$545,500 |
| WATER TANKS TOTAL | \$688,514 | | \$876,000 | | \$1,564,514 |
| RESEVOIR TOTAL | | | \$146,000 | \$259,500 | \$405,500 |
| WATER METERS | | | | \$25,950,000 | \$25,950,000 |
| WATER TOTAL | \$22,615,591 | \$25,093,230 | \$30,807,460 | \$61,503,230 | \$140,019,511 |
| SEWER | | | | | |
| SEWER PIPES TOTAL | \$25,164,159 | \$23,621,444 | \$15,622,000 | \$25,085,000 | \$89,492,603 |
| PUMP STATIONS TOTAL | \$835,186 | \$799,500 | \$657,000 | \$951,500 | \$3,243,186 |
| SEWER TOTAL | \$25,999,345 | \$24,420,944 | \$16,279,000 | \$26,036,500 | \$92,735,789 |
| STORM WATER | | | | | |
| STORM PIPES TOTAL | \$744,229 | \$442,800 | \$569,400 | \$743,900 | \$2,500,329 |
| PUMP STATIONS TOTAL | \$160,684 | | \$219,000 | | \$379,684 |
| PONDS TOTAL | | \$215,250 | \$87,600 | \$302,750 | \$605,600 |
| BRK WALLS/CULVERTS TOTAL | \$816,406 | \$861,000 | \$292,000 | | \$1,969,406 |
| STORM WATER TOTAL | \$1,721,319 | \$1,519,050 | \$1,168,000 | \$1,046,650 | \$5,455,019 |
| PARKS / OPEN SPACE | | | | | |
| PARKS/PLAYGDS TOTAL | \$2,084,988 | \$4,803,150 | \$1,554,900 | | \$8,443,038 |
| SCHOOL GROUNDS TOTAL | | \$2,884,350 | \$730,000 | | \$3,614,350 |
| HISTORIC SITES TOTAL | | \$861,904 | \$2,337,745 | \$3,217,800 | \$6,417,449 |
| PARKS TOTAL | \$2,084,988 | \$8,549,404 | \$4,622,645 | \$3,217,800 | \$18,474,837 |
| LARGE VEHICLES / EQUIPMENT | | | | | |
| FIRE DEPARTMENT TOTAL | \$1,331,249 | \$3,849,900 | \$3,504,000 | \$6,574,000 | \$15,259,149 |
| PUBLIC WORKS TOTAL | \$3,426,922 | \$3,061,470 | \$3,616,420 | \$4,305,970 | \$14,410,782 |
| PARKS / REC TOTAL | \$176,752 | \$225,090 | \$591,300 | \$164,350 | \$1,157,492 |
| VEHICLES/EQUIPMT TOTAL | \$4,934,923 | \$7,136,460 | \$7,711,720 | \$11,044,320 | \$30,827,423 |
| TECHNOLOGY | | | | | |
| TECHNOLOGY TOTAL | \$1,340,616 | \$1,488,300 | \$1,460,000 | \$2,093,300 | \$6,382,216 |
| LONG RANGE PLAN TOTAL | \$221,506,103 | \$266,538,058 | \$241,685,765 | \$302,571,810 | \$1,032,301,736 |

Tab 4. Consolidated 20-Year Projection by Asset Category

City of Newton 20 Year Long Range Capital Projection - Break-out by Facility

Cost estimates include 3.5% escalation.

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| BUILDINGS | | | | | |
| SCHOOLS | | | | | |
| Carr Elementary | \$11,700,000 | \$123,000 | | \$259,500 | \$12,082,500 |
| Angier Elementary | \$35,000,000 | | \$146,000 | \$259,500 | \$35,405,500 |
| Cabot Elementary | \$38,250,000 | | | | \$38,250,000 |
| Zervas Elementary | \$18,330,000 | \$24,250,000 | | | \$42,580,000 |
| Ward Elementary | \$200,000 | \$38,130,000 | | | \$38,330,000 |
| Lincoln-Eliot Elementary | \$3,872,231 | \$645,750 | \$44,895,000 | | \$49,412,981 |
| Bigelow Middle School | \$277,179 | \$3,997,500 | \$3,796,000 | | \$8,070,679 |
| Williams Elementary | | \$19,249,500 | | \$692,000 | \$19,941,500 |
| Brown Middle School | \$277,179 | \$3,044,250 | \$4,380,000 | \$1,557,000 | \$9,258,429 |
| Peirce Elementary | \$248,400 | \$20,110,500 | | | \$20,358,900 |
| Oak Hill Middle School | | \$2,398,500 | \$1,168,000 | \$346,000 | \$3,912,500 |
| Countryside Elementary | | | \$22,630,000 | | \$22,630,000 |
| Day Middle School | \$495,174 | \$4,335,750 | | \$865,000 | \$5,695,924 |
| Franklin Elementary | | \$861,000 | \$23,104,500 | | \$23,965,500 |
| Newton South High School | \$602,450 | \$5,658,000 | \$28,908,000 | \$1,384,000 | \$36,552,450 |
| Mason-Rice Elementary | | \$1,623,600 | | \$25,950,000 | \$27,573,600 |
| Education Center | \$1,749,781 | \$4,274,250 | | \$3,633,000 | \$9,657,031 |
| Burr Elementary | \$114,752 | \$1,328,400 | \$146,000 | \$25,950,000 | \$27,539,152 |
| Underwood Elementary | | \$1,814,250 | \$146,000 | \$26,469,000 | \$28,429,250 |
| Horace Mann Elementary | \$709,584 | \$1,162,350 | | \$27,680,000 | \$29,551,934 |
| Bowen Elementary | \$100,000 | \$1,537,500 | | \$346,000 | \$1,983,500 |
| Memorial Spaulding Elementary | | \$891,750 | \$438,000 | \$1,297,500 | \$2,627,250 |
| Newton North High School | | \$1,045,500 | | \$16,867,500 | \$17,913,000 |
| School Fuel Tank Removal | \$1,371,240 | \$615,000 | \$730,000 | \$865,000 | \$3,581,240 |
| SCHOOLS TOTAL | \$113,297,971 | \$137,096,350 | \$130,487,500 | \$134,421,000 | \$515,302,821 |
| MUNICIPAL BUILDINGS | | | | | |
| ADMINISTRATION / OTHER | | | | | |
| City Hall | \$1,696,912 | \$5,143,860 | \$535,820 | \$173,000 | \$7,549,592 |
| Main Library | \$1,171,483 | \$922,500 | \$2,263,000 | \$259,500 | \$4,616,483 |
| Public Buildings Department | | | \$438,000 | | \$438,000 |
| Senior Center | \$188,000 | \$916,350 | \$356,240 | | \$1,460,590 |
| Jackson Homestead | | | \$410,260 | \$173,000 | \$583,260 |
| Auburndale Library | | \$793,350 | | | \$793,350 |
| Nonantum Library | | \$874,530 | \$109,500 | \$278,530 | \$1,262,560 |
| Waban library | | \$846,240 | | | \$846,240 |
| Kennard | | \$574,410 | | | \$574,410 |
| Winchester Street Garage | | | \$292,000 | | |
| Health Department (Re-Use) | | | | | |
| ADMIN / OTHER TOTAL | \$3,056,394 | \$10,071,240 | \$4,404,820 | \$884,030 | \$18,416,484 |
| PUBLIC SAFETY | | | | | |
| Police Headquarters | \$396,405 | \$393,600 | \$2,328,700 | \$27,939,500 | \$31,058,205 |
| Police Garage | | | | \$1,676,370 | \$1,676,370 |
| Police Annex | \$160,653 | \$209,100 | \$744,600 | | \$1,114,353 |
| Fire Station #10 | \$3,472,000 | | | | \$3,472,000 |
| Fire Station #3/HQ/Wires | \$17,500,000 | | | | \$17,500,000 |
| Fire Station #1 | \$635,612 | \$8,892,900 | | | \$9,528,512 |

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Fire Station #2 | \$277,179 | \$376,380 | \$11,242,000 | | \$11,895,559 |
| Fire Station #4 | | | \$467,200 | | \$467,200 |
| Fire Station #7 | | | | \$553,600 | \$553,600 |
| Waban Hill Radio Tower/Building | | | | | |
| PUBLIC SAFETY TOTAL | \$22,441,850 | \$9,871,980 | \$14,782,500 | \$30,169,470 | \$77,265,800 |
| PUBLIC WORKS | | | | | |
| Crafts Street Ops Center/Garage | \$1,053,487 | \$460,020 | | | \$1,513,507 |
| Crafts Street Salt Storage Shed | \$459,009 | | | | \$459,009 |
| DPW Water Utilities | \$77,625 | | \$350,400 | \$844,240 | \$1,272,265 |
| Crafts Street Stable | | \$1,528,890 | | | \$1,528,890 |
| Elliot Street Ops Center | | \$648,210 | \$338,720 | \$138,400 | \$1,125,330 |
| Elliot Street Garage | | \$236,160 | \$283,240 | | \$519,400 |
| Elliot Street Sand Salt Shed | | | | \$245,660 | \$245,660 |
| Crafts Street Quonset Hut | | | | \$605,500 | \$605,500 |
| Rumford Ave Facility | | | | | |
| PUBLIC WORKS TOTAL | \$1,590,121 | \$2,873,280 | \$972,360 | \$1,833,800 | \$7,269,561 |
| PARKS and RECREATION | | | | | |
| Parks HQs/Newton Corner | \$240,592 | \$233,700 | | | \$474,292 |
| Parks and Rec/Crecent Street (Re-Use) | | | | | |
| Parks and Recreation Garage (Re-Use) | | | | | |
| Crystal Lake Bathhouse | | \$6,291,450 | | | \$6,291,450 |
| Gath Pool Building | \$573,762 | \$8,744,070 | | | \$9,317,832 |
| Albemarle Fieldhouse | | | | | |
| Emerson Community Center | | \$605,160 | | | \$605,160 |
| Lower Falls CC | \$275,000 | \$201,720 | | | \$476,720 |
| Pelligrini Park Fieldhouse | \$160,684 | \$724,470 | \$256,960 | | \$1,142,114 |
| JCW Recreation Center - The Hut | | | \$2,190,000 | | \$2,190,000 |
| Burr Park Field House | | \$123,000 | \$692,040 | | \$815,040 |
| Nahanton Park Fieldhouse | | | | | |
| Auburndale Cove Fieldhouse | | | \$300,760 | | \$300,760 |
| Cabot Park Fieldhouse | | | \$292,000 | | |
| Bulloughs Pond Shelter | | | | | |
| Highlands Fieldhouse | | | | \$179,920 | \$179,920 |
| Upper Falls Fieldhouse | | | | \$212,790 | \$212,790 |
| Newton Center Metal Storage | | | | | |
| Forte Park | | | | | |
| PARKS and REC TOTAL | \$1,250,037 | \$16,923,570 | \$3,731,760 | \$392,710 | \$22,298,077 |
| Remove/Replace Fuel Tanks | \$561,247 | \$615,000 | \$730,000 | \$865,000 | \$2,771,247 |
| Energy Improvements | \$3,660,584 | \$1,230,000 | \$1,460,000 | \$1,730,000 | \$8,080,584 |
| MUNICIPAL BLDGS TOTAL | \$32,560,233 | \$41,585,070 | \$26,081,440 | \$35,875,010 | \$136,101,753 |
| BUILDINGS TOTAL | \$145,858,204 | \$178,681,420 | \$156,568,940 | \$170,296,010 | \$651,404,574 |
| ROADS / PAVING | | | | | |
| ROADS and BRIDGES | | | | | |
| Cold Plane/Pave Streets | | | | | |
| FY2014 Road Work | \$2,627,240 | | | | |
| FY2015 Road Work | \$3,032,150 | | | | |
| FY2016 Road Work | \$2,796,372 | | | | |
| FY2017 Road Work | \$2,904,480 | | | | |
| FY2018 Road Work | \$2,984,197 | | | | |
| Cold Plane/Pave Streets | \$14,344,439 | \$17,220,000 | \$20,440,000 | \$24,220,000 | \$76,224,439 |

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|---|---------------------|---------------------|---------------------|---------------------|----------------------|
| Traffic Signals (Chap 90) | \$300,000 | \$399,750 | \$474,500 | \$562,250 | \$1,736,500 |
| Wales Street Bridge | \$400,000 | | | | \$400,000 |
| Walnut Street Design (Chap 90) | \$250,000 | | | | \$250,000 |
| ROADS / BRIDGES TOTAL | \$15,294,440 | \$17,619,750 | \$20,914,500 | \$24,782,250 | \$78,610,940 |
| PARKING LOTS and METERS | | | | | |
| Metered Lots | | | | | |
| Pearl Street | \$125,000 | | | \$216,250 | \$341,250 |
| Pleasant Street | | | \$182,500 | | \$182,500 |
| Municipal Lots | | | | | |
| Police Station HQ | | \$153,750 | | | \$153,750 |
| Pelham Street | | \$153,750 | | | \$153,750 |
| Parking Meters | \$250,000 | \$123,000 | \$292,000 | \$346,000 | \$1,011,000 |
| PRKG LOTS / METERS TOTAL | \$375,000 | \$430,500 | \$474,500 | \$562,250 | \$1,842,250 |
| SIDEWALKS/BRIDGES | | | | | |
| Sidewalks | \$750,000 | \$922,500 | \$1,095,000 | \$1,297,500 | \$4,065,000 |
| ADA Curb Cuts - CDBG | \$270,994 | \$369,000 | \$438,000 | \$519,000 | \$1,596,994 |
| Footbridges | \$160,684 | \$184,500 | | | \$345,184 |
| SIDEWALKS TOTAL | \$1,181,678 | \$1,476,000 | \$1,533,000 | \$1,816,500 | \$6,007,178 |
| STREET/TRAFFIC LIGHTS | | | | | |
| Street Lights - LEDs | \$100,000 | | | | |
| ST/TRAFFIC LIGHTS TOTAL | \$100,000 | \$123,000 | \$146,000 | \$173,000 | \$542,000 |
| ROADS TOTAL | \$16,951,118 | \$19,649,250 | \$23,068,000 | \$27,334,000 | \$87,002,368 |
| WATER | | | | | |
| WATER PIPES | | | | | |
| Fire Flow Pipe Replacemt / Upgrades | | | | | |
| FY14 Fire Flow Upgrades | \$3,851,000 | | | | |
| FY15 Fire Flow Upgrades | \$4,356,315 | | | | |
| Water Quality Upgrades - Cleaning & Lining | | | | | |
| FY14 Water Quality Upgrades | \$164,000 | | | | |
| FY16 Water Quality Upgrades | \$4,321,514 | | | | |
| FY17 Water Quality Upgrades | \$4,455,050 | | | | |
| FY18 Water Quality Upgrades | \$4,675,697 | | | | |
| WATER PIPES TOTAL | \$21,823,577 | \$24,970,230 | \$29,639,460 | \$35,120,730 | \$111,553,997 |
| PUMP STATIONS | | | | | |
| Manet Road | | | \$146,000 | | \$146,000 |
| Station 10 - Dedham Street | \$103,500 | | | \$173,000 | \$276,500 |
| Herrick Road | | \$123,000 | | | \$123,000 |
| PUMP STATIONS TOTAL | \$103,500 | \$123,000 | \$146,000 | \$173,000 | \$545,500 |
| ELEVATED WATER TANKS | | | | | |
| Water Tank 1 - Stanton Ave | \$344,257 | | | | \$344,257 |
| Water Tank 2 - Winchester | \$344,257 | | | | \$344,257 |
| Water Tank 3 - Oak Hill | | | \$876,000 | | \$876,000 |
| WATER TANKS TOTAL | \$688,514 | | \$876,000 | | \$1,564,514 |
| RESERVOIR | | | | | |
| Waban Hill Underground Reservoir | | | | | |

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Roof | | | | \$259,500 | \$150,000 |
| Central Core | | | \$146,000 | | \$246,000 |
| RESEVOIR TOTAL | | | \$146,000 | \$259,500 | \$405,500 |
| WATER METERS | | | | \$25,950,000 | \$25,950,000 |
| WATER TOTAL | \$22,615,591 | \$25,093,230 | \$30,807,460 | \$61,503,230 | \$140,019,511 |
| SEWER | | | | | |
| SEWER PIPES | | | | | |
| Inflow/Infiltration - W. Newton | \$4,741,625 | | | | |
| Inflow/Infiltration - Lower Falls | \$3,978,411 | | | | |
| Inflow/Infiltration - Chestnut Hill | \$6,928,282 | | | | |
| Inflow/Infiltration - Newton Ctr | \$4,367,933 | | | | |
| Inflow/Infiltration - Nonantum | \$5,147,909 | | | | |
| SEWER PIPES TOTAL | \$25,164,159 | \$23,621,444 | \$15,622,000 | \$25,085,000 | \$89,492,603 |
| PUMP STATIONS | | | | | |
| Quinobequin Road PS | \$413,311 | \$307,500 | \$365,000 | \$432,500 | \$1,518,311 |
| Elliot Street PS - grinder | \$100,000 | \$123,000 | | \$173,000 | \$396,000 |
| Edgewater Park PS | | \$123,000 | | | \$123,000 |
| Islington Road PS | \$100,000 | | \$146,000 | | \$246,000 |
| Prairie Avenue PS | \$107,123 | | | \$173,000 | \$280,123 |
| Longfellow Road PS | | \$123,000 | | | \$123,000 |
| Waban Avenue PS | | | \$146,000 | | \$146,000 |
| Oldham Road PS | | | | \$173,000 | \$173,000 |
| Hamlet Street PS | \$114,752 | | | | \$114,752 |
| Grayson Lane PS | | \$123,000 | | | \$123,000 |
| PUMP STATIONS TOTAL | \$835,186 | \$799,500 | \$657,000 | \$951,500 | \$3,243,186 |
| SEWER TOTAL | \$25,999,345 | \$24,420,944 | \$16,279,000 | \$26,036,500 | \$92,735,789 |
| STORM WATER | | | | | |
| STORM PIPES | | | | | |
| Storm System Assessment | \$388,051 | | | | \$388,051 |
| Storm Pipes | \$356,178 | \$442,800 | \$569,400 | \$743,900 | \$2,112,278 |
| STORM PIPES TOTAL | \$744,229 | \$442,800 | \$569,400 | \$743,900 | \$2,500,329 |
| PUMP STATIONS | | | | | |
| Flowed Meadow Pump Station Bldg | \$160,684 | | | | \$160,684 |
| Dresser Pond Pump Station | | | \$219,000 | | \$219,000 |
| PUMP STATIONS TOTAL | \$160,684 | | \$219,000 | | \$379,684 |
| PONDS | | | | | |
| Bulloughs Pond (sluice gate) | | | \$87,600 | | \$87,600 |
| City Hall Ponds | | \$215,250 | | \$302,750 | \$518,000 |
| PONDS TOTAL | | \$215,250 | \$87,600 | \$302,750 | \$605,600 |
| BROOK WALLS/CULVERTS | | | | | |
| Cheescake Brook Walls | \$103,500 | \$861,000 | \$292,000 | | \$1,256,500 |
| Laundry Brook Culverts | \$712,906 | | | | \$712,906 |
| BRK WALLS/CULVERTS TOTAL | \$816,406 | \$861,000 | \$292,000 | | \$1,969,406 |
| STORM WATER TOTAL | \$1,721,319 | \$1,519,050 | \$1,168,000 | \$1,046,650 | \$5,455,019 |
| PARKS / OPEN SPACE | | | | | |
| PARKS/PLAYGROUNDS | | | | | |
| Newton Highlands Playground | \$1,893,413 | \$2,908,950 | | | \$4,802,363 |

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Upper Falls/Braceland Playground | | \$984,000 | \$1,189,900 | | \$2,173,900 |
| Crystal Lake | \$100,000 | | | | \$100,000 |
| Halloran Sports Complex | | \$184,500 | | | \$184,500 |
| Cabot Park | | \$184,500 | | | \$184,500 |
| McGrath Playground | | \$270,600 | | | \$270,600 |
| Weeks Playground | | \$270,600 | | | \$270,600 |
| Newton Center | \$91,575 | | | | \$91,575 |
| Cold Spring Park | | | \$365,000 | | \$365,000 |
| PARKS/PLAYGDS TOTAL | \$2,084,988 | \$4,803,150 | \$1,554,900 | | \$8,443,038 |
| SCHOOL GROUNDS | | | | | |
| Newton North High School | | \$774,900 | \$730,000 | | \$1,504,900 |
| Newton South High School | | \$2,109,450 | | | \$2,109,450 |
| Oak Hill Middle School | | | | | |
| SCHOOL GROUNDS TOTAL | | \$2,884,350 | \$730,000 | | \$3,614,350 |
| CEMETERIES/HISTORIC SITES | | | | | |
| East Burying Grounds | | \$182,206 | | | \$182,206 |
| West Burying Grounds | | \$179,580 | | | \$179,580 |
| Burying Grounds Fencing | | \$500,118 | | | \$500,118 |
| City Hall Historic Landscape | | | \$2,337,745 | \$2,595,000 | \$4,932,745 |
| Farlow and Chaffin Parks | | | | \$622,800 | \$622,800 |
| HISTORIC SITES TOTAL | | \$861,904 | \$2,337,745 | \$3,217,800 | \$6,417,449 |
| PARKS TOTAL | \$2,084,988 | \$8,549,404 | \$4,622,645 | \$3,217,800 | \$18,474,837 |
| LARGE VEHICLES / EQUIPMENT | | | | | |
| FIRE DEPARTMENT | | | | | |
| Replace Ladder 1 | | | | \$1,730,000 | \$1,730,000 |
| Replace Ladder 2 | | \$1,230,000 | | | \$1,230,000 |
| Replace Ladder 3 | | | \$1,460,000 | | \$1,460,000 |
| Replace Engine 1 | \$642,735 | | | \$1,038,000 | \$1,680,735 |
| Replace Engine 2 | | \$738,000 | | | \$738,000 |
| Replace Engine 3 | \$688,514 | | | \$1,038,000 | \$1,726,514 |
| Replace Engine 4 | | | \$876,000 | | \$876,000 |
| Replace Engine 7 | | | \$876,000 | | \$876,000 |
| Replace Engine 10 | | | | \$1,038,000 | \$1,038,000 |
| Heavy Duty Rescue Truck | | \$738,000 | | \$1,038,000 | \$1,776,000 |
| Replace Bucket Truck | | \$153,750 | | | \$153,750 |
| Replace Wires Communication Truck | | \$98,400 | | | \$98,400 |
| Emergency Resp Unit Haz Mat Truck | | \$153,750 | | | \$153,750 |
| Cascade/Lighting Truck | | \$246,000 | | | \$246,000 |
| Replace SCBA | | | \$292,000 | | \$292,000 |
| Replace Firefighter Turnout Gear | | \$492,000 | | \$692,000 | \$1,184,000 |
| FIRE DEPARTMENT TOTAL | \$1,331,249 | \$3,849,900 | \$3,504,000 | \$6,574,000 | \$15,259,149 |
| PUBLIC WORKS | | | | | |
| DPW | | | | | |
| Large Construction Trucks (\$150K ea) | \$643,115 | \$369,000 | \$438,000 | \$519,000 | \$1,969,115 |
| Street Sweepers (\$172K each) | \$172,000 | \$211,560 | \$251,120 | \$297,560 | \$932,240 |
| 2 Ton Dump Trucks (\$150K) | | \$184,500 | | \$259,500 | \$444,000 |
| Excavator (\$270K) | \$289,231 | | \$394,200 | | \$683,431 |
| Packer | \$172,128 | \$211,560 | | \$297,560 | \$681,248 |
| Do All | | \$184,500 | \$219,000 | \$259,500 | \$663,000 |
| Backhoe Loader (\$110K) | \$236,228 | | \$160,600 | | \$396,828 |

| ASSET TYPES | FY14-FY18 CIP | FY19-FY23 CIP | FY24-FY28 CIP | FY29-FY33 CIP | 20 YEAR TOTAL |
|---------------------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|
| Bombadier (\$125K) | | \$153,750 | \$182,500 | \$216,250 | \$552,500 |
| Loader (\$160K) | | \$196,800 | \$233,600 | \$276,800 | \$707,200 |
| DPW Total | \$1,512,702 | \$1,511,670 | \$1,879,020 | \$2,126,170 | \$7,029,562 |
| WATER | | | | | |
| Construction Trucks (\$130K each) | \$697,121 | \$639,600 | \$759,200 | \$899,600 | \$2,995,521 |
| Backhoe | \$133,046 | \$147,600 | \$175,200 | \$207,600 | \$663,446 |
| Water Total | \$830,167 | \$787,200 | \$934,400 | \$1,107,200 | \$3,658,967 |
| SEWER | | | | | |
| Backhoe | \$120,000 | \$147,600 | | \$207,600 | \$475,200 |
| Clam Truck | \$200,000 | \$246,000 | | \$346,000 | \$792,000 |
| Jet Truck | \$248,400 | | \$350,400 | | \$598,800 |
| 10 Wheeler Truck | \$171,396 | | \$233,600 | | \$404,996 |
| Large Construction Trucks (\$150K ea) | \$344,257 | \$369,000 | \$219,000 | \$519,000 | \$1,451,257 |
| Sewer Total | \$1,084,053 | \$762,600 | \$803,000 | \$1,072,600 | \$3,722,253 |
| PUBLIC WORKS TOTAL | \$3,426,922 | \$3,061,470 | \$3,616,420 | \$4,305,970 | \$14,410,782 |
| PARKS and RECREATION | | | | | |
| Tree Crew Bucket Truck | \$176,752 | | \$240,900 | | \$417,652 |
| Tree Crew Log Loader | | | \$350,400 | | \$350,400 |
| Multi-Purpose Chip Truck | | \$116,850 | | \$164,350 | \$281,200 |
| Large Chipper | | \$108,240 | | | \$108,240 |
| PARKS / REC TOTAL | \$176,752 | \$225,090 | \$591,300 | \$164,350 | \$1,157,492 |
| VEHICLES/EQUIPMT TOTAL | \$4,934,923 | \$7,136,460 | \$7,711,720 | \$11,044,320 | \$30,827,423 |
| TECHNOLOGY | | | | | |
| INFORMATION TECHNOLOGY | | | | | |
| Citywide IT Data Network | \$1,340,616 | \$1,230,000 | \$1,460,000 | \$1,730,000 | \$5,760,616 |
| Library Bk Autocheckin/Sort'g System | | \$258,300 | | \$363,300 | \$621,600 |
| TECHNOLOGY TOTAL | \$1,340,616 | \$1,488,300 | \$1,460,000 | \$2,093,300 | \$6,382,216 |
| LONG RANGE PLAN TOTAL | \$221,506,103 | \$266,538,058 | \$241,685,765 | \$302,571,810 | \$1,032,301,736 |

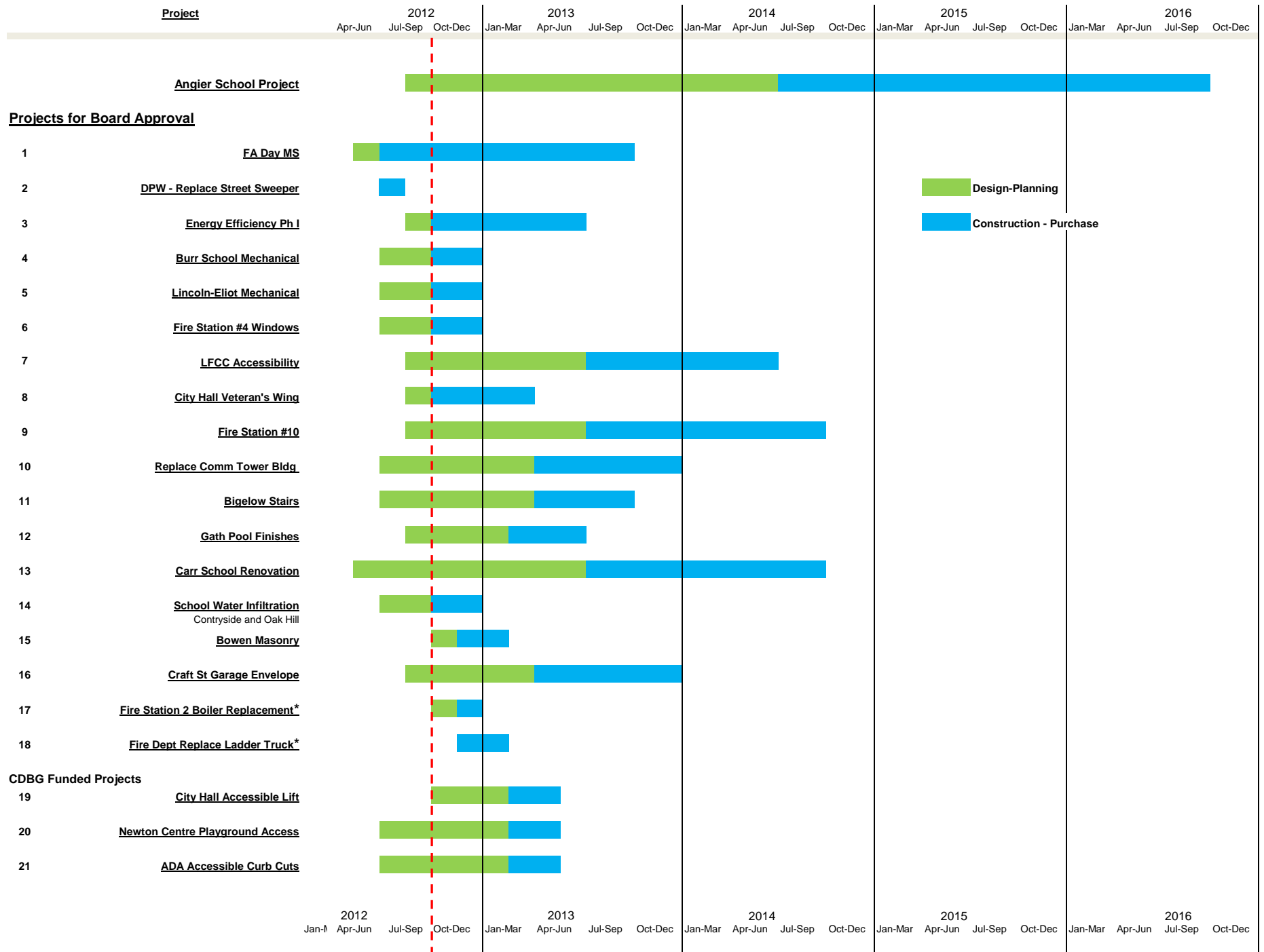
Costs escalated 3.5%/year

*See City website for further detail break-out by facility component.

APPENDICES

- 1. FY2013 CIP Projects Status**
- 2. Elementary School Long Range Plan**
- 3. CPC Draft Funding Guidelines**
- 4. Maps**
 - a. Road Pavement Condition Index (PCI)**
 - b. Road Paving Plan**
 - c. Sidewalk Inventory**
 - d. Sidewalks – Priority of Work**
 - e. Water Pipe Rehabilitation Plan**
 - f. Sewer Rehabilitation Plan**

Appendix 1: FY2013 CIP PROJECT STATUS by FUNDING SOURCE



* Additional Capital Investments beyond FY13 Approved CIP

Appendix 2: LONG RANGE PLAN - ELEMENTARY SCHOOL TIMELINE

10/1/2012

| Fiscal Year | School Year | New School / Major Renovation | | | | | Renovations / Additions | | | | | | | | | | Carr |
|-------------|-------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|------------------------|
| | | Angier (MSBA) | Cabot (MSBA) | Zervas | Ward | Lincoln-Eliot (MSBA) | Williams | Peirce | Country-side | Franklin | Mason-Rice | Burr | Under-wood | Horace Mann | Memorial-Spaulling | Bowen | |
| FY12 | 2011-12 | Start MSBA | | | | | | | | | | | | | | | Plans to Vacate |
| FY13 | 2012-13 | Feasibility Study | | | | | | | | | | | | | | | Feasibility Study |
| FY14 | 2013-14 | Design | | | | Pre-K* +4 Classrooms | | | | | | | | | | | Construction |
| FY15 | 2014-15 | Construction | Feasibility Study | | | | | | | | | | | | | | Angier Students |
| FY16 | 2015-16 | Construction | Design | | | | | | | | | | | | | | Angier Students |
| FY17 | 2016-17 | Completed: +6 Classrooms | Construction | Feasibility Study | | | | | | | | | | | | | Cabot Students |
| FY18 | 2017-18 | | Construction | Design | | | | | | | | | | | | | Cabot Students |
| FY19 | 2018-19 | | Completed: +7 Classrooms | Construction | | | Feasibility Study | | | | | | | | | | Zervas Students |
| FY20 | 2019-20 | | | Construction | | | Design | Feasibility Study | | | | | | | | | Zervas Students |
| FY21 | 2020-21 | | | Completed: +4 Classrooms | Feasibility Study | | Construction | Design | | | | | | | | | Williams Students |
| FY22 | 2021-22 | | | | Design | | +6 New Classrooms | Construction | | | | | | | | | Peirce Students |
| FY23 | 2022-23 | | | | Construction | Feasibility Study | | | +4 New Classrooms | | | | | | | | Ward Students |
| FY24 | 2023-24 | | | | Construction | Design | | | | | | | | | | | Ward Students |
| FY25 | 2024-25 | | | | Completed: +4 Classrooms | Construction | | | Feasibility Study | | | | | | | | Lincoln-Eliot Students |
| FY26 | 2025-26 | | | | | Construction | | | Design | Feasibility Study | | | | | | | Lincoln-Eliot Students |
| FY27 | 2026-27 | | | | | Completed: +4 Classrooms | | | Construction | Design | Feasibility Study | | | | | | Countryside Students |
| FY28 | 2027-28 | | | | | | | | No New Classrooms | Construction | Design | Feasibility Study | | | | | Franklin Students |
| FY29 | 2028-29 | | | | | | | | | +4 New Classrooms | Construction | Design | Feasibility Study | | | | Mason-Rice Students |
| FY30 | 2029-30 | | | | | | | | | | +4 New Classrooms | Construction | Design | Feasibility Study | | | Burr Students |
| FY31 | 2030-31 | | | | | | | | | | | +3 New Classrooms | Construction | Design | | | Underwood Students |
| FY32 | 2031-32 | | | | | | | | | | | | No New Classrooms | Construction | Feasibility Study | | Horace Mann Students |
| FY33 | 2032-33 | | | | | | | | | | | | | +3 New Classrooms | | Feasibility Study | Horace Mann Students |

*Pre-K Program is currently in two locations (Lincoln-Eliot and the Ed Center). Long term plan is to consolidate the program in one location.

DRAFT NEWTON CPC FUNDING GUIDELINES

1. Use existing City-wide plans to guide funding decisions.

As required by the Community Preservation Act, in 2002-03 Newton's first Community Preservation Committee created a *Community Preservation Plan* analyzing the City's CPA-related needs, possibilities and resources. Since then, the City has adopted a new *Comprehensive Plan* (2007), conducted several surveys of its CPA-eligible resources (often with CPA funding), and created a new, more rigorous *Capital Improvement Plan*. Newton regularly updates its *Consolidated Plan for Housing & Community Development* and its *Recreation & Open Space Plan*. Most of these City-wide plans involve significant public participation.

The basic analysis in the original *Community Preservation Plan* is still valid, but the CPC now relies primarily on these newer City-wide plans to identify community needs. In particular, the Committee will support:

- For all resources, accessibility in excess of legal requirements, where appropriate
- For housing, the development of housing that is permanently deed-restricted to serve income groups prioritized by the *Consolidated Plan*, in locations prioritized by the *Comprehensive Plan*, especially mixed-use, transit-oriented village centers
- For City projects, projects that address both the risk-based priorities in the *Capital Improvement Plan* and the community-character priorities in other plans such as the *Archaeology Survey*, *City Archives Survey*, *City Historic Buildings Survey*, *Early Architecture Surveys*, and *Heritage Landscapes Report*
- For open space and recreation land, the acquisition of additional sites or easements for City ownership, and the development or improvement of sites already owned by the City, as listed in the "Action Plan" section of the *Recreation & Open Space Plan*

2. Balance the allocation of funds across all eligible resources and allowable uses.

The Community Preservation Act (CPA) provides state and local funds for affordable housing, historic resources, open space and recreation land. Newton's past funding pattern and these guidelines for future funding reflect our community's strong, continuing support for all four resources:

| | Program Admin. | Affordable Housing | Historic Resources | Open Space | Recreation Land | General (any eligible resource) |
|---------------------------------------|-----------------------|---------------------------|---------------------------|--|------------------------------|---|
| Required by the CPA | maximum 5% | minimum 10% | minimum 10% | minimum 10% | no requirement | 65% |
| Newton: Cumulative, Fy03-Fy12 * | 3-4% | 31% | 22% | 25% | 18% | -- |
| | | | | open space & recreation combined ** | | |
| | | | | <u>acquisition</u> 35% | <u>rehabilitation</u> 7% | |
| Newton: Proposed | 3-4% | 30-35% | 15% | <u>acquisition</u> 20-25% | <u>rehabilitation</u> 15% | 10% |

* Including total debt issuance, interest & principal for bonded projects, but excluding canceled projects.

** Newton will continue to track and report its CPA funding decisions by resource, as required. However, the CPA has always included 'recreation land' in its definition of 'open space,' and as amended in July 2012, now allows the annual minimum 10% for open space to be spent on any eligible recreation project. These guidelines therefore group these two resources together and instead distinguish funding for the acquisition of new public lands from funding to rehabilitate existing public lands.

The CPC intends these target allocations to:

- minimize the need for future debt financing by building a robust reserve for future land acquisitions, while making funds available for current proposals involving other resources

- encourage longer-term planning, while making funds available for projects that must respond to unpredictable real estate opportunities (primarily affordable housing and open space or recreation)
- encourage multi-resource projects, which can use funds targeted for several resources

The CPC sees these target allocations as guidelines, not guarantees. In any given year, funds will still be reserved for future proposals rather than recommended for current ones that are not compelling; funding recommended for any resource may vary by $\pm 5\%$ or more from the target for that resource; and the “general” allocation may be concentrated on a single resource, divided among several resources, or reserved for future spending. If the mix of proposals received or recommended differs systematically from these targets over several years, the CPC will adjust the targets. *A funding forecast based on these targets appears at the end of this document, as a starting point for public comment and further CPC discussion.*

The CPC also uses the following goals to balance funds among eligible resources and allowable uses:

- *For all resources and sponsors*, support projects that benefit the City as a whole and that raise the maximum possible funding from non-CPA sources
- *For resources neither in public ownership nor proposed for public acquisition*, support only projects that provide strong public benefits and public access
- *For housing*, support both rental and homeownership opportunities; and support the creation of a municipal affordable housing trust, if it will significantly expedite the funding process
- *For historic resources*, support both already recognized or protected resources and the extension of recognition and protection, by making funds for previously unprotected resources contingent on landmarking, granting a preservation restriction, or inclusion in a local historic district
- *For open space and recreation land*, focus CPA funding for improvements on features with a very long useful life and that are designed for both sustainability and ease of maintenance

3. Support proposals with a high benefit/cost ratio and probability of success, based on their sponsors’ demonstrated capacity for project management and long-term maintenance.

The Community Preservation Committee’s proposal process aims to ensure that funded projects provide the maximum possible public benefit at the minimum possible public cost, are managed efficiently, and are adequately maintained without additional CPA funding. The Community Preservation Act prohibits funding for routine operating costs or maintenance.

PRE-PROPOSAL & PROPOSAL PROCESS

- *pre-proposals are required*: The CPC requires a short, informal pre-proposal for each project – the equivalent of a “letter of inquiry” to a private foundation. The Committee discusses each pre-proposal at a regular public meeting, but it does not hold public hearings on pre-proposals. The CPC uses these brief discussions to decide whether and when to invite submission of full proposals and to strengthen pre-proposals that are incomplete or poorly presented.
- *full proposals are accepted by invitation only, but an invitation does not guarantee funding*: Full proposals must be invited by the Community Preservation Committee, but all proposals must compete for limited funds with other current proposals and with future proposals. The Committee holds a full public hearing and one or more working sessions on each full proposal before voting on whether to recommend it to the Board of Aldermen for funding.

SCHEDULE & DEADLINES

- *pre-proposals are accepted on a rolling basis*: An annual cutoff date ensures that the sponsors of invited proposals have enough time to prepare their proposals by the next annual deadline.
- *most full proposals are accepted in an annual funding round*, usually in the fall: The annual deadline allows the Committee and the public to evaluate competing uses of available funds and encourages longer-term planning by proposal sponsors.
- *proposals that involve real estate acquisition are accepted on a rolling basis*: Most such proposals are for housing development or for the acquisition of open space or recreation land.

PROPOSAL REQUIREMENTS

The CPC requires the following information to help it evaluate each proposal's relative costs, benefits and probability of success. For full requirements, see the *Proposal & Project Handbook* online.

Eligibility, Priorities & Community Support

- *eligibility*: evidence that the project satisfies the requirements of the Community Preservation Act
- *priorities*: specific citations from two or more City-wide plans showing how the project addresses previously identified City-wide priorities
- *broad community support*: letters, petitions or contacts showing that Newton residents from beyond as well as within the project's immediate neighborhood support and are involved with the project

Management Capacity

- *ownership/control*: the primary sponsor must be the organization or City department with long-term responsibility for the resource to be funded; for projects involving real estate, non-City sponsors must submit a legally binding option, purchase & sale agreement, or deed
- *timeline*: anticipated key dates from initial funding through final completion
- *project manager*: relevant training & experience, and availability; the project manager must be the primary presenter at all public meetings and hearings about the proposal or project
- *for City projects*: A clear lesson from the first decade of Newton's CPA program is that most City departments no longer have the excess staff capacity needed to manage CPA-funded projects in addition to their regular work. Since CPA funds may not be used to fund continuing regular staff positions, City proposals should be submitted in "sets" with similar management requirements, so several projects can share a single temporary, contracted project manager.

Financial Capacity

- *for the project*: development budget and 10-year operating budget, showing all sources & uses of funds, not just requested CPA funding
- *for the project sponsor*: sponsoring department's or organization's most recent annual operating budget (revenue & expenses), including funds for maintenance, and most recent annual financial statement (assets & liabilities), including private resources
- *for real property acquisition*: appraisal by an independent, certified real estate appraiser

Other Requirements

- *codes, permits & standards*: evidence of compliance with all applicable building, permitting, zoning and environmental codes or laws
- *professional designs & cost estimates*: if final designs and estimates are not available, the CPC will request a separate proposal for these prior to any proposal for construction funding, but the CPC does not normally consider requests for "capacity building" (fundraising plans, feasibility studies, etc.)
- *for historic resources*: analysis of historic significance & significant features, listing on the state/ National Register of Historic Places or written confirmation of local significance by the Newton Historical Commission, and a scope of work that complies with federal preservation or rehabilitation standards

4. Evaluate Projects to Ensure Accountability & Improve Future Projects

- When recommending funding, the CPC identifies key project results ("deal breakers") that may only be modified with the explicit approval of the CPC or Board of Aldermen.
- The CPC requires regular progress reports from project managers.
- The final release of CPA funds for each project is contingent on the project manager's in-person presentation of a final report to the CPC.
- The CPC and its staff monitor projects after completion to learn which kinds of projects have provided the best long-term returns on initial investments of CPA funds, and why.
- When reviewing each new proposal, the CPC takes into account the sponsor's past record of project management and maintenance.

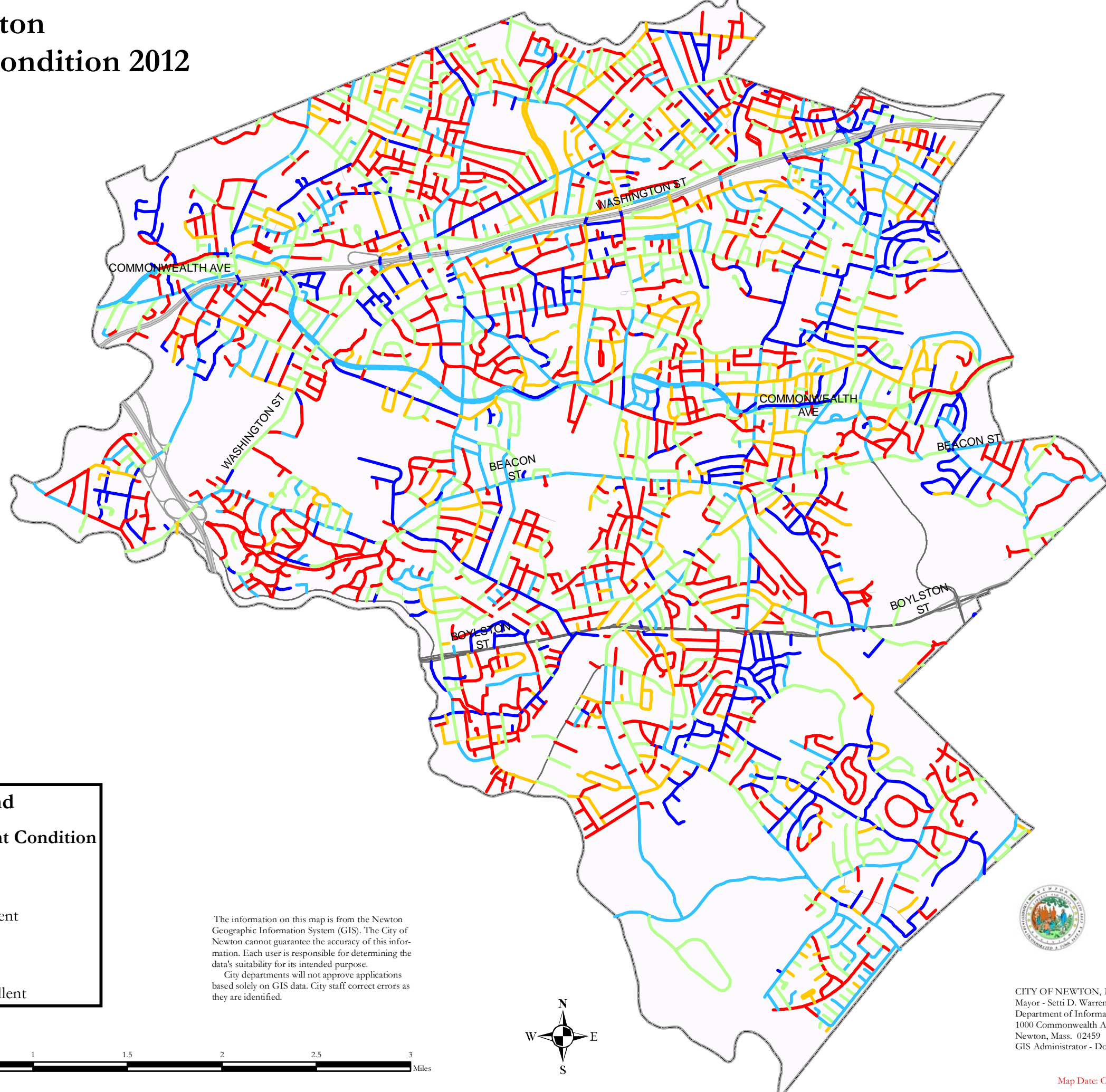
updated 28 August 2012, A. Ingerson

| City of Newton, Massachusetts Community Preservation Fund | | Fiscal 2013 | Fiscal 2014 | Fiscal 2015 | Fiscal 2016 | Fiscal 2017 | Fiscal 2018 |
|--|-----------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|
| ILLUSTRATION of TARGET ALLOCATIONS & FUNDING FORECAST | | <i>Trend assumptions: Local revenue increasing 2.5% and state match declining 3% each year, starting from 22% state match in fy13. Each year's state match is a % of the previous year's local revenue.</i> | | | | | |
| REVENUE | | | | | | | |
| local CPA surcharge | | \$2,472,625 | \$2,534,441 | \$2,597,802 | \$2,662,747 | \$2,729,315 | \$2,797,548 |
| state matching funds | | \$536,168 | \$506,888 | \$468,872 | \$402,659 | \$332,843 | \$259,285 |
| fund balance <i>(uncommitted funds forwarded from previous yr)</i> | | \$6,335,670 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL REVENUE | | \$9,344,463 | \$3,041,329 | \$3,066,673 | \$3,065,406 | \$3,062,159 | \$3,056,833 |
| POSSIBLE TARGET ALLOCATIONS | | | | | | | |
| By Resource & Use | target % | | | | | | |
| affordable housing: development | 35% | \$3,270,562 | \$1,064,465 | \$1,073,336 | \$1,072,892 | \$1,071,756 | \$1,069,892 |
| historic resources: all purposes | 15% | \$1,401,669 | \$456,199 | \$460,001 | \$459,811 | \$459,324 | \$458,525 |
| open space & recreation land: acquisition <i>(net of debt service shown below)</i> | 20% | \$1,037,768 | \$506,516 | \$332,335 | \$343,237 | \$352,150 | \$611,367 |
| open space & recreation land: rehabilitation / facilities development | 15% | \$701,669 | \$456,199 | \$460,001 | \$459,811 | \$459,324 | \$458,525 |
| general - any of the above <i>(total revenue net of targets above and 5% max. program admin)</i> | 10% | \$1,153,349 | \$404,133 | \$306,667 | \$306,541 | \$306,216 | \$305,683 |
| PRE-COMMITTED EXPENDITURES | | | | | | | |
| Program Administration & Debt Service | | | | | | | |
| program administration <i>(fy13 as budgeted, fy14 & later as max 5% of current-yr funds)</i> | | (\$148,320) | (\$152,066) | (\$153,334) | (\$153,270) | (\$153,108) | (\$152,842) |
| debt service for Kessler Woods <i>(100% open space, final payment fy14)</i> | | (\$525,125) | (\$508,500) | \$0 | \$0 | \$0 | \$0 |
| debt service for 20 Rogers St. <i>(100% recreation, final payment fy17)</i> | | (\$306,000) | (\$293,250) | (\$281,000) | (\$269,844) | (\$260,281) | \$0 |
| TOTAL (admin + debt service) | | (\$979,445) | (\$953,816) | (\$434,334) | (\$423,114) | (\$413,389) | (\$152,842) |

Possible Fy13 & Fy14 Adjustments

If all funds available were spent in fy13, and target percentages were applied to all years, acquisition and general reserves would both be negative in fy14. Amounts shown above therefore include the following adjustments: **\$700,000** deferred from fy13 land rehabilitation to fy14 land acquisition, **\$800,000** deferred from fy13 general reserve to fy14 general reserve. But unless CPC accepts additional off-cycle proposals in fy13, the total fund balance deferred from fy13 should be much more than this **\$1,500,000**.

City of Newton Pavement Condition 2012



Legend

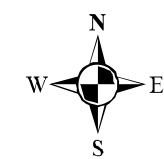
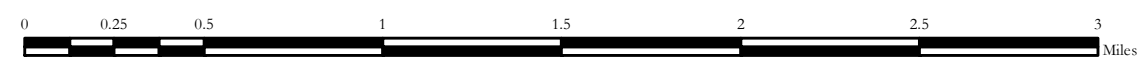
Current Pavement Condition

PCI

- 32 - 60 Poor
- 61 - 72 Deficient
- 73 - 85 Fair
- 86 - 92 Good
- 93 - 100 Excellent

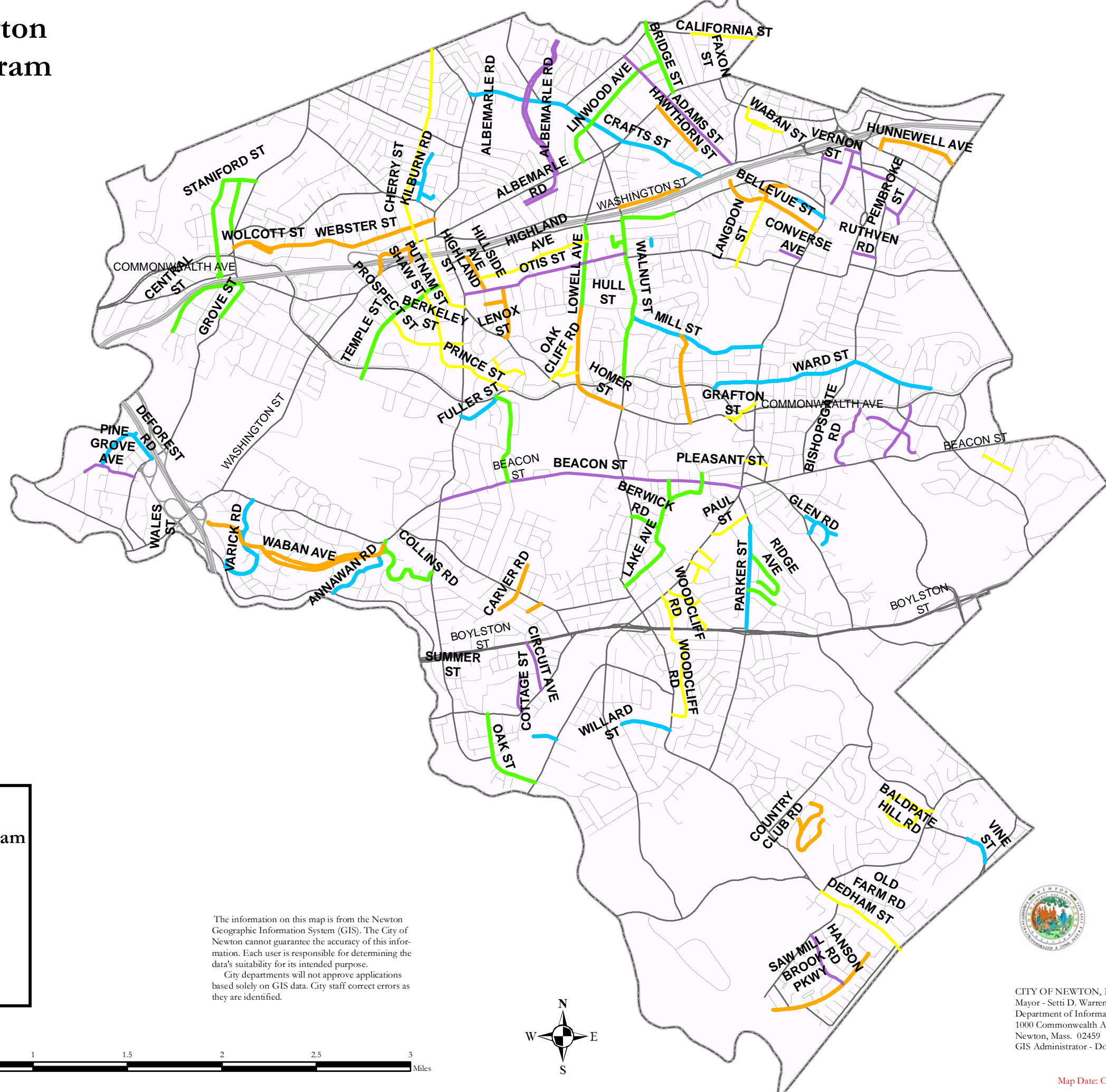
The information on this map is from the Newton Geographic Information System (GIS). The City of Newton cannot guarantee the accuracy of this information. Each user is responsible for determining the data's suitability for its intended purpose.

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 Department of Information Technology
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 GIS Administrator - Douglas Greenfield

City of Newton Roads Program 2014-2018



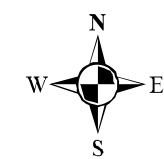
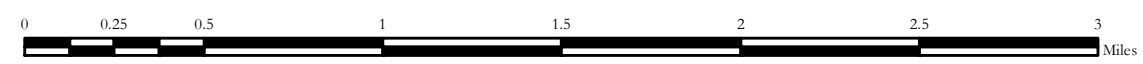
Legend

Roads CIP Program

Fiscal Year

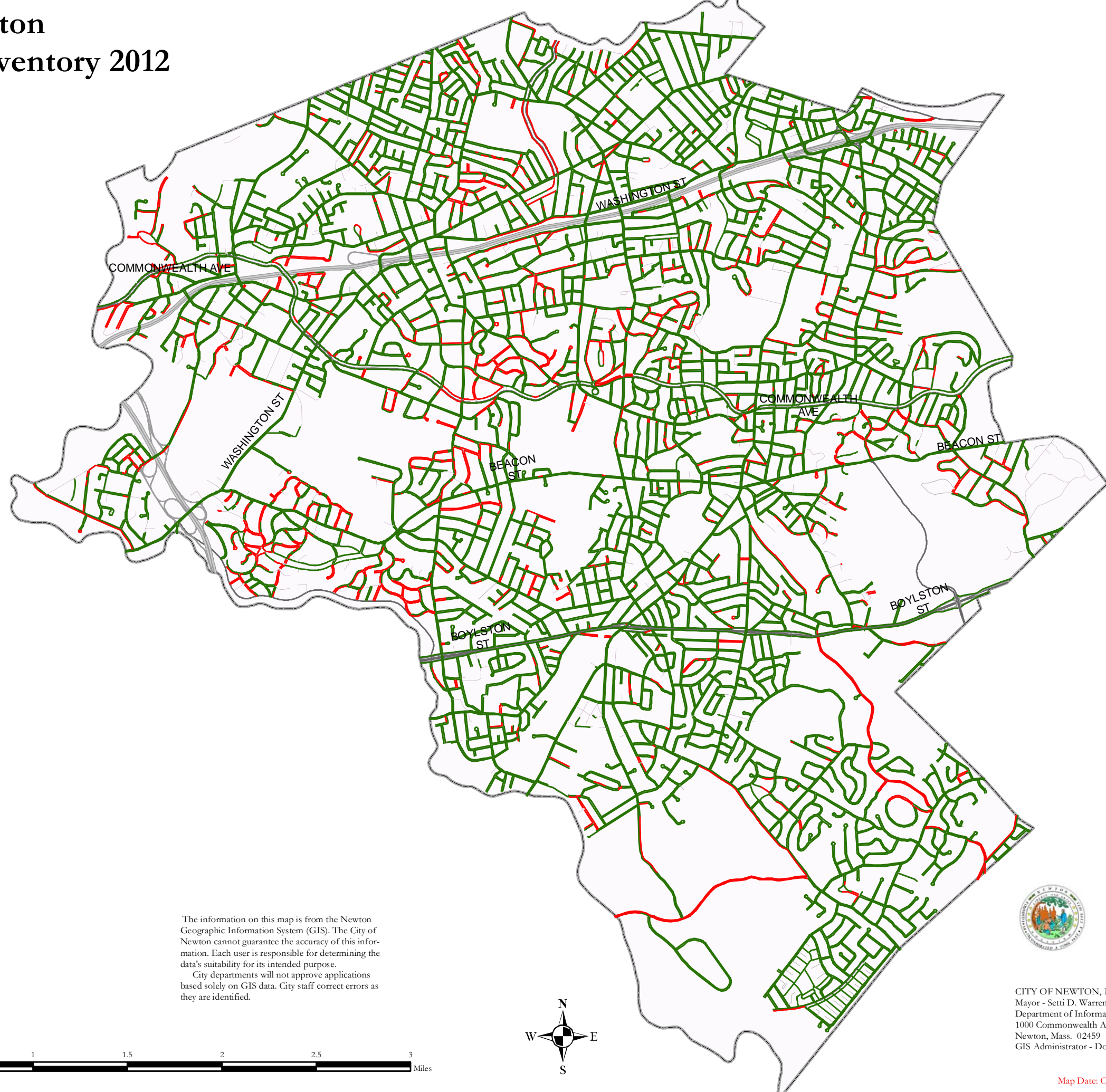
- 2014
- 2015
- 2016
- 2017
- 2018

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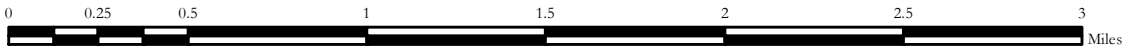
City of Newton Sidewalk Inventory 2012



Legend

- Sidewalks
- No Sidewalks

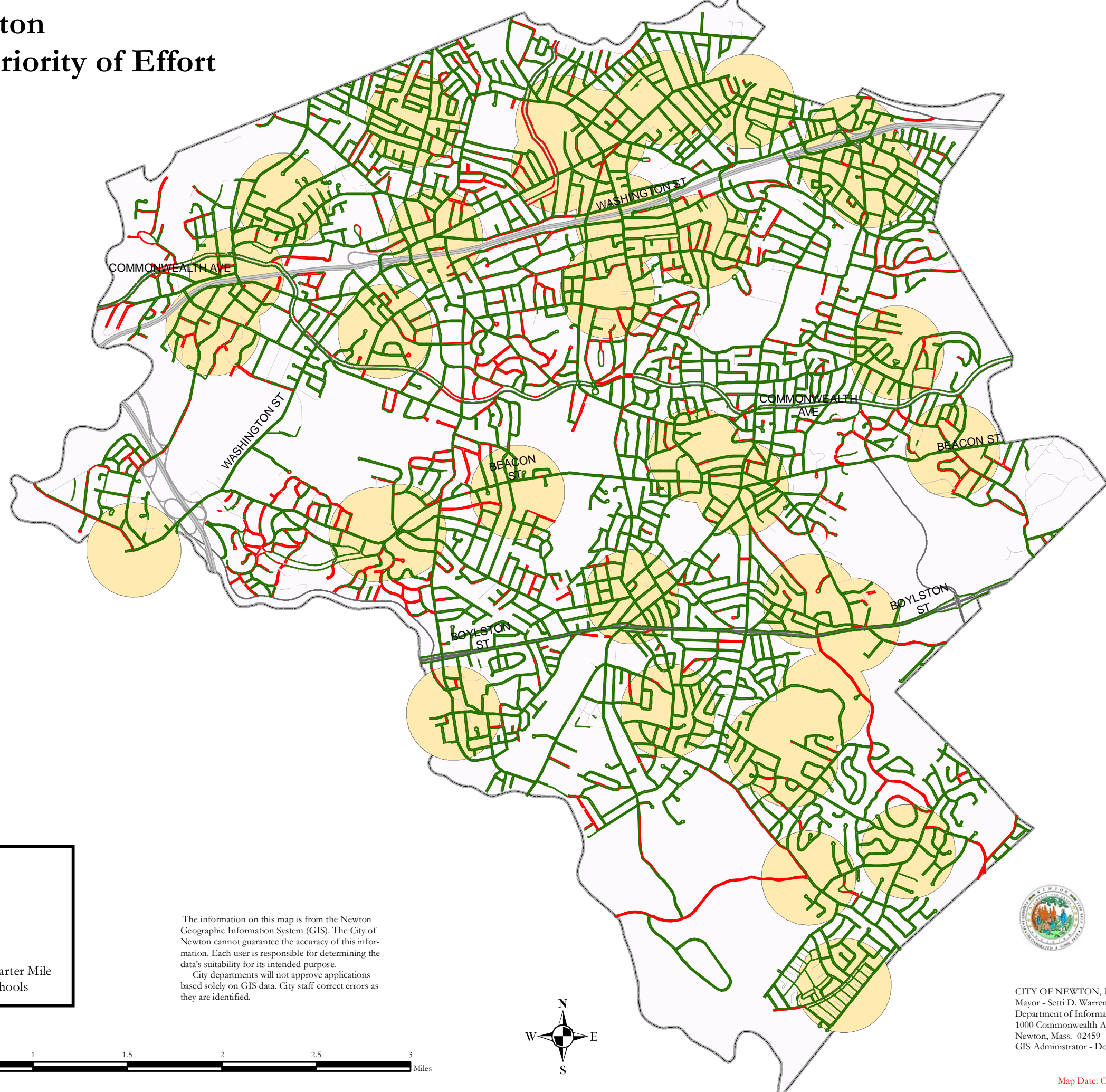
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Map Date: October 12 2012

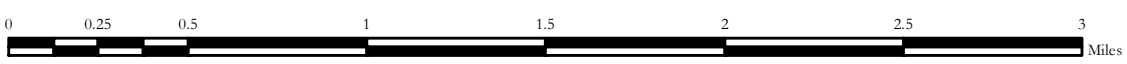
City of Newton Sidewalks-Priority of Effort



Legend

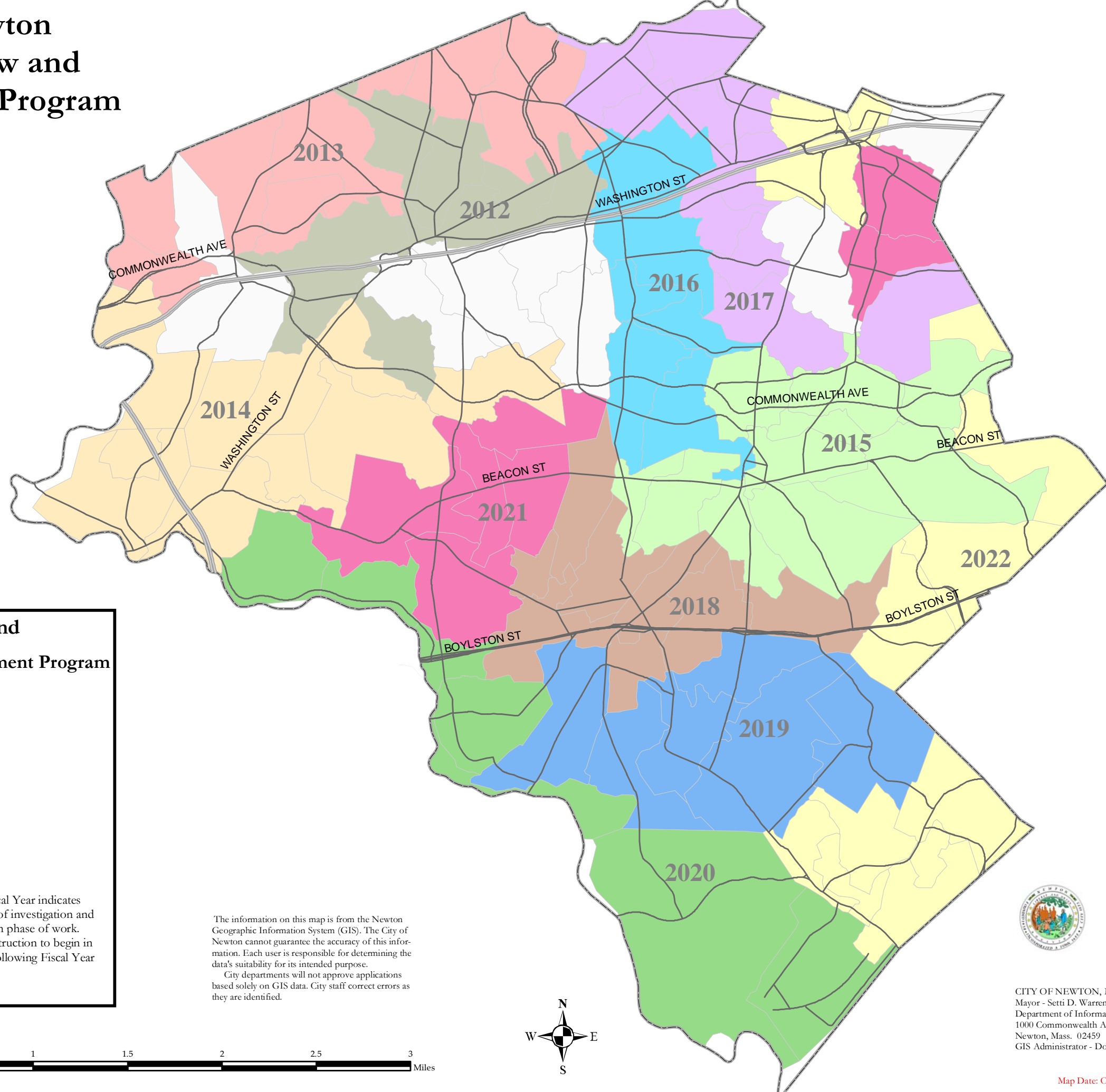
- Sidewalks
- No Sidewalks
- Areas within a Quarter Mile of Villages and Schools

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Department of Information Technology
1000 Commonwealth Avenue
Newton, Mass. 02459
GIS Administrator - Douglas Greenfield

City of Newton Sewer Inflow and Infiltration Program 2013-2022



Legend

Capital Improvement Program

Fiscal Year*

- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021
- 2022
- Completed

* Fiscal Year indicates start of investigation and design phase of work. Construction to begin in the following Fiscal Year

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