

CITY OF NEWTON

IN BOARD OF ALDERMEN

PUBLIC SAFETY & TRANSPORTATION COMMITTEE REPORT

WEDNESDAY, JUNE 19, 2013

Present: Ald. Ciccone (Chair), Fuller, Johnson, Harney, Schwartz and Swiston

Absent: Ald. Kalis and Yates

City Staff: Asst. Chief Paul Chagnon, Newton Fire Department; Sgt. Jay Babcock, Newton Police Department; Bill Paille, Director of Transportation and David Koses, Transportation Planner

Members of Boy Scouts Troop 355 of West Newton observed the Committee as part of a process to obtain their citizenship, community and communication badges.

**REFERRED TO PUBLIC SAFETY & TRANS AND FINANCE COMMITTEES**

#226-13 HIS HONOR THE MAYOR requesting authorization to transfer the sum of two hundred thousand dollars (\$200,000) from Fire/Rescue Salaries to a capital account for Fire Department Equipment. [06/10/13 @ 6:54 PM]

**ACTION:** **APPROVED 6-0**

**NOTE:** Asst. Chief Paul Chagnon joined the Committee for discussion on this item.

Asst. Chagnon said that this request is to purchase a mobile cascade truck from the \$200,000 FY13 salary savings account (retired and terminated personnel). If approved, the Fire Department would order a Ford F550, a specialized cascade truck at an estimated cost of \$189,000 plus \$5,000 for shelving and approximately \$6,000 for lettering, etc. This truck lights up the area during nighttime operations, carries HazMat supplies and has the ability to pump water during storms. The primary use would allow the department to refill air tanks at an incident in a timely and efficient manner, without traveling to Station #3 to refill their air tanks.

Committee members asked if surrounding communities use cascade trucks and how many firefighters benefit from this type of truck? Asst. Chief Chagnon answered yes; Cambridge and Boston have cascade trucks, Waltham has difficulty manning their truck and Weston's truck is out of service. In the past, Newton has relied on mutual aid for assistance. The Newton Fire Department has 108 air tanks; each ladder truck carries 10 air tanks, each engine truck carries 8 air tanks and the ERU carries 30 air tanks. The cascade truck carries a minimum of 60 bottles stocking the entire department with air tanks.

Ald. Fuller made the motion to approve this item allowing the Fire Department to purchase a Ford F550 cascade truck. Committee members agreed 6-0.

Committee Clerk's Note: As requested the FY 2014-2018 CIP is attached to this report.

#337-12 ALD. LINSKY, CICCONE, ALBRIGHT & JOHNSON, requesting authorization for the installation of a bicycle corral adjacent to 321 Walnut Street, Newtonville. [10/11/12 @ 8:18 PM]

**ACTION:** NO ACTION NECESSARY 6-0

**NOTE:** Chair Ciccone said that Ald. Linsky is aware that the City intends on installing a bicycle corral in Newton Centre. Ald. Linsky would support a motion for no action necessary on this item and it is his intention to docket an item for a bicycle corral in Newtonville if one becomes available in the future.

Ald. Johnson said that she is hesitant to support the installation of a bicycle corral in Newtonville until the streets and sidewalks are reconfigured, making the area safe. Therefore, without discussion Ald. Johnson made the motion for no action necessary. Committee members agreed 6-0.

#268-12 WARD 2 ALDERMEN, filing an appeal from TC29-12 (A&B), which requested removal of metered parking spaces on Walnut Street across from Washington Park and Madison Avenue (Ward 2), approved by Traffic Council on July 26, 2012. (Appeal filed 08/13/12)

**A) HELD removal of Meter #266, Walnut Street across from Washington Park (6-0, Ald. Kalis not voting) on 10/03/12**

**B) APPEAL DENIED removal of Meters #253 and #254, Walnut Street across from Madison Avenue (6-0, Ald. Kalis not voting) on 10/03/12**

**ACTION:** **A) APPEAL DENIED 6-0**

**NOTE:** Bill Paille, Director of Transportation joined the Committee for discussion on this item.

Chair Ciccone said that Ald. Linsky would support a motion denying the appeal that was held for the removal of Meter #266, Walnut Street across from Washington Park. He has informed Chair Ciccone that he was assured parking would be restored once construction is complete on Walnut Street.

Mr. Paille said that the City is in the process of developing preliminary plans to reconfigure Walnut Street including the geometry of curb sidewalks, median strip, parking and bump outs.

Without discussion, Ald. Johnson made the motion to deny the appeal that was held for removal of Meter #266, Walnut Street across from Washington Park. Committee members agreed 6-0.

At approximately 8:30 pm, Ald. Harney motioned to adjourn. Committee members agreed 6-0.

Respectfully submitted,

Allan Ciccone, Jr. Chairman

#226-13

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SETTI D. WARREN  
MAYOR

City of Newton, Massachusetts  
Office of the Mayor

June 10, 2013

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

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to transfer the sum of \$200,000 from Fire/Rescue Salaries to a capital account for Fire Department Equipment.

As you know, the Fire Department recently received \$96,000 for an "Assistance to Firefighters Grant" (AFG) for the purpose of training and certifying 24 Newton Fire Department personnel to the highest level of specialization, "Technical Rescue". Additionally, the City received \$196,000 from the developers of Chestnut Hill Square, most of which the Fire Chief has set aside for the future purchase of a Heavy Duty Rescue Truck. Further the Fire Department would greatly benefit from a mobile "cascade system" on the incident scene that would be used to fill self-contained breathing apparatus in a timely and efficient manner.

With the approval of the Honorable Board, this \$200,000 resulting from fy13 salary savings will enable the Chief to continue to address the needs of the Fire Department.

Thank you for your consideration of this matter.

Very truly yours,

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

Setti D. Warren  
Mayor

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Newton City Clerk  
2013 JUN 10 PM 6: 54  
David A. Oison, CMC  
Newton, MA 02459

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DEDICATED TO COMMUNITY EXCELLENCE

# FIRE

Updated 04/17/2013

## FY2014-2018 CIP by Funding Source

\*\*Revised schedule of projects: Includes all new projects as of April 17, 2013

2

| Priority                     | Dept          | Asset Category           | Project Title  | Project Description / Justification  | Est Cost in FY2014 | Risk Factor | Prior Year Funding | ESCALATED COSTS<br>(Costs in FY2015-2018 are escalated 3.5% a year) |               |               |        |       |  |  |  |
|------------------------------|---------------|--------------------------|--|--|--------------------|-------------|--------------------|---|---------------|---------------|--------|-------|--|--|--|
|                              |               |                          |  |  |                    |             |                    | FY2014  | FY2015        | FY2016        | FY2017 | Total |  |  |  |
| <b>BONDING (BY PRIORITY)</b> |               |                          |  |  |                    |             |                    |   |               |               |        |       |  |  |  |
| 1                            | Schools       | Building                 | Angler School - Renovation or Replacement                                | \$10M anticipated from MSBA. Renovate/replace 92 yr old school due to poor condition, aging bldg systems and inadequate space per State Ed standards.  | \$ 37,500,000      |             | \$ 750,000         | \$ 5,000,000  | \$ 17,500,000 | \$ 14,250,000 |        |       |  |  |  |
| 2                            | Schools       | Building                 | 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        | \$ 1,000,000       | \$ 11,700,000   |               |               |        |       |  |  |  |
| 3                            | Fire Dept     | Building                 | Fire Station #3, HQs, and Wires - Renovate/Replace Newton Centre Station | Station #3 needs major repair/upgrades. Co-located w/ Fire HQs. Upgrade systems for code compliance, access & female firefighters.   | \$ 17,500,000      | 55.1        |                    | \$ 4,000,000  | \$ 400,000    | \$ 400,000    |        |       |  |  |  |
| 6                            | Schools       | Building                 | Short Term Space Needs - Add Modular Classrooms at Four Schools          | Up to 9 new modular classrooms at Burr, Horace Mann, Bowen and Mason Rice. Project includes sprinklers at Mason Rice.  | \$ 4,000,000       | 50.5        |                    | \$ 4,000,000  |               |               |        |       |  |  |  |
| 7                            | DPW           | building                 | Crafts St. Salt Storage Sheds Replacement                                | Destruction by Hurricane Sandy has made this project urgent. Consolidate to one new shed.  | \$ 400,000         | 50.4        |                    | \$ 400,000  |               |               |        |       |  |  |  |
| 8                            | Fire Dept     | Building                 | 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        | \$ 780,000         | \$ 3,472,000  |               |               |        |       |  |  |  |
| 9                            | DPW           | Building                 | Crafts Street Garage - Building Envelope & Roof Repair/Replacement       | 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        | \$ 260,000         | \$ 610,000  |               |               |        |       |  |  |  |
| 10                           | Schools       | Building                 | Carr School - Renovation and Addition/Replacement                        | FY14 feasibility study. Project will address aging systems, access, sprinklers, and space needs. Include cost to move to gas-fired. Replace basement fan coil unit. Improve operation & efficiency for consistent heating/cooling. | \$ 45,000,000      | 50.0        |                    | \$ 750,000  | \$ 17,250,000 | \$ 27,000,000 |        |       |  |  |  |
| 15                           | Senior Center | Building                 | 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.   | \$ 188,000         | 49.1        |                    | \$ 188,000  |               |               |        |       |  |  |  |
| 18                           | Parks/Rec     | Building                 | 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        | \$ 25,000          | \$ 275,000  |               |               |        |       |  |  |  |
| 19                           | Schools       | Building                 | Ward School - Accessible Entrance  | Code required project to provide accessible entrance, toilet, and water fountain.  | \$ 200,000         | 48.9        |                    | \$ 200,000  |               |               |        |       |  |  |  |
| 20                           | IT            | Information Technology   | Install Citywide IT Data Network   | Prepare for rapidly growing data volumes, improve speed, reliability and security. Enable new technologies (VOIP, Cloud-based apps)  | \$ 1,000,000       | 48.9        | \$ 500,000         | \$ 500,000  | \$ 517,500    |               |        |       |  |  |  |
| 21                           | DPW           | Roads/ Paving            | LED (Light Emitting Diode) Streetlights Replacement                      | Applied for Green Community and NSTAR grant funding-- extended life expectancy (15 yrs) and energy reduction (3.3 year payback)  | \$ 1,600,000       | 48.7        | \$ 25,000          | \$ 1,575,000  |               |               |        |       |  |  |  |
| 22                           | Parks/Rec     | Parks / Open Space       | Crystal Lake - Water Filtration System                                   | Upgrade water filtration system to mitigate algae.   | \$ 100,000         | 48.7        |                    | \$ 100,000  |               |               |        |       |  |  |  |
| 24                           | DPW           | Large Vehicle/ Equipment | 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 cost.   | \$ 172,000         | 48.6        |                    | \$ 172,000  |               |               |        |       |  |  |  |
| 29                           | Schools       | Building                 | 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  | \$ 40,000,000      | 48.6        | \$ 750,000         | \$ 5,000,000  | \$ 16,000,000 | \$ 19,000,000 |        |       |  |  |  |
| 30                           | DPW           | Large Vehicle/ Equipment | 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        |                    | \$ 110,000  |               |               |        |       |  |  |  |
| 33                           | Schools       | Building                 | 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        |                    | \$ 248,400  |               |               |        |       |  |  |  |

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Newton City Clerk  
2013 APR 22 AM 10:40  
David A. Olson, CMC  
Newton, MA 02459

Fire Department

Fire Department

| Priority | Dept             | Asset Category          | Project Title  | Project Description / Justification   | Est. Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014    | FY2015     | FY2016     | FY2017     | FY2018     |
|----------|------------------|-------------------------|--|---|---------------------|-------------|--------------------|------------|------------|------------|------------|------------|
| 34       | DPW              | Large Vehicle/Equipment | Snow Melter  | Melt snow from village squares in lieu of snow farms sited around the City. Reduces hauling and remediation costs associated with large storms.           | \$ 300,000          | 48.3        |                    | \$ 300,000 |            |            |            |            |
| 35       | Library          | Building                | 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        |                    |            | \$ 517,500 | \$ 321,368 | \$ 332,615 |            |
| 36       | Police           | Building                | 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        |                    |            | \$ 310,500 |            |            |            |
| 37       | Schools          | Building                | 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        |                    |            | \$ 103,500 |            |            |            |
| 44       | Schools          | Building                | Lincoln Elliot 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        |                    |            | \$ 207,000 |            | \$ 498,923 |            |
| 45       | Schools          | Building                | 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        |                    |            | \$ 129,375 |            |            |            |
| 48       | Fire Dept        | Building                | Fire Station #1, Newton Corner - Replace Emergency Generator | Replace emergency electrical generator (90KW, 208Y/120V, 3-Phase, A-Wire) and transfer switch which are at the end of their useful lives.                 | \$ 123,000          | 46.9        |                    |            | \$ 127,305 |            |            |            |
| 52       | DPW              | Large Vehicle/Equipment | 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        |                    |            | \$ 310,500 |            |            |            |
| 54       | Public Buildings | Building                | City Hall - Plumbing and Accessibility Improvements          | Upgrade toilet rooms for improved accessibility as required by code.  | \$ 100,000          | 45.9        |                    |            | \$ 103,500 |            |            |            |
| 58       | Police           | Building                | Police Headquarters - Roof Repair/ Replacement               | Repair EPDM roof leaks. Repair copper cornice roof. Replace firing range roof.  | \$ 83,000           | 45.6        |                    |            | \$ 85,905  |            |            |            |
| 65       | Fire Dept        | Large Vehicle/Equipment | Replace Fire Dept Pumper Truck in Newton Corner (Engine 1)   | Replace Engine 1 - a 1999 Pumper Truck which will exceed life expectancy in 2014, and replace a 1992 spare engine.  | \$ 600,000          | 45.4        |                    |            |            | \$ 642,735 |            |            |
| 66       | Public Buildings | Building                | 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        |                    |            |            | \$ 107,123 |            |            |
| 68       | Schools          | Building                | Ed Center - Electrical Upgrades                              | Upgrade electric service, panels and sub-panels to support IT server room and other building functions.   | \$ 225,000          | 44.6        |                    |            |            | \$ 241,026 |            |            |
| 70       | Schools          | Building                | Education Center - Exterior Masonry Work                     | Repair, repoint and clean exterior masonry. This is Phase II of work begun in FY13.   | \$ 400,000          | 44.1        |                    |            |            | \$ 107,123 |            |            |
| 71       | Public Buildings | Building                | 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        |                    |            |            | \$ 133,903 |            |            |
| 72       | Fire Dept        | Building                | 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        |                    |            |            | \$ 80,342  |            |            |
| 73       | Schools          | Building                | FA Day School - Replace Boilers                              | Replace two 60 year old boilers and variable air volume (VAV) coil work.  | \$ 450,000          | 43.8        |                    |            |            | \$ 107,123 | \$ 388,051 |            |
| 74       | DPW              | Large Vehicle/Equipment | DPW - Replace 1985 Excavator                                 | Replacement of existing city vehicle/equipment used for street & sidewalk repairs. (#110) Beyond useful life expectancy.                                  | \$ 270,000          | 43.8        |                    |            |            | \$ 289,231 |            |            |
| 77       | Public Buildings | Building                | 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        |                    |            |            |            | \$ 267,806 | \$ 138,590 |
| 78       | Parks/Rec        | Building                | 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        |                    |            |            |            | \$ 160,684 |            |
| 80       | Schools          | Building                | Horace Mann School - Replace Roof                            | Replace Total Building 1986 Built up roof area. Roof has reached its life expectancy.   | \$ 375,000          | 43.5        |                    |            |            |            | \$ 401,709 |            |

| Priority | Dept             | Asset Category           | Project Title   | Project Description / Justification  | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY 2015 | FY 2016 | FY 2017      | FY 2018 |
|----------|------------------|--------------------------|---|--|--------------------|-------------|--------------------|---------|---------|---------|--------------|---------|
| 90       | Schools          | Building                 | 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        |                    |         |         |         | \$ 277,179   |         |
| 94       | DPW              | Building                 | 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        |                    |         |         |         | \$ 443,487   |         |
| 96       | Fire Dept        | Building                 | 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        |                    |         |         |         | \$ 180,721   |         |
| 99       | Schools          | Building                 | Lincoln Elliot School - Replace Emergency Generator                       | Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system.                                      | \$ 150,000         | 40.1        |                    |         |         |         | \$ 166,308   |         |
| 108      | Fire Dept        | Building                 | Fire Station #1, Newton Corner - Replace Windows & Doors & Repair Masonry | Remove existing windows and replace w/energy efficient insulated units(4ea). Repair and repoint exterior masonry to preserve building envelope.  | \$ 386,000         | 38.3        |                    |         |         |         | \$ 427,965   |         |
| 109      | Fire Dept        | Building                 | 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        |                    |         |         |         | \$ 96,458    |         |
| 110      | Schools          | Building                 | 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        |                    |         |         |         | \$ 221,744   |         |
| 114      | DPW              | Large Vehicle/ Equipment | 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        |                    |         |         |         | \$ 332,615   |         |
| 119      | Schools          | Building                 | 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        |                    |         |         |         | \$ 286,881   |         |
| 121      | Public Buildings | Building                 | 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        |                    |         |         |         | \$ 114,752   |         |
| 122      | DPW              | Large Vehicle/ Equipment | DPW - Replace 1997 Backhoe  | Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#120) at useful life expectancy.                            | \$ 110,000         | 37.5        |                    |         |         |         | \$ 126,228   |         |
| 125      | Fire Dept        | Large Vehicle/ Equipment | 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        |                    |         |         |         | \$ 688,514   |         |
| 127      | Schools          | Building                 | Newton South High School - Fire Alarm Upgrades                            | Upgrade fire alarm system to be fully addressable.   | \$ 150,000         | 37.3        |                    |         |         |         | \$ 172,128   |         |
| 130      | Police           | Building                 | 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        |                    |         |         |         | \$ 160,653   |         |
| 134      | Schools          | Building                 | Ed Center - Accessibility Upgrades  | Upgrade elevator, door hardware, and signage for accessibility.  | \$ 400,000         | 37.1        |                    |         |         |         | \$ 114,752   |         |
| 135      | Schools          | Building                 | Burr School - Accessibility Upgrades                                      | Upgrade entrance ramp, elevator, toilet rooms, and door hardware for accessibility.  | \$ 300,000         | 37.1        |                    |         |         |         | \$ 114,752   |         |
| 136      | Schools          | Building                 | Newton South High School - Mechanical Upgrades                            | Replace air handlers and roof top equipment and remove underground storage tanks.  | \$ 375,000         | 37.1        |                    |         |         |         | \$ 430,321   |         |
| 137      | Parks/Rec        | Parks / Open Space       | 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        |                    |         |         |         | \$ 1,893,413 |         |
| 138      | DPW              | Large Vehicle/ Equipment | 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        |                    |         |         |         | \$ 172,128   |         |
| 139      | Parks/Rec        | Building                 | 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        |                    |         |         |         | \$ 573,762   |         |
| 140      | Public Buildings | Building                 | 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        |                    |         |         |         |              |         |

Updated April 19, 2013

| Priority | Dept             | Asset Category           | Project Title  | Project Description / Justification   | Est. Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 |
|----------|------------------|--------------------------|--|---|---------------------|-------------|--------------------|---------|---------|---------|---------|---------|
| 145      | Library          | Building                 | Newton Free Library - Generator Replacement                          | Library used as cooling station for residents. Existing energy agreement mandates peak usage on auxiliary power when regional demand is high extreme.                 | \$ 250,000          | 36.4        |                    |         |         |         |         |         |
| 146      | Fire Dept        | Large Vehicle/ Equipment | 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        |                    |         |         |         |         |         |
| 147      | Public Buildings | Building                 | 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.                                     | \$ 1,225,000        | 36.4        |                    |         |         |         |         |         |
| 148      | Public Buildings | Building                 | City Hall - Electrical Upgrades                                      | Replace emergency generator and electrical upgrades.  | \$ 225,000          | 36.3        |                    |         |         |         |         |         |
| 150      | Schools          | Building                 | 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        |                    |         |         |         |         |         |
| 151      | Schools          | Building                 | Ward School - Accessibility Improvements                             | Future building renovation will address hardware, toilets, elevator, etc. (stage access, railings signage, water fountains).  | \$ 1,480,000        | 36.2        |                    |         |         |         |         |         |
| 152      | Fire Dept        | Building                 | 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        |                    |         |         |         |         |         |
| 153      | Schools          | Building                 | 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        |                    |         |         |         |         |         |
| 154      | Schools          | Building                 | Mason Rice School - Electrical Upgrades                              | Replace emergency generator, electrical panels and sub-panels.  | \$ 325,000          | 36.1        |                    |         |         |         |         |         |
| 155      | Schools          | Building                 | Pelree School - Plumbing Upgrades                                    | Sanitary piping is deteriorating. Upgrades to toilet rooms and water fountains  | \$ 225,000          | 36.0        |                    |         |         |         |         |         |
| 156      | Schools          | Building                 | Mason Rice School - Replace Roof                                     | Replace the 1990's Sarnifill roofing system on the main portion of the building. Existing roof has reached its life expectancy.                                       | \$ 580,000          | 35.9        |                    |         |         |         |         |         |
| 157      | Schools          | Building                 | Bigelow School - Roof Replacement                                    | Replace entire building roof system. Roof is beyond its useful life.  | \$ 750,000          | 35.9        |                    |         |         |         |         |         |
| 158      | Schools          | Building                 | Burr School - Replace Roof   | Replace the total building roofing system installed in the 1980's.  | \$ 450,000          | 35.9        |                    |         |         |         |         |         |
| 163      | Schools          | Building                 | Mason Rice School - Mechanical Upgrades                              | Direct Digital Controls conversion and upgrade heating distribution system.   | \$ 450,000          | 35.6        |                    |         |         |         |         |         |
| 164      | DPW              | Building                 | Elliott 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        |                    |         |         |         |         |         |
| 165      | Schools          | Building                 | Bowen School - Mechanical Upgrades                                   | Replace interior air handlers in first year. Direct Digital Controls conversion.  | \$ 325,000          | 35.5        |                    |         |         |         |         |         |
| 166      | Fire Dept        | Large Vehicle/ Equipment | 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        |                    |         |         |         |         |         |
| 168      | Schools          | Roads/ Paving            | Burr School - Sitework Sidewalk Ramp Repairs                         | Front stair railing collapsing; catch basin at entrance plaza, parking area. Make accessible route  | \$ 280,000          | 35.4        |                    |         |         |         |         |         |
| 169      | Schools          | Building                 | Bigelow School - Replace Windows and Doors                           | Replace aging windows and exterior doors to improve comfort, operation, and energy efficiency.  | \$ 400,000          | 35.4        |                    |         |         |         |         |         |
| 170      | Schools          | Building                 | Underwood School - Accessibility Upgrades                            | Accessibility upgrades including compliant door hardware, Toilets, and Elevator   | \$ 415,000          | 35.4        |                    |         |         |         |         |         |
| 172      | DPW              | Building                 | Elliott St. Operations Building - Building Envelope                  | Repair foundation walls and rebuild ramp foundation walls. Repair/replace airway retaining wall. Repair cracks; repoint mortar joints.                                | \$ 123,000          | 35.2        |                    |         |         |         |         |         |
| 173      | DPW              | Large Vehicle/ Equipment | 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        |                    |         |         |         |         |         |

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| Priority | Dept             | Asset Category          | Project Title  | Project Description / Justification  | Est. Cost in FY2014 | Risk Factor | Prior Year Funding | FY2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|-------------------------|--|--|---------------------|-------------|--------------------|--------|--------|--------|--------|--------|
| 175      | Schools          | Building                | Memorial Spaulding School - Mechanical Upgrades                                | Replace controls, air handlers. Replace 2nd boiler, hot water conversion, and Direct Digital Controls conversion.  | \$ 750,000          | 35.2        |                    |        |        |        |        |        |
| 176      | Schools          | Building                | Underwood School - Replace Roof  | Replace whole building roof in 2 phases.   | \$ 450,000          | 35.1        |                    |        |        |        |        |        |
| 177      | Schools          | Building                | Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System | Replace roof top air handling units and distribution system  | \$ 250,000          | 35.1        |                    |        |        |        |        |        |
| 178      | Schools          | Building                | Newton South High School - Electrical Upgrades                                 | Upgrades to Lighting and controls  | \$ 150,000          | 35.1        |                    |        |        |        |        |        |
| 180      | Parks/Rec        | Parks / Open Space      | Replace Weeks Playground Tennis Courts   | Replace 4 existing tennis courts at Weeks Playground.  | \$ 220,000          | 35.1        |                    |        |        |        |        |        |
| 181      | Parks/Rec        | Parks / Open Space      | Replace McGrath Playground (Warren) Tennis Courts                              | Replace 4 existing tennis courts at McGrath Playground (Warren).   | \$ 220,000          | 35.1        |                    |        |        |        |        |        |
| 184      | Parks/Rec        | Building                | 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        |                    |        |        |        |        |        |
| 185      | Schools          | Building                | Williams School - Mechanical Upgrades  | Replace Air handlers. Direct Digital Controls conversion for HVAC system.  | \$ 200,000          | 34.9        |                    |        |        |        |        |        |
| 186      | Schools          | Building                | Underwood School - Mechanical Upgrades   | Upgrade Distribution system, controls, and remove underground tank   | \$ 525,000          | 34.9        |                    |        |        |        |        |        |
| 187      | Public Buildings | Building                | City Hall - Repair Front 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        |                    |        |        |        |        |        |
| 188      | Schools          | Building                | Countryside School - Mechanical Upgrades                                       | Replace RTUs at Annex, Direct Digital Control conversion   | \$ 250,000          | 34.9        |                    |        |        |        |        |        |
| 189      | Schools          | Building                | Ward School - Mechanical Upgrades  | Replace second boiler and steam trap work.   | \$ 300,000          | 34.9        |                    |        |        |        |        |        |
| 190      | Schools          | Building                | 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        |                    |        |        |        |        |        |
| 191      | Police           | Building                | 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        |                    |        |        |        |        |        |
| 192      | DPW              | Large Vehicle/Equipment | 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        |                    |        |        |        |        |        |
| 193      | DPW              | Building                | 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.  | \$ 142,000          | 34.8        |                    |        |        |        |        |        |
| 194      | Public Buildings | Building                | 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 5th station of 7 buildings to be renovated. Work includes building envelope, interior finishes, mechanical, electrical, plumbing, life/safety, ADA upgrades. | \$ 205,000          | 34.7        |                    |        |        |        |        |        |
| 195      | Fire Dept        | Building                | Fire Station #1, Newton Corner - Renovation                                    | Hot water conversion w/renovation, 2nd boiler and distribution system.   | \$ 7,230,000        | 34.6        |                    |        |        |        |        |        |
| 196      | Schools          | Building                | Lincoln Elliot School - Mechanical Upgrades                                    | Replace existing cast iron radiators with new steam baseboard units. Remove and replace all old insulation on heating pipes. Potential abatement needed.   | \$ 525,000          | 34.6        |                    |        |        |        |        |        |
| 197      | Parks/Rec        | Building                | Emerson Community Center - Mechanical Upgrades                                 | Replace electrical panel. Replace exterior lighting to improve safety. Replace main electric service and wiring. Upgrade lighting to improve energy efficiency.  | \$ 75,000           | 34.6        |                    |        |        |        |        |        |
| 199      | Public Buildings | Building                | Waban Library-Electrical   | 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.  | \$ 108,000          | 34.5        |                    |        |        |        |        |        |
| 200      | Fire Dept        | Large Vehicle/Equipment | Replace Fire Dept Aerial Ladder (Ladder 2)                                     |  | \$ 1,000,000        | 34.4        |                    |        |        |        |        |        |



| Priority | Dept             | Asset Category           | Project Title  | Project Description / Justification   | Est Cost in FY2014 | Risk Factor | Prior. Year Funding | FY2014 | FY2015 | FY2016 | FY2017 | FY2018 |
|----------|------------------|--------------------------|--|---|--------------------|-------------|---------------------|--------|--------|--------|--------|--------|
| 202      | Fire Dept        | Building                 | Fire Station #2, West Newton - Repair Building Envelope        | Address structural crack in CMU wall first. Re-point/ repair exterior masonry.  | \$ 166,000         | 34.4        |                     |        |        |        |        |        |
| 203      | Parks/Rec        | Building                 | 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        |                     |        |        |        |        |        |
| 205      | Schools          | Building                 | Bowen School - Electrical Upgrades                             | Replace electrical panels and sub-panels in original buildings.   | \$ 75,000          | 34.2        |                     |        |        |        |        |        |
| 206      | Public Buildings | Building                 | Nonantum Library-Electrical                                    | Upgrade interior lighting and power distribution. Replace electrical panel and main electrical service.   | \$ 101,637         | 34.2        |                     |        |        |        |        |        |
| 208      | Parks/Rec        | Building                 | 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        |                     |        |        |        |        |        |
| 209      | Public Buildings | Building                 | Kenard Estate - Replace Septic System                          | Replace Septic System by connecting to City Sewer Infrastructure.   | \$ 100,000         | 34.0        |                     |        |        |        |        |        |
| 210      | Schools          | Building                 | Horace Mann School - Accessibility Upgrades                    | Upgrade toilet rooms, water fountains and door hardware for accessibility.  | \$ 220,000         | 33.9        |                     |        |        |        |        |        |
| 211      | DPW              | Large Vehicle/ Equipment | 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        |                     |        |        |        |        |        |
| 215      | Parks/Rec        | Parks / Open Space       | 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        |                     |        |        |        |        |        |
| 216      | Parks/Rec        | Building                 | Lower Falls Community Center - Electrical Upgrades             | Upgrade lighting and power distribution. Update fire alarm horn strobes and beacons.  | \$ 84,000          | 33.6        |                     |        |        |        |        |        |
| 217      | DPW              | Building                 | 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        |                     |        |        |        |        |        |
| 218      | Schools          | Building                 | Ward School - Electrical Upgrades                              | Upgrade electrical panels and distribution system.  | \$ 210,000         | 33.6        |                     |        |        |        |        |        |
| 219      | Parks/Rec        | Building                 | Emerson Community Center - Electrical Upgrades                 | Replace switchboard and increase service site to meet electrical demands. Replace original overloaded electrical panels. Install emergency audiotruss horn strobes.       | \$ 108,000         | 33.6        |                     |        |        |        |        |        |
| 222      | Library          | Information Technology   | Library Book Autocheckin/ Sorting System                       | Almost 2 million library materials/yr checked in automatically and sorted by material type  | \$ 210,000         | 33.5        |                     |        |        |        |        |        |
| 223      | DPW              | Large Vehicle/ Equipment | 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        |                     |        |        |        |        |        |
| 224      | Fire Dept        | Building                 | 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        |                     |        |        |        |        |        |
| 225      | DPW              | Building                 | 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        |                     |        |        |        |        |        |
| 226      | Police           | Building                 | 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        |                     |        |        |        |        |        |
| 227      | DPW              | Large Vehicle/ Equipment | DPW - Replace 1993 Bombardier Sidewalk Plow                    | Replacement of existing city vehicle/ equipment used to maintain clear sidewalks throughout the city during snow events. (#173)   | \$ 125,000         | 33.5        |                     |        |        |        |        |        |
| 228      | Senior Center    | Building                 | Senior Center - Sprinklers and Fire Alarm Upgrades             | Install code-compliant sprinkler system in building in conjunction with any major building upgrades or addition.  | \$ 170,000         | 33.4        |                     |        |        |        |        |        |
| 229      | Public Buildings | Building                 | 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        |                     |        |        |        |        |        |
| 230      | Schools          | Building                 | Ward School - Replace Roof                                     | Replace Flat Gym 1990's built up roofing system. It has reached its life expectancy.  | \$ 160,000         | 33.1        |                     |        |        |        |        |        |

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| Priority | Dept             | Asset Category          | Project Title  | Project Description / Justification  | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 |
|----------|------------------|-------------------------|--|--|--------------------|-------------|--------------------|---------|---------|---------|---------|---------|
| 231      | Schools          | Building                | Memorial Spaulding School - Replace Roof                         | Replace 1980's Built up roof area. It has reached its life expectancy.   | \$ 350,000         | 33.1        |                    |         |         |         |         |         |
| 232      | Parks/Rec        | Building                | 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        |                    |         |         |         |         |         |
| 233      | Public Buildings | Building                | Public Buildings Department-Electrical                           | Replace electrical distribution panels and main electrical service. Upgrade telcom and Electrical Infrastructure to BUCS and Electrical code. Replace interior lights to improve | \$ 118,000         | 33.1        |                    |         |         |         |         |         |
| 234      | Schools          | Building                | Bigelow School - Accessibility Upgrades                          | Upgrade toilet rooms, elevator, door hardware and signage for accessibility  | \$ 400,000         | 33.1        |                    |         |         |         |         |         |
| 235      | Public Buildings | Building                | 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                          | \$ 115,000         | 32.9        |                    |         |         |         |         |         |
| 236      | Parks/Rec        | Parks / Open Space      | Newton Upper Falls/ Braceland Playground - Design & Construction | Master Plan for park renovation - Construction will include new athletic fields, new play structure and site work and improvements.  | \$ 1,675,000       | 32.8        |                    |         |         |         |         |         |
| 238      | Parks/Rec        | Building                | Pelligrini Park Field House - Exterior Windows & Doors           | Replace windows and security screens with new insulated windows and new security screens. Repair and repaint masonry walls and restore murals.                                   | \$ 130,500         | 32.5        |                    |         |         |         |         |         |
| 240      | Parks/Rec        | Building                | 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                | \$ 160,500         | 32.4        |                    |         |         |         |         |         |
| 241      | Public Buildings | Building                | Kenard Estate-Building Envelope, Windows and Doors               | Replace wood windows and shutters with historic, appropriate units.  | \$ 240,000         | 32.3        |                    |         |         |         |         |         |
| 242      | Public Buildings | Building                | 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.                     | \$ 125,000         | 32.3        |                    |         |         |         |         |         |
| 243      | Parks/Rec        | Building                | 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        |                    |         |         |         |         |         |
| 244      | Schools          | Building                | Lincoln Elliot School- Replace Windows and Doors                 | Replace windows in 1965 addition and 1975 clerestory windows   | \$ 280,000         | 32.0        |                    |         |         |         |         |         |
| 245      | Fire Dept        | Large Vehicle/Equipment | Replace Fire Pumper Truck (Engine 7)                             | Replace Engine 7 pumper truck. Engine 7 will become a spare.   | \$ 600,000         | 32.0        |                    |         |         |         |         |         |
| 246      | Schools          | Building                | FA Day School - Accessibility Upgrades / Replace Elevator        | Upgrades for ADA Compliant elevator, toilet rooms, door hardware, and signage  | \$ 350,000         | 32.0        |                    |         |         |         |         |         |
| 247      | Police           | Building                | Police Garage - Roof Replacement                                 | Replace PVC roof installed in the 1980's as required. It has reached life expectancy. Repair water diverter above support service door.  | \$ 193,000         | 31.9        |                    |         |         |         |         |         |
| 248      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 249      | Parks/Rec        | Large Vehicle/Equipment | Replace Parks Dump Truck (replace 1998 truck #450)               | Replacement of vehicle that is used daily for maintenance operations that exceeded its useful life span.   | \$ 75,000          | 31.8        |                    |         |         |         |         |         |
| 250      | Schools          | Building                | Franklin School - Building Envelope                              | Replace windows and doors and repair/restore masonry.  | \$ 700,000         | 31.7        |                    |         |         |         |         |         |
| 251      | Parks/Rec        | Building                | 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        |                    |         |         |         |         |         |
| 252      | Police           | Building                | 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        |                    |         |         |         |         |         |
| 253      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 254      | Schools          | Building                | 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        |                    |         |         |         |         |         |

Newton FY14-FY18 CIP by PRIORITY

| Priority | Dept             | Asset Category          | Project Title  | Project Description / Justification  | Est. Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 |
|----------|------------------|-------------------------|--|--|---------------------|-------------|--------------------|---------|---------|---------|---------|---------|
| 256      | Fire Dept        | Large Vehicle/Equipment | 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        |                    |         |         |         |         |         |
| 257      | Parks/Rec        | Building                | Auburndale Cove Fieldhouse - Building Upgrades           | Project to fully upgrade existing building or replace with new structure.  | \$ 206,000          | 30.7        |                    |         |         |         |         |         |
| 258      | Public Buildings | Building                | 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        |                    |         |         |         |         |         |
| 259      | Parks/Rec        | Building                | Upper Falls Fieldhouse-Building Upgrades                 | Upgrade or replace building. Work includes lighting, toilet rooms, roofing and envelope repairs.   | \$ 123,000          | 30.3        |                    |         |         |         |         |         |
| 261      | Schools          | Building                | Franklin School - Mechanical Upgrades                    | Replace boilers, hot water conversion, and Direct Digital Control conversion.  | \$ 825,000          | 30.2        |                    |         |         |         |         |         |
| 262      | Schools          | Building                | Bowen School - Accessibility Upgrades                    | Upgrades to toilet rooms, signage, hardware, railings and assembly spaces for accessibility.   | \$ 200,000          | 30.1        |                    |         |         |         |         |         |
| 263      | Schools          | Building                | Franklin School - Accessibility and Plumbing Upgrades    | Upgrade Toilet rooms, Water fountains, Door hardware and signage for accessibility.  | \$ 365,000          | 30.1        |                    |         |         |         |         |         |
| 264      | Schools          | Building                | Mason Rice School - Accessibility Upgrades               | Upgrade hardware, toilet rooms, and water fountains for accessibility.   | \$ 185,000          | 30.1        |                    |         |         |         |         |         |
| 265      | Schools          | Building                | Memorial Spaulding School - Accessibility Upgrades       | Upgrade toilet rooms, door hardware, water fountains, and signage for accessibility.   | \$ 300,000          | 30.1        |                    |         |         |         |         |         |
| 266      | Schools          | Building                | Lincoln Eliot School - Accessibility Upgrades            | Upgrade toilet rooms, door hardware, elevator, entrance ramp, and signage for accessibility.   | \$ 940,000          | 30.1        |                    |         |         |         |         |         |
| 270      | DPW              | Building                | Elliot St. Operations Building - Replace Windows & Doors | Remove and replace windows. Replace overhead doors. Replace exterior and interior doors.   | \$ 80,000           | 29.9        |                    |         |         |         |         |         |
| 271      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 272      | Schools          | Building                | Underwood School - Electrical Upgrades                   | Upgrades to electrical panels and sub-panels and emergency generator   | \$ 100,000          | 29.6        |                    |         |         |         |         |         |
| 273      | Schools          | Building                | Williams School - Accessibility Upgrades                 | Upgrade door hardware, openings, toilet rooms, railings, and signage for accessibility.  | \$ 250,000          | 29.6        |                    |         |         |         |         |         |
| 275      | Parks/Rec        | Building                | Lower Falls Community Center - Replace Gym Floor         | Replace gym floor with new wood flooring. Replace damaged carpeting and VCT flooring.  | \$ 80,000           | 29.3        |                    |         |         |         |         |         |
| 277      | Parks/Rec        | Parks / Open Space      | Replace Cold Spring Park Tennis Courts                   | Replace 3 existing tennis courts at this location. Courts have deteriorated.   | \$ 150,000          | 28.7        |                    |         |         |         |         |         |
| 278      | Parks/Rec        | Parks / Open Space      | Replace Halloran Field Athletic Lighting (Albemarle)     | Replace the athletic lighting at the City's premier athletic complex   | \$ 150,000          | 28.4        |                    |         |         |         |         |         |
| 279      | Police           | Building                | 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        |                    |         |         |         |         |         |
| 280      | Schools          | Building                | Pelire School - Accessibility Upgrades                   | Upgrades to door hardware, toilet rooms, railings, and signage for accessibility.  | \$ 300,000          | 28.4        |                    |         |         |         |         |         |
| 284      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 285      | Schools          | Building                | Lincoln Eliot School - Electrical Upgrades               | Replace electric panels and sub-panels.  | \$ 125,000          | 26.7        |                    |         |         |         |         |         |
| 286      | Public Buildings | Building                | Auburndale Library - Electrical Upgrades                 | Electrical and lighting upgrades for code compliance and to improve energy efficiency. Replace electric panel.   | \$ 86,607           | 26.5        |                    |         |         |         |         |         |

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|----------|------------------|-------------------------|---|---|---------------------|-------------|--------------------|---------|---------|---------|---------|---------|
| 287      | Public Buildings | Building                | 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        |                    |         |         |         |         |         |
| 288      | Police           | Building                | 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 | \$ 140,000          | 26.4        |                    |         |         |         |         |         |
| 289      | Fire Dept        | Large Vehicle/Equipment | Replace Fire Dept Pumper Truck (Engine 4)             | Replace Engine 4. A 2010 pumper. Engine 4 will become a spare.  | \$ 600,000          | 26.2        |                    |         |         |         |         |         |
| 290      | Schools          | Building                | Peirce School - Electrical Upgrades                   | Replace electric panels and sub-panels.   | \$ 75,000           | 26.1        |                    |         |         |         |         |         |
| 291      | Schools          | Building                | Zervas School - Plumbing Upgrades                     | Upgrades toilet rooms and water fountains.  | \$ 100,000          | 26.1        |                    |         |         |         |         |         |
| 292      | Schools          | Building                | Burr School - Electrical Upgrades                     | Replace electric panels and sub-panels  | \$ 100,000          | 26.1        |                    |         |         |         |         |         |
| 293      | Parks/Rec        | Parks / Open Space      | Replace Cabot Park Tennis Courts                      | Replace two existing tennis courts at Cabot Park.   | \$ 100,000          | 26.0        |                    |         |         |         |         |         |
| 294      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 295      | Schools          | Building                | Countryside School - Plumbing Upgrades                | Upgrade toilet rooms and water fountains, and add fixtures per code requirements.   | \$ 125,000          | 26.0        |                    |         |         |         |         |         |
| 297      | Schools          | Building                | Horace Mann School - Mechanical Upgrades              | Replace 2nd boiler and replace modular roof top air handling units  | \$ 300,000          | 25.7        |                    |         |         |         |         |         |
| 298      | IT               | Information Technology  | Upgrade to Voice Over IP Phone System                 | Replace 12 year old phone systems with VOIP (data/voice) capable systems, allowing faster move-add-change and lower hardware costs.                             | \$ 250,000          | 28.2        |                    |         |         |         |         |         |
| 300      | Schools          | Building                | Ward School - Replace Windows and Doors               | Replace windows in gym wing and storefront system.  | \$ 425,000          | 25.6        |                    |         |         |         |         |         |
| 302      | Schools          | Building                | Countryside School - Replace Windows and Doors        | Replace single pane storefront system in connector and annex windows and exterior doors.  | \$ 500,000          | 25.3        |                    |         |         |         |         |         |
| 303      | Schools          | Building                | Brown School - Accessibility Upgrades                 | Upgrade existing elevator for code compliance, signage, hardware, and reconfigure locker rooms for accessibility.   | \$ 600,000          | 24.8        |                    |         |         |         |         |         |
| 304      | Schools          | Building                | Countryside School - Accessibility Upgrades           | Upgrade toilets, signage, door hardware, and accessible entrance.   | \$ 150,000          | 24.8        |                    |         |         |         |         |         |
| 306      | Fire Dept        | Large Vehicle/Equipment | 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        |                    |         |         |         |         |         |
| 309      | Schools          | Roads/Paving            | 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        |                    |         |         |         |         |         |
| 310      | Fire Dept        | Large Vehicle/Equipment | 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        |                    |         |         |         |         |         |
| 312      | Parks/Rec        | Parks / Open Space      | Replace Newton South High School Tennis Courts        | Replace existing courts at this location and lighting. Consider Private Public Partnership.   | \$ 750,000          | 23.3        |                    |         |         |         |         |         |
| 313      | DPW              | Building                | 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        |                    |         |         |         |         |         |
| 315      | DPW              | Building                | Elliot St. Garage - Roof Repair/Replacement           | Replace/repair EPDM roof. Replace damaged roof panels.  | \$ 91,000           | 22.2        |                    |         |         |         |         |         |
| 317      | IT               | Information Technology  | Build/Upgrade Data Center                             | Create consolidated industry standard data center(s). (HVAC, fire protection, virtual servers)  | \$ 300,000          | 21.8        |                    |         |         |         |         |         |

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| Priority                     | Dept       | Asset Category           | Project Title  | Project Description / Justification  | Est Cost in FY2014 | Risk Factor   | Prior Year Funding | FY2014     | FY2015       | FY2016       | FY2017       | FY2018 |
|------------------------------|------------|--------------------------|--|--|--------------------|---------------|--------------------|------------|--------------|--------------|--------------|--------|
| 87                           | DPW/ Water | Large Vehicle/ Equipment | 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          |                    |            | \$ 139,259   |              |              |        |
| 89                           | DPW/ Storm | 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          |                    |            | \$ 160,684   |              |              |        |
| 97                           | DPW/ Water | 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          |                    |            | \$ 4,455,050 |              |              |        |
| 98                           | DPW/ Sewer | 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 const (FY18) for Nonantum area.                         | \$ 4,505,355       | 40.2          |                    |            | \$ 631,138   | \$ 4,516,771 |              |        |
| 112                          | DPW/ Storm | Storm                    | Laundry Brook Culvert Repairs                                    | Repair of culverts along Laundry Brook to prevent flooding.  | \$ 643,000         | 38.0          |                    |            | \$ 712,906   |              |              |        |
| 115                          | DPW/ Water | Large Vehicle/ Equipment | 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          |                    |            | \$ 144,133   |              |              |        |
| 116                          | DPW/ Water | Large Vehicle/ Equipment | Replace 2008 Backhoe   | Replacement of existing city vehicle/ equipment used in water line repairs and maintenance (#328)  | \$ 120,000         | 37.8          |                    |            | \$ 133,046   |              |              |        |
| 120                          | DPW/ Sewer | 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          |                    |            |              |              | \$ 114,752   |        |
| 126                          | DPW/ Water | 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          |                    |            |              |              | \$ 4,675,697 |        |
| 129                          | DPW/ Water | 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          |                    |            |              |              | \$ 688,514   |        |
| 131                          | DPW/ Water | Large Vehicle/ Equipment | 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          |                    |            |              |              | \$ 149,178   |        |
| 141                          | DPW/ Storm | Storm                    | Pellegrini Park Drain Replacement                                | Replace existing pipe which has settled and is causing flooding.   | \$ 130,000         | 36.9          |                    |            |              |              | \$ 149,178   |        |
| 143                          | DPW/ Sewer | Large Vehicle/ Equipment | Replace 2005 Large Construction Vehicles                         | Replace vehicles/equipment used to haul materials for trenching/ backfilling for sewer line repairs. Also used for snow blowing (#366 and #367)                      | \$ 300,000         | 36.7          |                    |            |              |              | \$ 344,257   |        |
| 160                          | DPW/ Water | 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          |                    |            |              |              |              |        |
| 162                          | DPW/ Water | 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          |                    |            |              |              |              |        |
| 182                          | DPW/ Water | 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          |                    |            |              |              |              |        |
| 260                          | DPW/ Water | 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          |                    |            |              |              |              |        |
| 299                          | DPW/ Water | Building                 | DPW-Water/Utilities Department - Accessibility Upgrades          | Entrance ramp, toilet room and water fountain upgrades, door hardware, lift, etc to improve accessibility.   | \$ 240,000         |               |                    |            |              |              |              |        |
| 307                          | DPW/ Storm | 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          |               |                    |            |              |              |              |        |
|                              |            |                          |  |  | Sub-total:         | \$ 51,583,970 |                    |            |              |              |              |        |
| <b>OTHER FUNDING SOURCES</b> |            |                          |  |  |                    |               |                    |            |              |              |              |        |
| 11                           | Fire Dept  | Large Vehicle/ Equipment | Replace Fire Dept Rescue Truck                                   | Replace Special Ops 1994 Ford w/ 174K miles. Truck needed for specialized rescue, with specialized tools and equipment.  | \$ 600,000         |               |                    | \$ 600,000 |              |              |              |        |

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| Priority          | Dept             | Asset Category          | Project Title  | Project Description / Justification   | Est Cost in FY2014 | Risk Factor | Prior Year Funding | FY 2014 | FY2015 | FY2016     | FY2017    | FY2018 |
|-------------------|------------------|-------------------------|--|---|--------------------|-------------|--------------------|---------|--------|------------|-----------|--------|
| 85                | Parks/Rec        | Large Vehicle/Equipment | 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        |                    |         |        | \$ 176,752 |           |        |
| 91                | Schools          | Building                | 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        |                    |         |        |            | \$ 55,436 |        |
| 92                | DPW              | Roads/ Paving           | 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        |                    |         |        |            |           |        |
| 107               | Fire Dept        | Large Vehicle/Equipment | Replace Fire Department SCBA Gear                        | Replace the department Self Contained Breathing Apparatus (SCBA), purchased in FY 2007.   | \$ 350,000         | 38:3        |                    |         |        |            |           |        |
| 207               | Parks/Rec        | Large Vehicle/Equipment | Tree Crew Log Loader                                     | Current equipment has been in service since 2006. Essential for emergency response and hazardous tree removal.  | \$ 240,000         | 34:1        |                    |         |        |            |           |        |
| 301               | Public Buildings | Building                | Kennard Estate-Accessibility/Site                        | Provide accessible parking spaces and install accessible entrance ramp.   | \$ 127,350         | 25:5        |                    |         |        |            |           |        |
| <b>Sub-total:</b> |                  |                         |  |   | \$ 3,716,350       |             |                    |         |        |            |           |        |

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