#### CITY OF NEWTON

## **IN BOARD OF ALDERMEN**

#### PUBLIC FACILITIES COMMITTEE BUDGET AGENDA

THURSDAY, MAY 8, 2014

7:00 PM Room 209

## PLEASE BRING YOUR BUDGET AND CIP BOOKS

## **BUDGET & CIP DISCUSSIONS:**

**Public Works Department** 

# REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

#403-13(2) HIS HONOR THE MAYOR submitting in accordance with Section 5-1 of the City of Newton Charter the FY15 Municipal/School Operating Budget totaling \$345,044,967 passage of which shall be concurrent with the FY15-FY19 Capital Improvement Program (#403-13). [04/14/14 @ 5:43 PM]

EFFECTIVE DATE OF SUBMISSION 04/22/14; LAST DATE TO PASS THE BUDGET 06/06/14

# REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

#403-13 <u>HIS HONOR THE MAYOR</u> submitting the FY15-FY19 Capital Improvement Plan and Long Range Projection pursuant to section 5-3 of the Newton City Charter. [10/21/13 @ 9:59 AM]

Respectfully submitted,

Deborah Crossley, Chairman

The location of this meeting is handicap accessible and reasonable accommodations will be provided to persons requiring assistance. If you need a special accommodation, please contact the Newton ADA Coordinator, Joel Reider, at least two days in advance of the meeting: <a href="mailto:jreider@newtonma.gov">jreider@newtonma.gov</a> . or 617-796-1145. For Telecommunications Relay Service dial 711.



# City of Newton, Massachusetts Office of the Mayor

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swarren@newtonma.gov

April 14, 2014

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

Re: Updated FY15-FY19 Capital Improvement Plan (CIP)

#### Ladies and Gentlemen:

I submit for your approval, the FY15-19 CIP as updated. In October 2013, the CIP was submitted for your review and public hearing. Since that time, we have posted the document on the website, discussed the various projects with the public and the Honorable Board, and made adjustments based on additional information. In time to vote the FY15 budget, I am providing this updated version so that you have the most current priorities of our buildings, roads, parks, and motorized equipment.

Enclosure A provides the summary of the nine projects reviewed by the CIP Steering Committee and either added or altered in the FY15-19 CIP. Additionally, a completely updated CIP is provided illustrating the relative priorities to all projects. For your convenience, the most up-todate version of the CIP is posted on our City's website under the Building Department's "Capital Improvement Plan", sorted by priority, funding source, and asset type.

Thank you for your consideration of this important matter.

Setti D. Warren Mayor

Sinder

Encl.

Cc: Dori Zaleznik, Chief Administrative Officer Maureen Lemieux, Chief Financial Officer

# Changes to FY15-FY19 CIP

<u>Project</u>	<u>Department</u>	<u>Description</u>	Est Cost (FY15)	<u>Priority</u>
Lighting on City Hall Grounds (NEW)	Parks and Recreation	Install pedestal lighting on the outer perimeter circle drives both at the front of the Hall and the War Memorial for safety/security.	\$150,000	5
Improvements to City Hall War Memorial	Buildings	Heating, Cooling, Electrical and Plumbing to enhance the public use of the facility year round	\$150,000	6
Energy Reduction Measures in City Buildings	Buildings	Energy modifications in lighting, heating systems, and building envelope to conserve energy and provide for improved comfort level of occupants.	\$5,000,000	7
Heavy Construction Trucks	DPW	Change in 2 vehicle types and cost (+\$30,000)	\$340,000	20
Manet Road Reservoir Acquisition	Parks and Recreation	State surplus of the reservoir and passage of Home Rule to allow the City first right of refusal for acquisition. Intention is to create a community park and open space resource	\$800,000	24
10 Wheel Construction Truck	DPW/Sewer	Change in vehicle type and cost (-\$60,000)	\$180,000	25
Solar Panel Installation on City Hall (NEW)	Buildings	Provide clean energy for approximately half of the demand for electricity consumed at City Hall (48kW).	\$220,000	29
Cyrstal Lake Community Center	Parks and Recreation	Replacement of the 1950 bath house with a year round facility for community events and meetings.	\$8,000,000	138
Farlow and Cafflin Parks Historic Landscape Preservation Plan	Parks and Recreation	Change in priority due to savings in irrigation	\$640,000	205

# FY2015-2019 CIP by Priority

# ESCALATED COSTS (Costs in FY2016-2019 are escalated 3.5% a year)

		_	·					BUDGET DISTRIBUTION						Total	Total	Total	Total	Total	
									3.	.5% Cost Escal	ation Factor L	Jsed		3.5%	\$ 54,479,015	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding		FY2015	FY2016	FY2017		FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
1	Schools	Angier School Replacement	\$11M 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	63.1	Bonding /MSBA	\$ 2,500,000	\$	19,500,000	\$ 15,500,000	\$	-			\$ 19,500,000	\$ 16,042,500			
2	Fire Dept	Fire Station #3 & HQs - Renovate/Replace Newton Centre Station	Station #3 needs major repairs/upgrades. Co-located w/ Fire HQs. Upgrade systems for code compliance, access & female firefighters.	\$ 15,386,000	55.1	Bonding	\$ 500,000	\$	2,000,000	\$ 7,500,000	\$ 5,386,00	00			\$ 2,000,000	\$ 7,762,500	\$ 5,769,618		
3	Fire Dept	Fire Station #10 & Wires Div (Dedham St) - rebuild w/added training facility for confined space	Project addresses aging building systems, code upgrades, access and accommodations for female firefighters. Wires Division merged @ \$2.1M. Confined space training added.	\$ 6,372,000	50.3	Bonding	\$ 1,000,000	\$	5,372,000						\$ 5,372,000				
4	Schools	Cabot School Renovation	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.	\$ 45,000,000	50.0	Bonding /MSBA		\$	1,000,000	\$ 2,500,000	\$ 25,000,00	00 \$	16,500,000		\$ 1,000,000	\$ 2,587,500	\$ 26,780,625	\$ 18,293,845	
5	Parks/Rec	Pedestal Perimeter Lighting at City Hall	Perimeter lighting is deficient at both the front and rear circlular drives where residents and employees exit during hours of darkness.	\$ 150,000	49.6	Bonding		\$	150,000						\$ 150,000				
6	Public Building	War Memorial Improvements	Improve heating, cooling and plumbing of the War Memorial for use year round for public events.	\$ 150,000	49.2	Bonding		\$	150,000						\$ 150,000				
7	Public Building	Energy Efficiency Upgrades to City/School Buildings	Project includes energy conservation measures at Library, Franklin, Underwood, Cabot Schools thru NSTAR preferred vendor program.	\$ 5,500,000	49.1	Energy Stabilztn Fund	\$ 500,000	\$	5,000,000						\$ 5,000,000	#VALUE!	#VALUE!	#VALUE!	#VALUE!
8	Schools	Zervas School - Renovation/ 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	Bonding /MSBA	\$ 1,000,000	\$	5,000,000	\$ 25,000,000	\$ 9,000,00	00			\$ 5,000,000	\$ 25,875,000	\$ 9,641,025		
9	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	\$	3,337,875						\$ 3,337,875				
10	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 defficient.	\$ 4,356,315	48.3	Enterprise Funds		\$	4,356,315						\$ 4,356,315				
11	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		\$	500,000	\$ 300,000	\$ 300,00	00			\$ 500,000	\$ 310,500	\$ 321,368		
12	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		\$	300,000						\$ 300,000				
13	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 PI, Newtonville, Daniel, Ridge,	\$ 3,032,150	47.6	Chapt 90/ Alt Funds		\$	3,032,150						\$ 3,032,150				
14	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		\$	1,257,525	\$ 5,252,625					\$ 1,257,525	\$ 5,436,467			
15	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.	\$ 150,000	47.1	Bonding		\$	150,000						\$ 150,000				
16	DPW/ Water	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.	\$ 77,650	47.0	Enterprise Funds		\$	77,650						\$ 77,650				
17	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.	\$ 127,500	46.9	Bonding		\$	127,500						\$ 127,500				
18	DPW/ Water	Replace Water-Sewer Construction Truck	Replacement of 2002 city vehicle used for construction work on City water mains and for snow removal/sanding operations. Life span of vehicles is 15 yrs (#311).	\$ 135,000	46.5	Enterprise Funds		\$	135,000						\$ 135,000				
19	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	\$ 25,000	\$	100,000	\$ 175,000					\$ 100,000	\$ 181,125			
20	DPW	DPW - Replace Large Construction Trucks	construction work.	\$ 340,000	46.3	Bonding		\$	340,000						\$ 340,000				
21	Parks/Rec	Newton Centre Playground- last phase of 6 phase accessibility project	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	\$	45,000						\$ 45,000				
22	Public Building	City Hall - Plumbing and Accessiblity Improvements	Upgrade toilet rooms for improved accessibility as required by code.	\$ 105,000	45.9	Bonding		\$	105,000						\$ 105,000				
23	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						\$ 150,000				
24	Parks/Rec	Purchase Manet Road MWRA Resevoir	allow purchase. Interest by the community to retain open	\$ 850,000	45.8	CPA Eligible	\$ 30,000	\$	820,000						\$ 820,000				
25	DPW/ Sewer		Replacement of vehicle/ equipment used to clear out blockages in the sewer system to prevent sewer backups. (#369).	\$ 240,000	45.8	Enterprise Funds		\$	240,000						\$ 240,000				
26	DPW	Traffic Light Improvements on Washingston St Intersections (W Newton)	Upgrade traffic signals on Washington St at Waltham/Watertown/Chestnut/Cherry/Highland intersections to improve safety, visibility.	\$ 138,000	45.7	Chapt 90/ Alt Funds		\$	138,000						\$ 138,000				
27	DPW/ Storm		Storm drain pipe has partially collapsed and requires repair to prevent flooding.	\$ 210,000	45.6	Enterprise Funds		\$	210,000						\$ 210,000				
28	DPW/ Water		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		\$	100,000						\$ 100,000				

Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk	Funding	Prior Year						FY2015	FY2016	FY2017	FY2018	FY2019
	ublic Buildines	Solar Collectors on City Hall	Electricity generation from solar panels installed on the south facing roof of City Hall. Anticipated about 40kW	\$ 220,000	Factor 45.6	Source	Funding	\$ 220,000	FY2016	FY2017	FY2018	FY2019	\$ 220,000				
		Street Paving - Cold Plane and Pave 21	system or about 50% of the bldg load.  Streets include Vernon, Eldredge, Elmwood, Beacon,			Chapt 90/ Alt		-					,				
30		Streets	Pembroke, Durant, Hanson, Bishopsgate, Hammondswood, Monadnock, Otis, Adams, Circuit, Converse, Ruthven, Provide appropriate curb cuts to comply with federal ADA	\$ 3,200,000	45.6	Funds			\$ 3,200,000					\$ 3,312,000			
31	DPW	Handicap curbcut access to sidewalks	requirements and to provide safe, accessible means to and from City sidewalks.	\$ 65,000	45.5	CDBG Eligible		\$ 65,000					\$ 65,000				
32	Fire Dept	Replace Fire Dept Pumper Truck in Newton Corner (Engine 1)	Replace 1999 Pumper Truck exceeding NFPA 15-yr life expectancy; will replace a 1992 spare engine.	\$ 650,000	45.4	Bonding			\$ 650,000					\$ 672,750			
33 D	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.	\$ 4,321,500	45.1	Enterprise Funds			\$ 4,321,500					\$ 4,472,753			
34	Schools	Ed Center - Electrical Upgrades	Upgrade electric service, panels and sub-panels to support IT server room and other building functions.	\$ 242,000	44.6	Bonding			\$ 242,000					\$ 250,470			
35 D	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.	\$ 4,370,000	44.3	Enterprise Funds			\$ 610,000	\$ 3,760,000				\$ 631,350	\$ 4,027,806		
36	Schools	Education Center - Exterior Masonry Work	Repair, repoint and clean exterior masonry. This is Phase II of work begun in FY13.	\$ 200,000	44.1	Bonding	\$ 80,000		\$ 120,000					\$ 124,200			
37 Pul	ublic Buildings	City Hall - Envelope - Masonry Repairs	On-going program to repair and repoint exterior masonry to preserve building envelope. Address worst areas first.	\$ 253,000	44.0	Bonding	\$ 120,000		\$ 133,000					\$ 137,655			
38	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.	\$ 80,000	43.8	Bonding			\$ 80,000					\$ 82,800			
39	Schools	FA Day School - Replace Boilers	Replace two 60 year old boilers and variable air volume (VAV) coil work.	\$ 495,000	43.8	Bonding			\$ 388,000	\$ 107,000				\$ 401,580	\$ 114,621		
40	DPW	DPW - Replace 1985 Excavator	Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#110) Beyond usefull life expectancy.	\$ 280,000	43.8	Bonding			\$ 280,000					\$ 289,800			
41 P	DPW/ Sewer	Prairie Avenue Sewer Pump Station	Station built 1950, rehabbed in 1992. Contains 2 (5 hp) pumps. Replace wet well.	\$ 110,000	43.7	Enterprise Funds			\$ 110,000					\$ 113,850			
42 Pul	ublic 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			\$ 270,000	\$ 155,000				\$ 279,450	\$ 166,040		
43	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.	\$ 160,000	43.6	Bonding			\$ 160,000					\$ 165,600			
44	Schools	Horace Mann School - Replace Roof	Replace Total Building 1986 Built up roof area. Roof has reached its life expectancy.	\$ 400,000	43.5	Bonding			\$ 400,000					\$ 414,000			
45 Pul	ublic 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		\$ 500,000	\$ 525,000				\$ 500,000	\$ 543,375			
46	DPW	Traffic Light Improvements at Watertown  @ Adams/Chapel St Intersection	Upgrade traffic signal and intersection at Watertown and Adams/Chapel Rd to improve safety and visibility.	\$ 248,000	42.0	Chapt 90/ Alt Funds			\$ 248,000					\$ 256,680			
47	DPW	Traffic Light Improvements at Cherry @ Webster/Derby St Intersection	Upgrade traffic signal and intersection at Cherry and Webster/Derby St to improve safety and visibility.	\$ 210,000	42.0	Chapt 90/ Alt Funds			\$ 210,000					\$ 217,350			
48	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.	\$ 220,000	41.8	Other			\$ 220,000					\$ 227,700			
49	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					\$ 155,250			
50 D	DPW/ Sewer	Replace Sewer Jet Truck	Replace 2001 vehicle/ equipmt used to haul materials for treching / backfilling for sewer line repairs. Also used for snow removal. (#365)	\$ 240,000	41.0	Enterprise Funds			\$ 240,000					\$ 248,400			
51 D	DPW/ Water	Replace Heavy Construction Truck	Replacement of 2004 truck 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			\$ 130,000					\$ 134,550			
52	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					\$ 258,750			
53		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			\$ 150,000					\$ 155,250			
54	ΙT	City Emergency Operations Center	Design/construct a state-of-the-art response center in conjunction with HQs Fire Station. Technology center for detailed information for emergency incidents from which	\$ 250,000	40.8	Bonding			\$ 650,000					\$ 252,372			
55	Schools	Bigelow School - Mechanical Upgrades	Two boilers are 54 years old and beyond their useful life. Replace one boiler, storage, and enhance circulation system.	\$ 450,000	40.8	Bonding				\$ 450,000					\$ 482,051		
56	DPW	Handicap curbcut access to sidewalks	Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks.	\$ 63,500	40.5	CDBG Eligible				\$ 63,500					\$ 68,023		
57	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			\$ 234,000						\$ 242,190		
58	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				\$ 400,000					\$ 428,490		

Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017 FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
59	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.	\$ 4,018,000	40.2	Enterprise Funds		F12013	F12010	\$ 4,018,000	F12019			\$ 4,304,182		
60	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.	\$ 4,500,000	40.2	Enterprise Funds				\$ 600,000 \$ 3,900	000			\$ 642,735	\$ 4,324,000	
61	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				\$ 150,000				\$ 160,684		
62	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				\$ 217,000				\$ 232,456		
63	DPW	Traffic Light Improvements at Dedham @ Nahanton St Intersection	Upgrade traffic signal and intersection at Watertown and Adams/Chapel Rd to improve safety and visibility.	\$ 219,000	39.7	Chapt 90/ Alt Funds				\$ 219,000				\$ 234,598		
64	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,	\$ 3,100,000	39.6	Chapt 90/ Alt Funds				\$ 3,100,000				\$ 3,320,798		
65	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	39.3	Bonding				\$ 163,000				\$ 174,610		
66	DPW	Replace Gath/Albemarle Foot Bridge	Footbridge structure (steel and abutement) is in poor condition and is not wheelchair accessible.	\$ 150,000	39.2	CDBG Eligible				\$ 150,000				\$ 160,684		
67	DPW	Map Scanning Project for Engineering: 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				\$ 100,000				\$ 107,123		
68	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				\$ 943,000				\$ 1,010,165		
69	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.	\$ 420,000	38.9	Enterprise Funds	\$ 120,000			\$ 150,000 \$ 150	000			\$ 160,684	\$ 166,308	
70	Fire Dept	Replace Fire Department SCBA Gear	Replace the department Self-Contained Breathing Apparatus (SCBA), purchased in FY 2007.	\$ 350,000	38.3	Other				\$ 350,000				\$ 374,929		
71	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				\$ 386,000				\$ 413,493		
72	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				\$ 87,000				\$ 93,197		
73	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				\$ 133,903		
74	DPW/ Storm	Laundry Brook Culvert Repairs	Repair of culverts along Laundry Brook to prevent flooding.	\$ 643,000	38.0	Enterprise Funds				\$ 643,000				\$ 688,798		
75	Schools	Newton South High School - Mechanical Upgrades	Replace air handlers and roof top equipment, replace hydronic/ACCU system due to burner failures and outdated controls.	\$ 400,000	37.8	Bonding				\$ 400,000				\$ 428,490		
76	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				\$ 160,684		
77	DPW	DPW - Replace Large Construction Trucks	construction work.	\$ 300,000	37.8	Bonding				\$ 300,000				\$ 321,368		
78	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				\$ 130,000				\$ 139,259		
79	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				\$ 120,000				\$ 128,547		
80	Public Building	Newton South High School- Controls for HVAC and recommissioning	Install Delta Controls which are incompatible with newer technology. Improve efficiencies by balancing air supply and hydronic systems.	\$ 500,000	37.8	Bonding				\$ 500,000				\$ 535,613		
81	Public Building	Auburndale Library - Building Envelope an Roof	Repair broken roof slates. Reflash where leaks are d cocurring. Repair/replace gutters and downspouts. Pitch rain leaders away from bldg. Repair concrete ramp. Grout	\$ 128,000	37.7	CPA Eligible				\$ 128	000				\$ 141,916	
82	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,	\$ 2,900,000	37.7	Chapt 90/ Alt Funds				\$ 3,200	000				\$ 3,547,897	
83	Schools	Ed Center - Mechanical Upgrades	Replace boiler, second boiler and hot water conversion in out years. Boilers are 35 years old.	\$ 250,000	37.6	Bonding				\$ 250	000				\$ 277,179	
84	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.  Provide appropriate curb cuts to comply with federal ADA	\$ 100,000	37.6	Enterprise Funds				\$ 100	000				\$ 110,872	
85	DPW	Handicap curbcut access to sidewalks	requirements and to provide safe, accessible means to and from City sidewalks.	\$ 63,500	37.5	CDBG Eligible				\$ 63	500				\$ 70,404	
86	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				\$ 110	000				\$ 121,959	
87	Public Building	s Waban Library-Roofs	Remove slate and install new slate roof, gutters and downspouts.  Provide a secure, evironmentally controlled environment	\$ 252,000	37.4	CPA Eligible				\$ 252	000				\$ 279,397	
88	IT	Consolidated Data Center	Provide a secure, evironmentally controlled environment for equipment necessary to support City operations in efficient manner.	\$ 250,000	37.4	Bonding				\$ 450	000				\$ 498,923	

Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	EV2045	EV2046	EV2047	EV2040	EV2040	FY2015	FY2016	FY2017	-	2018	FY2019
89	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	runung	FY2015	FY2016	FY2017	\$ 600,0	<b>FY2019</b>				\$	665,231	
90	Public Buildings	City Hall - Roof Repair/Replacement	Install new membrane roof on flat roofs. Repair/replace gutters on balcony roofs. Replace metal roofing/flashing as reg'd.	\$ 226,218	37.3	Bonding					\$ 226,2	8				\$	250,812	
91	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					\$ 4,074,6	00				\$ 4,	517,582	
92	Schools	Newton South High School - Fire Alarm Upgrades	Upgrade fire alarm system to be fully addressable.	\$ 150,000	37.3	Bonding					\$ 150,00	00				\$	166,308	
93	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					\$ 600,0	00				\$	665,231	
94	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					\$ 140,00	00				\$	155,221	
95	DPW	Traffic Light Improvements at Harvard Street at Newtonville St Intersection	Upgrade traffic signal and intersection on Harvard St at Newtonville Street to improve safety, visibility.	\$ 81,000	37.1	Chapt 90/ Alt Funds					\$ 81,0	00				\$	89,806	
96	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					\$ 130,0	00				\$	144,133	
97	DPW	Traffic Light Improvements at Pearl Street at Jackson St Intersection	street to improve safety, visionity and ribit compilance.	\$ 81,000	37.1	Chapt 90/ Alt Funds					\$ 81,0	00				\$	89,806	
98	DPW	Handicap curbcut access to sidewalks	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					\$ 63,5	00				\$	70,404	
99	Schools	Ed Center - Accessibility Upgrades	Upgrade elevator, door hardware, and signage for accessibility.	\$ 100,000	37.1	Bonding					\$ 100,0	00				\$	110,872	
100	Schools	Burr School - Accessibility Upgrades	Upgrade entrance ramp, elevator, toilet rooms, and door hardware for accessibility.	\$ 100,000	37.1	Bonding					\$ 100,00	00				\$	110,872	
101	Parks/Rec	Newton Highlands Playgrnd - Ph I Design & Construction	Phase I of 2008 Master Plan for park renovation. Addresses drainage problems & builds new ball fields and courts. Highly used park.	\$ 1,970,000	37.1	CPA Eligible	\$ 320,000				\$ 1,650,0	00				\$ 1,	829,384	
102	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					\$ 150,0	00				\$	166,308	
103	DPW/ Storm	Pellegrini Park Drain Replacement	Replace existing pipe which has settled and is causing flooding.	\$ 130,000	36.9	Enterprise Funds					\$ 130,0	00				\$	144,133	
104	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					\$ 150,00	00				\$	166,308	
105	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	36.7	Bonding						\$ 500,000						\$ 573,762
106	DPW/ Sewer	Replace two Large Construction Vehicles	Replace 2005 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					\$ 300,0	00				\$	332,615	
107	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						\$ 200,000						\$ 229,505
108	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						\$ 250,000						\$ 286,881
109	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	36.3	Bonding						\$ 1,215,000						\$ 1,394,240
110	Public Buildings	City Hall - Electrical Upgrades	Replace emergency generator and electrical upgrades.	\$ 225,000	36.3	Bonding						\$ 225,000						\$ 258,193
111	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												
112	DPW/ Sewer	Sewer Inflow /Infiltration Project - Nonantum Area	Part of 12 yr 549.1 M program to remove excess inflow and infiltration into sewer system. Design (FY17) and constr (FY18) for Nonantum area.	\$ 4,500,000	36.2	Enterprise Funds					\$ 600,0	3,900,000				\$	642,735	\$ 4,324,000
113	Schools	Ward School - Accessibility Improvements	Future building renovation will address hardware, toilets, elevator, etc. (stage access, railings signage, water fountains).  Remove fuel storage tanks and convert to gas. Other	\$ 1,480,000	36.2	Bonding												
114	Fire Dept	Fire Station #2, West Newton - Mechanical Upgrades		\$ 140,000	36.2	Bonding												
115	DPW/ Water	Clean and Line Water Pipes to Improve Water Quality	quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,074,600	36.2	Enterprise Funds						\$ 4,074,600						\$ 4,517,582
116	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												
117	Schools	Mason Rice School - Electrical Upgrades	Replace emergency generator, electrical panels and sub- panels.	\$ 325,000	36.1	Bonding												
118	Schools	Pierce School - Plumbing Upgrades	Sanitary piping is deteriorating. Upgrades to toilet rooms and water fountains	\$ 225,000	36.0	Bonding												

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
119	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	36.0	Other											
120	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											
121	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,	\$ 2,900,000	35.9	Chapt 90/ Alt Funds						\$ 2,900,000					\$ 3,215,282
122	Schools	Bigelow School - Roof Replacement	Replace entire building roof system. Roof is beyond its useful life.	\$ 750,000	35.9	Bonding											
123	Schools	Burr School - Replace Roof	Replace the total building roofing system installed in the 1980's.	\$ 450,000	35.9	Bonding											
124	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											
125	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											
126	Public Buildings	City Hall - Masonry Restoration of War Memorial Steps	Implement recommendations from 2007 Study of the Memorial Stairs.	\$ 185,000	35.7	CPA Eligible											
127	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											
128	Schools	Mason Rice School - Mechanical Upgrades	Direct Digital Controls conversion and upgrade heating distribution system.	\$ 450,000	35.6	Bonding											
129	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											
130	Schools	Bowen School - Mechanical Upgrades	Replace interior air handlers in first year. Direct Digital Controls conversion.	\$ 325,000	35.5	Bonding											
131	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											
132	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											
133	Schools	Bigelow School - Replace Windows and Doors	Replace aging windows and exteror doors to improve comfort, operation, and energy efficiency.	\$ 400,000	35.4	Bonding											
134	Schools	Underwood School - Accessibility Upgrades	Tollets, and Elevator	\$ 415,000	35.4	Bonding											
135	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											
136	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											
137	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											
138	Parks/Rec	Crystal Lake Bathhouse - Renovate/Replace	Existing bathhouse is in poor condition and is not accessible. Renovate/Replace bathhouse and improve site.	\$ 8,000,000	35.2	CPA Eligible											
139	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											
140	Schools	Underwood School - Replace Roof	Replace whole building roof in 2 phases.	\$ 450,000	35.1	Bonding											
141	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											
142	Schools	Newton South High School - Electrical Upgrades	Upgrades to Lighting and controls	\$ 150,000	35.1	Bonding											
143	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											
144	Parks/Rec	Replace Weeks Playground Tennis Courts	Replace 4 existing tennis courts at Weeks Playground.	\$ 220,000	35.1	Bonding											
145	Parks/Rec	Replace McGrath Playgound (Warren) Tennis Courts	Replace 4 existing tennis courts at McGrath Playground (Warren).	\$ 220,000	35.1	Bonding											
146	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											
147	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											
148	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											

Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
149	Schools	Williams School - Mechanical Upgrades	Replace Air handlers. Direct Digital Controls conversion for HVAC system.	\$ 200,000	34.9	Bonding											
150	Schools	Underwood School - Mechanical Upgrades	Upgrade Distribution system, controls, and remove underground tank.	\$ 525,000	34.9	Bonding											
151 Pu	ublic Buildings	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	Bonding											
152	Schools	Countryside School - Mechanical Upgrades	Replace RTUs at Annex, Direct Digital Control conversion	\$ 250,000	34.9	Bonding											
153	Schools	Ward School - Mechanical Upgrades	Replace second boiler and steam trap work.	\$ 300,000	34.9	Bonding											
154	Schools	Bigelow School - Mechanical Upgrades	Replace 2nd boiler (54 yrs old) and associated equipment, distribution, univents and full DDC system.	\$ 960,000	34.9	Bonding											
155	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											
156	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											
157	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											
158 Pu	ublic 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											
159	Fire Dept	Fire Station #1 (Newton Corner) - Renovation	Sth 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											
160	Schools	Lincoln Eliot School - Mechanical Upgrades	Hot water conversion w/renovation, 2nd boiler and distribution system.	\$ 525,000	34.6	Bonding											
161	Parks/Rec	Emerson Community Center - Mechanical Upgrades	heating pipes. Potential abatement needed.	\$ 75,000	34.6	Bonding											
162	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											
163 Pu	ublic 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											
164	Fire Dept	Replace Fire Dept Aerial 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											
165		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											
166	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											
167	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											
168	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											
169	Schools	Bowen School - Electrical Upgrades	Replace electrical panels and sub-panels in original buildings.	\$ 75,000	34.2	Bonding											
170 Pu	ublic Buildings	Nonantum Library-Electrical	Upgrade interior lighting and power distribution. Replace electrical panel and main electrical service.	\$ 101,637	34.2	Bonding											
171	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											
172	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											
173 Pu	ublic Buildings	Kennard Estate - Replace Septic System	Replace Septic System by connecting to City Sewer Infrastructure.	\$ 100,000	34.0	Bonding											
174	Schools	Horace Mann School - Accessibility Upgrades	Upgrade toilet rooms, water fountains and door hardware for accessibility.	\$ 220,000	33.9	Bonding											
175	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. Develop plans to expand archival storage to accommodate	\$ 172,000	33.9	Bonding											
176 Pu		City Hall - Increase City Clerk Archive Storage		\$ 100,000	33.8	CPA Eligible											
177 Pu	ublic 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											
178 Pu	ublic 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											

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
179	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											
180	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											
181	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											
182	Schools	Ward School - Electrical Upgrades	Upgrade electrical panels and distribution system.	\$ 210,000	33.6	Bonding											
183	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											
184	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											
185	DPW	Washington Street (Commonwealth	Eliminate deteriorated roadway condition and improve public safety. Arterial minor. Federal funds for constronly. Design funded by City.	\$ 500,000	33.6	Chapt 90/ Alt Funds											
186	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											
187	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											
188	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											
189	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											
190	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											
191	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											
192	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											
193	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											
194	Schools	Memorial Spaulding School - Replace Roof	Replace 1980's Built up roof area. It has reached its life expectancy.	\$ 350,000	33.1	Bonding											
195	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											
196	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											
197	Schools	Bigelow School - Accessibility Upgrades	Upgrade toilet rooms, elevator, door hardware and signage for accessibility	\$ 400,000	33.1	Bonding											
198	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											
199	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											
200	Senior Center	Senior Center - Exterior Windows & Doors	Restore/Replace wood windows and aluminum storm windows as historically appropriate.	\$ 125,000	32.7	CPA Eligible											
201	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											
202	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											
203	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											
204	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											
205	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	32.3	CPA Eligible	\$ 52,000										
206	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											
207	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											
208	Schools	Lincoln Eliot School - Replace Windows and Doors	Replace windows in 1965 addition and 1975 clerestory windows	\$ 280,000	32.0	Bonding											
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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
209	Fire Dept	Replace Fire Pumper Truck (Engine 7)	Replace Engine 7 pumper truck. Engine 7 will become a spare.	\$ 600,000	32.0	Bonding											
210	Schools	FA Day School - Accessibility Upgrades / Replace Elevator	Upgrades for ADA Compliant elevator, toilet rooms, door hardware, and signage	\$ 350,000	32.0	Bonding											
211	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											
212	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											
213	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											
214	Schools	Franklin School - Building Envelope	Replace windows and doors and repair/restore masonry.	\$ 700,000	31.7	Bonding											
215	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											
216	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											
217	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											
218	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											
219	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 alrams, radio and phone systems.	\$ 60,000	30.9	Bonding											
220	Parks/Rec	Auburndale Cove Fieldhouse - Building Upgrades	Project to fully upgrade existing building or replace with new structure.	\$ 206,000	30.7	Bonding											
221	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											
222	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											
223	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											
224	Schools	Franklin School - Mechanical Upgrades	Replace boilers, hot water conversion, and Direct Digital Control conversion.	\$ 825,000	30.2	Bonding											
225	Schools	Bowen School - Accessibility Upgrades	Upgrades to toilet rooms, signage, hardware, railings and assembly spaces for accessibility.	\$ 200,000	30.1	Bonding											
226	Schools	Franklin School - Accessibility and Plumbing Upgrades	Upgrade Toilet rooms, Water fountains, Door hardware and signage for accessibility.	\$ 365,000	30.1	Bonding											
227	Schools	Mason Rice School - Accessibility Upgrades	Upgrade hardware, toilet rooms, and water fountains for accessibility.	\$ 185,000	30.1	Bonding											
228	Schools	Memorial Spaulding School - Accessibility Upgrades	Upgrade toilet rooms, door hardware, water fountains, and signage for accessibility.	\$ 300,000	30.1	Bonding											
229	Schools	Lincoln Eliot School - Accessibility Upgrades	ramp, and signage for accessibility.	\$ 940,000	30.1	Bonding											
230	DPW	Map Scanning Project for Engineering: 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											
231	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 functioining.	\$ 86,000	30.0	CDBG Eligible											
232	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											
233	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											
234	Schools	Underwood School - Electrical Upgrades	Upgrades to electrical panels and sub-panelsn and emergency generator	\$ 100,000	29.6	Bonding											
235	Schools	Williams School - Accessibility Upgrades	Upgrade door hardware, openings, toilet rooms, railings, and signage for accessibility.	\$ 250,000	29.6	Bonding											
236	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											
237	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											
238	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											
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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
239	Parks/Rec	Replace Cold Spring Park Tennis Courts	Replace 3 existing tennis courts at this location. Courts have deteriorated.	\$ 180,000	28.7	Bonding											
240	Jackson Homestead	Restoration of Historic East Burying Grounds	Preservation of Remaining 24 Tombs in two of the three buring grounds. Priority to East, then West Parish sites. Safety Concern.	\$ 148,135	28.7	CPA Eligible											
241	Parks/Rec	Replace Halloran Field Athletic Lighting (Albemarle)	Replace the athletic lighting at the City's premier athletic complex	\$ 150,000	28.4	Bonding											
242	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											
243	Schools	Peirce School - Accessibility Upgrades	Upgrades to door hardware, toilet rooms, railings, and signage for accessibility.	\$ 300,000	28.4	Bonding											
244	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											
245	IT	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	Bonding											
246	Parks/Rec	Newton Corner Parks & Rec Headquarters Roof Restoration/ Replacement	Replace/restore slate roof as historically appropriate.	\$ 75,500	27.5	CPA Eligible											
247	Jackson Homestead	Jackson Homestead - Object Collection Storage	Create offsite climate controlled space with fire protection to house 3-D museum collections. No space for add'I materials.	\$ 100,000	27.5	CPA Eligible											
248	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											
249	Schools	Lincoln Eliot School - Electrical Upgrades	Replace electric panels and sub-panels.	\$ 125,000	26.7	Bonding											
250	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											
251	Public Buildings	Department HQs Bldg Roof repair	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											
252	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											
253	Schools	Peirce School - Electrical Upgrades	Replace electric panels and sub-panels.	\$ 75,000	26.1	Bonding											
254	Schools	Zervas School - Plumbing Upgrades	Upgrades toilet rooms and water fountains.	\$ 100,000	26.1	Bonding											
255	Schools	Burr School - Electrical Upgrades	Replace electric panels and sub-panels	\$ 100,000	26.1	Bonding											
256	Parks/Rec	Replace Cabot Park Tennis Courts	Replace two existing tennis courts at Cabot Park.	\$ 120,000	26.0	Bonding											
257	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											
258	Schools	Countryside School - Plumbing Upgrades	Upgrade toilet rooms and water fountains, and add fixtures per code requirements.	\$ 125,000	26.0	Bonding											
259	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											
260	Schools	Horace Mann School - Mechanical Upgrades	Replace 2nd boiler and replace modular roof top air handling units	\$ 300,000	25.7	Bonding											
261	DPW/ Water	Water/Utilities Department bldg - Accessibility Upgrades	Entrance ramp, toilet room and water fountain upgrades, door hardware, lift, etc to improve accessibility.	\$ 240,000	25.7	Enterprise Funds											
262	Schools	Ward School - Replace Windows and Doors	Replace windows in gym wing and storefront system.	\$ 425,000	25.6	Bonding											
263	Public Buildings	Kennard Estate-Accessibility/Site	Provide accessible parking spaces and install accessible entrance ramp.	\$ 127,350	25.5	Other											
264	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											
265	Schools	Brown School - Accessibility Upgrades	Upgrade existing elevator for code compliance, signage, hardware, and reconfigure locker rooms for accessibility.	\$ 600,000	24.8	Bonding											
266	Schools	Countryside School - Accessibility Upgrades	Upgrade toilets, signage, door hardware, and accessible entrance.	\$ 150,000	24.8	Bonding											
267	Jackson Homestead	Jackson Homestead - Exterior Windows & Doors	Restore existing windows and doors as historically appropriate.	\$ 192,000	24.8	CPA Eligible											
268	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											
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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2015	FY2016	FY2017	FY2018	FY2019
269	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											
270	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											
271	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											
272	Fire Dept	Replace Fire Dept Aerial Ladder #3	Replace Ladder 3. 15 years old. Ladder 3 becomes a spare, replacing spare Ladder 4.	\$ 1,000,000	23.5	Bonding											
273	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											
274	Parks/Rec	Replace Newton South High School Tennis Courts	Replace 12 existing courts at this location and lighting. Consider Private-Public Partnership.	\$ 750,000	23.3	Bonding											
275	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											
276	Jackson Homestead	Restoration of Historic West Burying Grounds	Preservation of Remaining 24 Tombs in two of the three buring grounds. Safety concern for visitors.	\$ 146,000	23.0	CPA Eligible											
277	DPW	Elliot St. Garage - Roof Repair/Replacement	Replace/repair EPDM roof. Replace damaged roof panels.	\$ 91,000	22.2	Bonding											
278	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											
279	IT	Build/Upgrade Data Center	Create consolidated industry standard data center(s). (HVAC, fire protection, virtual servers)	\$ 300,000	21.8	Bonding											
280	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											
281	Jackson Homestead	Repair/Replace Fencing at Historic Burying Grounds	Restoration of Fences at all 3 burying grounds	\$ 406,600	17.8	CPA Eligible											
282	DPW	DPW Equipment Shelter - Crafts St	Provide (new) covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment	\$ 150,000	15.1	Bonding											
	-		Total Need:	\$ 321,018,997				\$54,479,015	\$70,199,125	\$57,622,500	\$34,429,818	\$13,264,600	\$54,479,015	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Total Need: \$ 321,018,997 5-yr Total Funded: \$229,995,058 (unescalated)