



Edward M. Augustus, Jr.
City Manager

CITY OF WORCESTER

cm2017jun16012729

Attachment for Item # 8.36 A

June 20, 2017

TO THE WORCESTER CITY COUNCIL

COUNCILORS:

Attached for your consideration and approval please find the recommended Fiscal Year 2018 Capital Improvement Plan (CIP) for the City of Worcester. This plan has been developed with a keen focus on the collective priorities of the City Council and the community at large for the continued investment and reinvestment into the infrastructure of the City. In addition to the priorities, the FY18 budget has been developed under the auspices of the City's new long term financial plan in which debt issues are tied directly to the City's long term ability to repay its obligations which has been a direct factor in the recent bond rating increases the City has earned over these last five (5) years.

The ultimate goal of this CIP is to provide better services and amenities to our citizens through the strategic investment in our streets/sidewalks, buildings in which individuals interact with its government and the equipment in which our employees deliver municipal services. As has been the case with previous capital plans the City continues to leverage other funding sources where available to maximize the effectiveness of its investments. Hereunder please find a summary of the recommended FY18 Capital Improvement Plan (CIP).

Category	FY18 TL Borrowing	FY18 Non TL Borrowing	FY18 Total Investment
Equipment	2,954,478.00	3,918,500.00	6,872,978.00
Facility Improvement	774,850.00	675,000.00	1,449,850.00
Infrastructure	19,255,000.00	43,895,000.00	63,150,000.00
Parks Facility Improvements	400,000.00	0.00	400,000.00
Parks Infrastructure	7,535,000.00	0.00	7,535,000.00
WPS Equipment	500,000.00	0.00	500,000.00
WPS Facility Improvement	3,630,000.00	0.00	3,630,000.00
Grand Total:	35,049,328.00	48,488,500.00	83,537,828.00



OFFICE OF THE CITY MANAGER, CITY HALL, WORCESTER, MA 01608
TELEPHONE (508) 799-1175 | FAX (508) 799-1208
EMAIL: citymanager@worcesterna.gov



The following are highlights of the FY18 Capital Improvement budget:

Worcester Public Schools building rehabilitation

My tenure as City Manager has been focused on youth and their educational experience. In addition to the annual rehabilitation building rehabilitation funding provided to the Worcester Public Schools as part of the their multi- year capital plan which leverages grants from the Massachusetts School Buildings Authority, the City is providing an additional allocation of rehabilitation funds to provide for a gamete of improvements to physical plant and facilities.

Parks Improvements

The FY18 CIP continues to focus on what was an overlooked asset and amenity of the residents of the City of Worcester, our Parks system. Over the course of the last few years my administration has attempted to expand the leisure activities of our citizenry through the strategic investment of our numerous parks. This year's estimated capital expenditure once again are intended to reconstruct/rehabilitate various parks throughout the City.

Public Works Infrastructure

Ongoing investments in our core infrastructure (roads/water and sewer/ garages) are a necessity to any thriving/growing municipality. The FY18 CIP estimates \$63.2M of combined infrastructure spending between tax levy and non- tax levy supported improvements. This allocation spans from road improvements to water/sewer rehabilitation. The infrastructure improvements also range from public garage repairs to improved signage to assist residents and visitors navigating throughout the City.

Equipment

The delivery of public service continually evolves and requires capital equipment purchases to respond to the needs of the citizenry. The FY18 CIP continues with the acquisition of equipment throughout the numerous departments servicing the taxpayers of the City of Worcester. Whether it be for the purchase of an Engine for the Fire Department or cruisers for the Police Department to computers at the Senior Center, the continued acquisition of departmental equipment is required to better service the taxpayers and citizens for whom we serve.

With that, I respectfully request your approval of the proposed FY18 Capital Improvement Plan and associated loan orders.

Respectfully submitted,

A handwritten signature in black ink, reading "Edward M. Augustus, Jr." in a cursive script.

Edward M. Augustus, Jr.
City Manager



City of Worcester

Fiscal Year 2018

Capital Budget

Edward M. Augustus, Jr., City Manager

Worcester, Massachusetts

FY 2018 - 2022 Capital Improvement Program



CITY OF WORCESTER, MASSACHUSETTS

Department of Administration and Finance
Budget Office Division

Edward M. Augustus Jr.
City Manager

FY18 Capital Improvement Plan

Thomas F. Zidelis
Chief Financial Officer

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Elections	Equipment	Electronic Poll Pads Election Day	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
City Clerk & Elections Equipment Sub-Total:			\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00

Elections Electronic Poll Pads Election Day: We currently have purchased 10 iPads for Early Voting. The goal is to eventually have 50 so they can be utilized on Election Day at our 50 Precincts.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
City Manager	Equipment	Cameras - Quality of Life	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
City Manager Equipment Sub-Total:			\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00

City Manager Cameras Quality of Life: To provide funds for cameras for the Quality of Life Task Force.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Equipment	Library - Snowblower	\$ 2,700.00	\$ -	\$ -	\$ 2,700.00	\$ 2,700.00
EAM	Equipment	Library - Misc. Tools	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
EAM	Equipment	Library - Additional Carpet Runner	\$ 2,500.00	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00
EAM	Equipment	Library - Carpet Extraction Machine	\$ 7,000.00	\$ -	\$ 7,000.00	\$ -	\$ 7,000.00
EAM: Library Equipment Sub-Total:			\$ 13,200.00	\$ -	\$ 9,500.00	\$ 3,700.00	\$ 13,200.00

EAM-Library Snowblower: Snowblower is getting old and less reliable.

EAM-Library Misc. Tools: New tools and replacement tools.

EAM-Library Additional Carpet Runners: Carpet runners are insufficient and in very poor shape. Need additional runners at entrances and all need to be replaced before next winter.

EAM-Library Carpet Extraction Machines: Current machines only marginally functional and need to be replaced. New machines will prolong life of both new and old carpet.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Equipment	Senior Center - Little Giant Ladder	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ 300.00
EAM: Senior Center Equipment Sub-Total:			\$ 300.00	\$ -	\$ -	\$ 300.00	\$ 300.00
EAM-Senior Center Little Giant Ladder: Excellent ladder for dealing with stairwells as well as regular ladder required jobs.							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Equipment	25 Meade - Little Giant Ladder	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ 300.00
EAM: 25 Meade Equipment Sub-Total:			\$ 300.00	\$ -	\$ -	\$ 300.00	\$ 300.00
EAM-25 Meade Little Giant Ladder: Excellent ladder for dealing with stairwells as well as regular ladder required jobs.							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Equipment	City Hall - Misc. Tools	\$ 2,600.00	\$ -	\$ -	\$ 2,600.00	\$ 2,600.00
EAM	Equipment	City Hall - Van	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	\$ 7,000.00
EAM: City Hall Equipment Sub-Total:			\$ 9,600.00	\$ -	\$ -	\$ 9,600.00	\$ 9,600.00
EAM-City Hall Misc. Tools: If insourcing HBS maintenance of City Buildings, then technician will need to be outfitted with tools and equipment for this purpose - includes specialty combustion analyzers, refrigeration manifolds and vacuum pump, universal ladder, hand tools and battery drills, etc.							
EAM-City Hall Van: If insourcing HBS Maintenance of City Buildings, then a vehicle is needed.							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Equipment	DCU - Hockey Net Replacement	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
EAM	Equipment	DCU - Iceplant Control System	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 12,000.00
EAM	Equipment	DCU - Primary Ice Machine	\$ 12,000.00	\$ -	\$ -	\$ -	\$ 12,000.00
EAM	Equipment	DCU - Barricade Parts	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
EAM	Equipment	DCU - Snow Blower Replacement	\$ 7,000.00	\$ -	\$ -	\$ -	\$ 7,000.00
EAM	Equipment	DCU - Nypro Pipe Press	\$ 4,500.00	\$ -	\$ -	\$ -	\$ 4,500.00
EAM	Equipment	DCU - 1 Man Mini Lift	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00
EAM	Equipment	DCU - Ballroom Chairs	\$ 240,000.00	\$ -	\$ -	\$ -	\$ 240,000.00
EAM	Equipment	DCU - Security Cameras	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 100,000.00
EAM: DCU Equipment Sub-Total:			\$ 420,500.00	\$ -	\$ -	\$ -	\$ 420,500.00
<p>EAM-DCU Hockey Net Replacement: Nets are 10+ years old. Recommend replacement prior to failure. Critical safety item for stopping pucks leaving ice surface & injuring patron.</p>							
<p>EAM-DCU Iceplant Control System: Ice Plant computer control system failed after plant failed. New program & data needs to be installed for the plant to run via computer from HVAC room for optimal running of the plant. This failure also terminated the call out feature for a compressor issue or failure.</p>							
<p>EAM-DCU Primary Ice Machine: Primary facility ice machine failed in 2016. Tried to utilize smaller machines this past season but can not keep up with volume when multiple facilities utilized.</p>							
<p>EAM-DCU Barricade Parts: Approved in 2016 but never executed. Still a very high priority. Parts include: certain gates, doors, etc.</p>							
<p>EAM-DCU Snow Blower Replacement: Snow Blower normal replacement cycle.</p>							
<p>EAM-DCU Nypro Pipe Press: Older Pipes are corroding. Need for repairs.</p>							
<p>EAM-DCU 1 Man Mini Lift: Older model taken out of service. Needed to keep up with all maintenance & shows.</p>							
<p>EAM-DCU Ballroom Chairs: Current chairs are beginning to break and wear. Inventory depleting to a level below maximum matching configuration. City should look to reprogram our quality inventory into smaller requirements in other facilities and replace ours.</p>							
<p>EAM-DCU Security Cameras: Provides funding for security cameras at the DCU.</p>							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Human Res	Equipment	Human Resource Software Program	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Human Resource Equipment Sub-Total:			\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00

Human Resource Software Program: With the City Manager's commitment to Diversifying the City of Worcester, we have taken a close look at HR processes. The recruitment and onboarding process is time consuming and flawed. We work with paper instead of having everything electronic. We make duplicate entries into our City software programs in order to ensure tracking. We waste countless hours trying to prepare federal and state government mandated EEO reports. Further, our communication with candidates is limited because it is all done by phone or email. Our request for personnel is done on a three part carbon copy similiar paper that goes from department to department for authorizations. The time spent looking for RFP's cost the city thousands of dollars. These programs offer so much more than what the city can manually do. It will save money, we will be more professional in our communication and it will save time.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Police	Equipment	Marked Vehicles	\$ 340,000.00	\$ -	\$ -	\$ 340,000.00	\$ 340,000.00
Police	Equipment	Unmarked Vehicles	\$ 120,000.00	\$ -	\$ -	\$ 120,000.00	\$ 120,000.00
Police	Equipment	Cameras	\$ 9,988.00	\$ -	\$ -	\$ 9,988.00	\$ 9,988.00
Police	Equipment	Speed Monitors	\$ 24,000.00	\$ -	\$ -	\$ 24,000.00	\$ 24,000.00
Police	Equipment	Pole Mounted Speed Monitor	\$ 11,400.00	\$ -	\$ -	\$ 11,400.00	\$ 11,400.00
Police	Equipment	Remote Access Cameras	\$ 10,440.00	\$ -	\$ -	\$ 10,440.00	\$ 10,440.00
Police Equipment Sub-Total:			\$ 515,828.00	\$ -	\$ -	\$ 515,828.00	\$ 515,828.00

Police Marked Vehicles: Ford interceptor utility awd vehicles to replace oldest crown victorias.

Police Unmarked Vehicles: Ford sedan interceptor vehicles to replace worst unmarked vehicles.

Police Cameras: Crime scene unit replacement cameras Nikon D750 cameras with Nikkor 24-120 lens.

Police Speed Monitors: replacement of 2- twenty year old speed monitors which are no longer reliable.

Police Pole Mounted Speed Monitor: Pole mounted speed monitors.

Police Remote Access Cameras: Two additional remote access cameras for investigative units surveillance.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Fire	Equipment	Engine 2	\$ 515,000.00	\$ -	\$ -	\$ 515,000.00	\$ 515,000.00
Fire	Equipment	Ladder 4	\$ 900,000.00	\$ 900,000.00	\$ -	\$ -	\$ -
Fire	Equipment	Transit Van - Fire Prevention	\$ 22,000.00	\$ -	\$ -	\$ 22,000.00	\$ 22,000.00
Fire	Equipment	30 Scott Air Paks w/ Pak Trackers	\$ 118,500.00	\$ 118,500.00	\$ -	\$ -	\$ -
Fire	Equipment	10 SKA Scott Bottles	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
Fire	Equipment	30 Pagenite Panels - Training	\$ 9,050.00	\$ -	\$ -	\$ 9,050.00	\$ 9,050.00
Fire Equipment Sub-Total:			\$ 1,569,550.00	\$ 1,018,500.00	\$ -	\$ 551,050.00	\$ 551,050.00

Fire Engine 2: The engine companies are front line companies, built by KME in 1997. NFPA standards recommend that apparatus should remain on the front line for no more than 15 years. The truck is 20 years old and have over 100,000 miles on the engine. The water tanks, valves and related plumbing are all leaking. They have been taken out several times to repair cracks and have been patched. The truck bodies have broken apart and had to be welded multiple times, thus causing safety issues. These 20 year old trucks would be repurposed as spares replacing 28 year old trucks that are unreliable. Many replacement parts are no longer available to make needed repairs.

Fire Ladder 4: Ladder 4 is a 1994 E-One Aerial ladder and is also a front line apparatus. According to NFPA Standards, this truck should have been pulled off line 8 years ago. This truck has over 98,000 miles as well. The truck is in serious need of body work and the aerial needs to be completely refurbished (hydraulics, cables, etc) to ensure safety while climbing.

Transit Van - Fire Prevention: Replace a car to be used by the Inspection Division of Fire Prevention. All current vehicles are loaded with body rot and will not pass inspection next year. The cars are needed for daily appointments made by the Inspectors and the Public Education Transit would be used to transport educational materials to presentations as well as smoke detectors, carbon monoxide detectors, as well as burners and bed shakers, to outfit the elderly population.

Fire 30 Scott Air Paks w/Pak Trackers: The NFPA is expected to issue a new standard for SCBAs in the Fall of 2018. 30 of our paks were manufactured in 1997 and would be non-compliant with the standard. These paks would need to be discarded. These paks are currently being used by the Training Division for recruit classes and on the front line when other SCBAs are out for service. The new paks will also be equipped with Pak Trackers, which are an integral part of our search operation for locating a downed Fire Fighter.

Fire 10 SKA Scott Bottles: These bottles are exit or escape bottles in a hazardous environment (confined space, building collapse, etc). It allows to safely escape working in an O2 deficient environment if there is a failure with the main surface supplied air line. The department had 22 bottles and 10 were taken out of service due to age. The remaining bottles will expire in 2020 and 2021. Without these bottles, we would not be DOT compliant or be able to perform in a confined space or building collapse scenario safely.

Fire 30 Pagenite Panels: The training tower located in the back of 141 Grove St is the foundation of all substantial training evolutions for the past decade for both active fire fighters and the fire fighter recruits. In the past 3 years, we have put on 3 recruit classes along with departmental and outside departmental burns. The walls are covered with Pagenite which protect the structural components of the building. Once the structural elements are damaged, the whole building will have to be replaced. 30 of the Pagenite panels are at the end of their useful cycle and must be replaced in order to protect the structural components of the building. These panels will be needed to conduct the next training.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Inspectional	Equipment	Vehicles	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Inspectional Service Equipment Sub-Total:			\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00

Inspectional Service Vehicles: With a total of 29 vehicles for 38 direct field staff the departments seeks to regain recent losses to the ever aging fleet. The oldest vehicles range from 2001, 2002 and 2004. The life expectancy of a vehicle beyond 15 years of in city wear and tear is negligible. There is an intangible benefit for field staff to be in marked vehicles, such as visual value to the property location that is being inspected, visual value for allegations of misuse, and visual value in traffic pattern issues or other potential emergency situations.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Elder Affai	Equipment	2 New Computers in Computer Lab	\$ 3,000.00	\$ -	\$ 3,000.00	\$ -	\$ 3,000.00
Elder Affai	Equipment	Various Equipment in Fitness Cent	\$ 6,700.00	\$ -	\$ -	\$ 6,700.00	\$ 6,700.00
Elder Affai	Equipment	Kitchen Equipment Replacement	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00
Elder Affairs Equipment Sub-Total:			\$ 17,700.00	\$ -	\$ 3,000.00	\$ 14,700.00	\$ 17,700.00

Elder Affairs 2 New Computers in Computer Lab: Rapid changes in technology challenge seniors' minds as well as providing access to a wealth of information, activities & connections. The Worcester Senior Center has addressed this since its opening, by providing a computer lab & instruction. In FY'17 2 obsolete computers were replaced & in order to remain useful, the lab will need to replace two computers/year. The projected FY'18 cost of 2 P.C.'s with Windows 10 is approximately \$1,500 each. Assessments in future years may reveal the importance of the purchase of tablets with tethers for security &/or other equipment relevant to seniors. \$3,000/year is a conservative request.

Elder Affairs Various Equipment in Fitness Center: The key to healthy aging is staying active. To this end, the Senior Center provides fitness classes but has not had the space or resources until now to create a fitness room with stationary exercise equipment. Some equipment has been donated and space has become available due to the clinic relocation. We are researching best practices to open the Fitness Center in the summer of '17. The FY'18 request includes one new high quality piece of equipment (SciFit REX 7001 Total Body Recumbant Elliptical \$5,550) & weights, a floor pad, balls, mirror and railing (S&S equipment quote totals \$1,150). Additional may be needed for future years.

Elder Affairs Kitchen Equipment Replacement: The full service kitchen in the Senior Center contains many items which have surpassed their projected life, as they were purchased and installed in 1999 for the Center opening in 2000. The dishwasher had to be replaced in FY'17, the ice machine was replaced twice already, and we expect this trend to continue. Attached are estimates to replace the oldest equipment. I have rounded up the request as there will be costs for installation and ancillary equipment. The proposed replacement plan: FY'18-Cafeteria Buffet Hot Cart; FY'19-Tube Fired Gas Fryer and Counter Top Gas Griddle; FY-'20-Double Deck Convection Oven; FY'21-Commercial Microwave, Coffee Brewer and Ice Machine.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Engineering	Equipment	Computer Equipment-Arch. Serv.	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
Engineering	Equipment	Traffic Signal Parts	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Engineering Division Equipment Sub-Total:			\$ 85,000.00	\$ -	\$ -	\$ 85,000.00	\$ 85,000.00
Engineering Computer Equipment - Arch Services: Architectural services computers for hardware							
Engineering Traffic Signal Parts: Provides for necessary replacement parts and upgrades for traffic signals							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Streets & S	Equipment	Tink Claws (2)	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
Streets & S	Equipment	Loader Plows (4)	\$ 40,000.00	\$ -	\$ -	\$ 40,000.00	\$ 40,000.00
Streets & S	Equipment	1/2 Ton Hook Truck	\$ 135,000.00	\$ -	\$ -	\$ 135,000.00	\$ 135,000.00
Streets & S	Equipment	Bobcat or Equivalent	\$ 40,000.00	\$ -	\$ -	\$ 40,000.00	\$ 40,000.00
Streets & S	Equipment	1-Ton Rollers (2)	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
Streets & Sanitation Division Equipment Sub-Total:			\$ 265,000.00	\$ -	\$ -	\$ 265,000.00	\$ 265,000.00
Streets & Sanitation Tink Claws: Replaces existing Tink claws that are experiencing mechanical failures							
Streets & Sanitation Loader Plows: Replaces load plows that are beyond their useful life							
Streets & Sanitation 1/2 Ton Hook Truck: Replaces hook truck that is beyond their useful life							
Streets & Sanitation Bobcat or Equivalent: Replaces Bobcat equivalent that is beyond its useful life							
Streets & Sanitation 1-Ton Rollers: Replaces 1-Ton Rollers that are beyond their useful life							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Central Gar	Equipment	3/4 Ton Pickup w/ Plow	\$ 32,000.00	\$ -	\$ -	\$ 32,000.00	\$ 32,000.00
Central Gar	Equipment	Computer Equipment	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
Central Gar	Equipment	Misc. Tools	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
Central Gar	Equipment	Scanner	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	\$ 7,000.00
Central Gar	Equipment	Power Washer	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
Central Garage Division Equipment Sub-Total:			\$ 69,000.00	\$ -	\$ -	\$ 69,000.00	\$ 69,000.00

Central Garage 3/4 Ton Pickup w/ Plow: Replaces pickup that is beyond its useful life
Central Garage Computer Equipment: Replaces existing computer equipment that can longer run current software
Central Garage Misc. Tools: Replaces and upgrades varioustools used in vehicle maintenance
Central Garage Scanner: Replaces and upgrades the existing vehicle scanner used for diagnosis and vehicle inspections
Central Garage Power Washer: Replaces existing equipment that is beyond its useful life

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Sewer	Equipment	5 Ton Dump Truck w/ Plow/Sander	\$ 185,000.00	\$ -	\$ -	\$ 185,000.00	\$ 185,000.00
Sewer	Equipment	Pickup Truck 1/2 Ton (2 in 18)	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Sewer	Equipment	Staff Vehicle	\$ 35,000.00	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00
Sewer	Equipment	Street Sweeper	\$ 575,000.00	\$ -	\$ 375,000.00	\$ 200,000.00	\$ 575,000.00
Sewer	Equipment	Video Inspection Van (2)	\$ 400,000.00	\$ -	\$ 200,000.00	\$ 200,000.00	\$ 400,000.00
Sewer	Equipment	Catch Basin Cleaner w/ Plow	\$ 225,000.00	\$ -	\$ -	\$ 225,000.00	\$ 225,000.00
Sewer	Equipment	Flusher	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Sewer	Equipment	5 Ton Dump with Plow and Sander	\$ 150,000.00	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00
Sewer	Equipment	(2) 1/2 Ton Pickup Truck	\$ 25,000.00	\$ -	\$ 25,000.00	\$ -	\$ 25,000.00
Sewer Division Equipment Sub-Total:			\$ 1,895,000.00	\$ -	\$ 785,000.00	\$ 1,110,000.00	\$ 1,895,000.00

Sewer 5 Ton Dump Truck w/ Plow & Sander: Replaces existing 5 Ton Dump Truck that is beyond its useful life
Sewer Pickup Truck 1/2 Ton: Replaces existing 1/2 Pickup Truck that is beyond its useful life
Sewer Staff Vehicle: Replaces existing staff vehicle that is beyond its useful life
Sewer Street Sweeper: Replaces existing Street sweeper that is beyond its useful life
Sewer Video Inspection Van: Additional Video inspection van to expand sewer video inspection capabilities
Sewer Catch Basin Cleaner w/Plow: Replaces existing catch basic cleaner that is beyond its useful life
Sewer Flusher: Replaces existing flusher that is beyond its useful life

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Water	Equipment	(1) 1/2 Ton Pickups (1 in 18)	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Water	Equipment	3/4 Ton Truck w/ Plow 4WD	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Water	Equipment	5 Ton Dump Truck w/ Plow 4WD	\$ 150,000.00	\$ -	\$ -	\$ 150,000.00	\$ 150,000.00
Water	Equipment	Filtration Plant Lab Misc. Equip.	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
Water	Equipment	Instruments Computers	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
Water	Equipment	Misc. Tools/Equip. Filtration Plant	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Water	Equipment	Misc. Tools/Equip. Operations	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Water	Equipment	Mobile Radio	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
Water	Equipment	Sedan	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
Water	Equipment	Utility Truck - Meter	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00
Water	Equipment	Utility Truck - Construction	\$ 200,000.00	\$ -	\$ 100,000.00	\$ 100,000.00	\$ 200,000.00
Water	Equipment	Backhoe	\$ 135,000.00	\$ -	\$ -	\$ 135,000.00	\$ 135,000.00
Water	Equipment	Reservoir Security Vehicle 4WD	\$ 70,000.00	\$ -	\$ -	\$ 70,000.00	\$ 70,000.00
Water	Equipment	Comp. 1/2 Ton Pickup w/ Boxes	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Water	Equipment	Snow Blower	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
Water	Equipment	Brush Chipper	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00
Water	Equipment	Filtration Plant Lab Misc. Equip. (2)	\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$ 15,000.00
Water	Equipment	Instruments Computers (2)	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00
Water	Equipment	Filtration Plant Misc. Tools	\$ 25,000.00	\$ -	\$ 25,000.00	\$ -	\$ 25,000.00
Water	Equipment	Operations - Misc. Tools	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Water	Equipment	Mobile Radio (2)	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00
Water	Equipment	Utility Truck Construction	\$ 35,000.00	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00
Water	Equipment	3/4 Ton utility Truck	\$ 125,000.00	\$ -	\$ 125,000.00	\$ -	\$ 125,000.00
Water	Equipment	Compressor/Vacuum Truck	\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$ 15,000.00
Water	Equipment	Misc. Tools - Filtration	\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$ 15,000.00
Water	Equipment	GIS	\$ 25,000.00	\$ -	\$ 25,000.00	\$ -	\$ 25,000.00
Water Division Equipment Sub-Total:			\$ 1,603,000.00	\$ -	\$ 840,000.00	\$ 763,000.00	\$ 1,603,000.00

Water 1/2 Ton Pickup: Replaces truck that is beyond its useful life
Water 3/4 Ton Truck w/ Plow 4WD: Replaces truck that is beyond its useful life
Water 5 Ton Dump Truck w/Plow 4WD: Replaces truck that is beyond its useful life
Water Filtration Plant Lab Misc. Equip: Update and replace various laboratory equipment
Water Instruments Computers: Update and replace various instruments and computer equipment
Water Misc. Tools/Equip Filtration Plant: Update and replace Miscellaneous tools and equipment at the Water Filtration Plant
Water Misc. Tools/Equip Operations: Update and replace various tools and equipment for Water Operations
Water Mobile Radio: Replace and provide additional mobile radios
Water Sedan: Replace a sedan that is beyond its useful life
Water Utility Truck - Meter: Replaces utility truck that is beyond its useful life
Water Utility Truck - Construction: Replaces utility truck that is beyond its useful life
Water Backhoe: Replaces a backhoe with multiple mechanical failures
Water Reservoir Security Vehicle 4WD: Replaces an existing security vehicle
Water Comp 1/2 Ton Pickup w/ Boxes: Replaces an existing 1/2 Pickup
Water Snow Blower: Replace Snow Blower
Water Brush Chipper: Additional brush chipper will supplement and ultimately replace aging equipment
Water Filtration Plant Lab Misc. Equip (2): Update and replace various laboratory equipment
Water Instruments Computers (2): Update and replace various instruments and computer equipment
Water Misc. Tools/Equip Filtration Plant: Update and replace Miscellaneous tools and equipment at the Water Filtration Plant
Water Misc. Tools/Equip Operations: Update and replace various tools and equipment for Water Operations
Water Mobile Radio (2): Replace and provide additional mobile radios
Water Utility Truck - Construction: Replaces utility truck that is beyond its useful life
Water 3/4 Ton Utility Truck: Replaces utility truck that is beyond its useful life
Water Compressor/Vacuum Truck: Replaces Vacuum that is beyond its useful life
Water Misc. Tools - Filtration: Update and replace various laboratory equipment
Water GIS: Update GIS Software

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Library	Equipment	Self Check Out Station ADA	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
Library	Equipment	Adult Reading Area Furniture	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
Library Equipment Sub-Total:			\$ 40,000.00	\$ -	\$ 40,000.00	\$ -	\$ 40,000.00

Library Self Check Out Station ADA: This equipment will address the shortcoming of 3M self-checkout equipment as it is installed in the main library. The 3M equipment currently does not provide tools for visually impaired patrons. The equipment will allow us to be fully ADA compliant.

Library Adult Reading Area Furniture: Adult reading areas in the Main Library. Replace worn and dirty furniture throughout the building on a regular cycle- a section at a time rotating sections every 10 years. Most of the furniture in the Adult reading areas has not been replaced in over 16 years.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Assessing	Equipment	4WD Small SUV	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Assessing Equipment Sub-Total:			\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00

Assessing 4WD Small SUV: Purchase of a 4WD SUV's to replace existing cars which have exceeded their usefulness. Due to the condition of some private roads and the New England winters, we are requesting 4WD SUV's. Purchasing 4 over the next three years will replace the existing couple vehicles.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Technical	Equipment	Data Center Coolant Replacement	\$ 160,000.00	\$ -	\$ -	\$ 160,000.00	\$ 160,000.00
Technical	Equipment	Worcester Wifi Upgrade	\$ 45,000.00	\$ -	\$ 45,000.00	\$ -	\$ 45,000.00
Technical	Equipment	Network Security Software	\$ 45,000.00	\$ -	\$ -	\$ 45,000.00	\$ 45,000.00
Technical	Equipment	Citywide Phone System Upgrade	\$ 38,000.00	\$ -	\$ -	\$ 38,000.00	\$ 38,000.00
Technical Services Equipment Sub-Total:			\$ 288,000.00	\$ -	\$ 45,000.00	\$ 243,000.00	\$ 288,000.00

Technical Service Data Center Coolant Replacement: The current coolant system within the main data center is over ten years old and has reached end of life . It continues to experience performance issues that require service calls on a more frequent basis. We must be proactive and plan for its replacement to be installed in Fiscal 2018 to ensure no disruption of service which would impact the operation of the data center equipment.

Technical Service Worcester Wifi Upgrade: The funding for the Worcester Wifi upgrade will enable the City to upgrade its wifi equipment and also offer its free wifi services to additional locations.

Technical Service Network Security Software: This item will provide an additional layer of network security to safeguard the City's data.

Technical Service Citywide Phone System Upgrade: Citywide Phone System upgrades at the Senior Center and Union Station.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Parks	Equipment	Computerized Irrigation Control Sy	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 30,000.00
Parks	Equipment	Permit Tracking Computer System	\$ 7,500.00	\$ -	\$ -	\$ 7,500.00	\$ 7,500.00
Parks	Equipment	1 Ton Dump Truck w/ Plow & San	\$ 55,000.00	\$ -	\$ -	\$ 55,000.00	\$ 55,000.00
Parks	Equipment	1/2 Ton 4 Wheel Drive Truck w/ Pl	\$ 32,000.00	\$ -	\$ -	\$ 32,000.00	\$ 32,000.00
Parks	Equipment	Utility All-Terrain 4x4 Drive Dump	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Parks	Equipment	(2) 4 Wheel Drive Utility Vehicle	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
Parks	Equipment	(2) 3/4 Ton 4 Wheel Drive Pick up	\$ 90,000.00	\$ -	\$ -	\$ 90,000.00	\$ 90,000.00
Parks	Equipment	(4) Dove Tail Trailers	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00	\$ 16,000.00
Parks	Equipment	(2) Vehicle Radios	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00
Parks	Equipment	(6) Heavy Duty Snow Blowers Atta	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
Parks	Equipment	3/4 Ton Utility Van	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	\$ 75,000.00
Parks	Equipment	(2) 72" 4x4 Rotary Mower w/ Attac	\$ 95,000.00	\$ -	\$ -	\$ 95,000.00	\$ 95,000.00
Parks	Equipment	Air Compressor	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00
Parks	Equipment	(6) 38" Riding Mowers	\$ 67,000.00	\$ -	\$ -	\$ 67,000.00	\$ 50,000.00
Parks	Equipment	Leaf Blower Units & Attachments	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
Parks	Equipment	Utility All-Terrain 4x4 Drive Dump	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	\$ 17,000.00
Parks	Equipment	3/4 Ton Pick-Up w/ Plow	\$ 45,000.00	\$ -	\$ -	\$ 45,000.00	\$ -
Parks	Equipment	72" Rotary Mower w/ Attachments	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Parks	Equipment	1 Ton Dump Truck 4 Wheel Drive	\$ 55,000.00	\$ -	\$ -	\$ 55,000.00	\$ 55,000.00
Parks	Equipment	1 Ton 4x4 Dump Truck w/ Chip Bc	\$ 80,000.00	\$ -	\$ -	\$ 80,000.00	\$ 80,000.00
Parks	Equipment	Chipper	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Parks	Equipment	Logging Truck	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	\$ -
Parks Equipment Sub-Total:			\$ 1,189,500.00	\$ -	\$ -	\$ 1,189,500.00	\$ 889,500.00

<p>Parks Computerized Irrigation Control System: This system will allow the Parks division to begin the installation of a centralized irrigation control system with current weather updates assisting in the management of our water resource. There are currently over 45 irrigation systems throughout the City Parks and currently all are managed via individual controls that are accessed at each site. This will be an on going investment but will allow Parks to better conserve our water resource.</p>
<p>Parks Permit Tracking Computer System: The existing system allows the Parks Division to manage over 13,000 individual permits issued to facility users throughout the year. The current software has outlived it's useful life and is no longer supported by the software company. This needs to be replaced asap.</p>
<p>Parks 1 Ton Dump Truck w/ Plow & Sander: This dump truck replaces an existing dump with excessive mileage and structure issues. It is essential to the operation of the Division for the movement of equipment and materials</p>
<p>Parks 1/2 Ton 4 Wheel Drive Truck w/ Plow: This vehicle replaces an existing pickup with excessive mileage and that has out lived it useful life.</p>
<p>Parks Utility All Terrain 4x4 Drive Dump: This vehicle replaces existing equipment that has outlived it's useful life and is used to move material and equipment around smaller parks.</p>
<p>Parks (2) 4Wheel Drive Utility Vehicle: These vehicles will replace existing trucks with structural issues and excessive wear/tear. One existing vehicle has been determined to be not road worthy with the other close to this determination.</p>
<p>Parks (2) 3/4 Ton 4Wheel Drive Pickup w/ Plow: These vehicles will replace the workhorses of our Division and will include plows and trailer hitches for the pulling of trailers with equipment on them.</p>
<p>Parks (4) Dove Tail Trailers: These trailers will replace existing trailers which have outlived there useful life. These trailers are the lifeblood of our equipment transportation requirements. Each day (year-round) these trailers carry lawnmowers, snow blowers, leaf blowers and other equipment from Green Hill Park to our Parks to perform general maintenance.</p>
<p>Parks (2) Vehicle Radios: These radios will be installed in vehicles that have been transferred to Parks from other Divisions and do not have a radio.</p>
<p>Parks (6) Heavy duty Snow Blower Attachments: These will replace existing snow blower attachments on existing equipment that are used to maintain the City Hall Sidewalks and the 16+ miles of sidewalks the Parks Division clears.</p>
<p>Parks 3/4 Ton Utility Van: These vehicles will replace two existing vans (one that is no longer road worthy) that are used for general maintenance and by the Parks Division Electrician.</p>

<p>Parks(2) 72" 4x4 Rotary Mower: These mowers will replace existing equipment that have outlived there useful life. These mowers are the essential equipment used to mow and remove snow within our Parks</p>
<p>Parks Air Compressor: This truck mounted air compressor will replace and existing tow behind compressor with excessive hours and mileage.</p>
<p>Parks (6) 38" Riding Mowers: These will replace existing small mowers used at Hope Cemetery. This equipment is vital to mow within the sections and in-between headstones & trees. We have not replaced them in over four years and they are used daily from April till November by seasonal and fulltime staff.</p>
<p>Parks Leaf Blower Units & Attachments: This equipment will replace existing leaf blowers that are used to move leaves off sections within the cemetery for pickup.</p>
<p>Parks Utility All-Terrain 4x4 Drive Dump: This equipment would replace existing equipment with excessive hours used to maneuver within and around sections in Hope Cemetery.</p>
<p>Parks 3/4 Ton Pick Up w/ Plow: This will replace an existing pickup that can no longer pass inspection and is needed to move equipment around the Cemetery.</p>
<p>Parks 72" Rotary Mower W/Attachments: This equipment will replace existing mower used to address larger open areas of the Cemetery. The current machine has excessive hours and continues to require regular repairs.</p>
<p>Parks 1 Ton Dump Truck 4 Wheel Drive: This will replace an existing Dump that can no longer pass inspection and is needed to move equipment & materials around the Cemetery</p>
<p>Parks 1 Ton 4x4 Dump Truck w/Chip Box: This will replace an existing dump with chip box that can no longer pass inspection and is needed to move equipment and store chips while Forestry completes tree work within the Public Right of Way</p>
<p>Parks Chipper: This will replace an existing Chipper that can no longer pass inspection and is needed to clear smaller limbs and material while Forestry completes tree work within the Public Right of Way.</p>
<p>Parks Logging Truck: This will replace an existing Logging Truck and allow Forestry operations to have two complete crews on the street regularly.</p>

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Elections	Facility Imp.	Shelving Room 208	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00
City Clerk & Elections Facility Imp. Sub-Total:			\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00

Elections Shelving Room 208: Absentee\EV Ballot Storage. The current existing space is not built to handle 20,000 ballots. Furthermore, with the purchase of IPADS for Early Voting we no longer have the ability to store in the current shelving.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Facility Imp.	Senior Center - Exterior Landscapr	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
EAM	Facility Imp.	Senior Center - Expand WiFi	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
EAM	Facility Imp.	Senior Center - Security Cameras	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
EAM - Senior Center Facility Imp. Sub-Total:			\$ 45,000.00	\$ -	\$ -	\$ 45,000.00	\$ 45,000.00

EAM- Senior Center Exterior Landscape: Aesthetics of property need attention. Selective tree trimming and other improvements are needed to improve exterior aesthetics.

EAM- Senior Center Expand Wifi: WiFi is limited right now and needs to be augmented both for current needs as well as future scalability.

EAM- Senior Center Security Cameras: Additional security cameras needed for parking lot, back door, and 4th floor.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Facility Imp.	25 Meade - Lightning Surge Protec	\$ 95,000.00	\$ -	\$ -	\$ 95,000.00	\$ 95,000.00
EAM	Facility Imp.	25 Meade - Airflow Duct Work	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
EAM	Facility Imp.	25 Meade - 3 Parking Lot Poles	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
EAM - 25 Meade St Facility Imp. Sub-Total:			\$ 125,000.00	\$ -	\$ -	\$ 125,000.00	\$ 125,000.00

EAM- 25 Meade St. Lightning Surge Protection: Facility has been damaged by lightning several times over the last 3 years - surge protection would minimize this ongoing risk.

EAM- 25 Meade St. Airflow Duct Work: Ductwork modifications to better distribute airflow in specific locations throughout the facility.

EAM- 25 Meade St. 3 Parking Lot Light Pole: Parking lot currently underlit and needs an additional pole.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
EAM	Facility Imp.	City Hall - 1st Floor Women Bathro	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
EAM	Facility Imp.	City Hall - Update 1st Floor public	\$ 40,000.00	\$ -	\$ 40,000.00	\$ -	\$ 40,000.00
EAM	Facility Imp.	City Hall - Hot Water Recirculating	\$ 8,000.00	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00
EAM	Facility Imp.	City Hall - North Elevator Upgrade	\$ 165,000.00	\$ -	\$ -	\$ 165,000.00	\$ 165,000.00
EAM	Facility Imp.	City Hall - Clerks Office Carpet Re	\$ 14,000.00	\$ -	\$ 14,000.00	\$ -	\$ 14,000.00
EAM	Facility Imp.	City Hall - Replace Water Fountain	\$ 9,500.00	\$ -	\$ 9,500.00	\$ -	\$ 9,500.00
EAM	Facility Imp.	City Hall - Replace Carpeting in Au	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00	\$ 16,000.00
EAM	Facility Imp.	City Hall - Replace Carpeting City	\$ 12,000.00	\$ -	\$ -	\$ 12,000.00	\$ 12,000.00
EAM - City Hall Facility Imp. Sub-Total:			\$ 284,500.00	\$ -	\$ 91,500.00	\$ 193,000.00	\$ 284,500.00

EAM- City Hall 1st Floor Womens Bathroom: With HHS located on the 1st floor, we have a greater need to have an employee restroom on the first floor to accommodate accessibility needs. There is room to retrofit one of the toilet stalls and the sink counter to allow for a simple upgrade for this purpose. Also, needed repairs are required as several of the fixtures are in imminent danger of failing.

EAM- City Hall Update 1st Floor Public Bathroom: Due to high traffic and occasional abuse, both public restrooms need significant upgrades to fixtures, plumbing and exhaust.

EAM- City Hall Hot Water Recirculating line: Currently, most of the bathrooms do not get hot water quickly, although there is a circulating pump installed in the basement. This circulating pump does not appear to be tied to a complete hot water distribution line, so we do not meet the appropriate code requirements for providing 110F water to clean hands. Reconfiguring and completing the hot water loop to include all bathroom hot water supply lines will address this issue.

EAM- City Hall North Elevator Upgrade: Upgrade the North Elevator equipment and controls to match that installed in the South Elevator in FY17.

EAM- City Hall Clerks Office Carpeting: Carpet has been taped at seams for several years and has already been identified as one reason an employee lost work.

EAM- City Hall Replace Water Fountain: Replace water fountains on 3rd and 1st floors.

EAM- City Hall Replace Carpeting: Carpeting in Auditing (Room 102) is threadbare in areas and should be replaced.

EAM- City Hall Replace Carpeting Council Chamber: Carpeting in council chamber should be replaced.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Police	Facility Imp.	First Floor Headquarters Rehab	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
Police Facility Imp. Sub-Total:			\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00

Police First Floor Headquarters Rehab: WPD headquarters was built in 1970s. Since the communications department vacated the premises in July we have been preparing plans for a complete renovation of the first floor including the lobby to address modernization, security concerns and better service to the public. The city has not made any significant investment in the WPD physical plant in 40 years. We believe that the proposal development by the city's architectural services division will address the needs for the first floor of this building for the foreseeable future. We have approximately \$650,000 in prior capital rehab authorizations which are available to assist in funding this project, this request will therefore only require an additional \$1,068,200 authorization.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Fire	Facility Imp.	Tatnuck Sq. Station	\$ 2,600.00	\$ -	\$ -	\$ 2,600.00	\$ 2,600.00
Fire	Facility Imp.	Burncoat St. Station	\$ 33,250.00	\$ -	\$ -	\$ 33,250.00	\$ 33,250.00
Fire	Facility Imp.	Greendale Station	\$ 28,300.00	\$ -	\$ -	\$ 28,300.00	\$ 28,300.00
Fire	Facility Imp.	Webster Sq. Station	\$ 17,450.00	\$ -	\$ -	\$ 17,450.00	\$ 17,450.00
Fire	Facility Imp.	Grove St. Station	\$ 4,750.00	\$ -	\$ -	\$ 4,750.00	\$ 4,750.00
Fire Facility Imp. Sub-Total:			\$ 86,350.00	\$ -	\$ -	\$ 86,350.00	\$ 86,350.00

Fire Tatnuck Sq. Station: Repair crumbling concrete entry stairs for safety. FY 19 - Cosmetic rehab of 1st floor bathroom, gear room, apparatus bay, and 2nd floor. FY 20 - Paint exterior

Fire Burncoat St. Station: FY 18 - This project includes maintenance issues: pointing chimney to halt deterioration, replace crumbling front apron and building entry, jet clean apparatus floor drain. FY 19 - repair and paint apparatus bay ceiling damaged from leaks

Fire Greendale Station: This project includes the replacement of a circulator pump on the heating system with a technologically advanced and energy efficient pump. This project also includes the rehab of the entire second floor of the station due to major deterioration from roof leaks and aging. Maintenance at this station has been deferred for many years due to lack of funding. FY19 includes repairs and painting of the apparatus bay ceiling. FY 19 includes the building of a storage shed to store gasoline powered equipment so this equipment can be removed from the station where it is stored currently in violation of fire code.

Fire Webster Sq. Station: FY 18 - This project includes the replacement of two circulator pump and two valves on the heating system with a technologically advanced and energy efficient pump. FY 19 - includes the building of a storage shed to store gasoline-powered equipment so this equipment can be removed from the station where it is stored currently in violation of fire code. Also, repair interior doors that are out of square due to building settling.

Fire Grove St. Station: FY 18 - Installation of a trench drain at EOC to remove standing water on sidewalk which creates a hazardous situation in the winter. FY 19 - includes the building of a storage shed to store gasoline powered equipment so this equipment can be removed from the station where it is stored currently in violation of fire code. Major rehab to both second floor bathrooms. FY 20 - Repair of the crumbling front apron.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Sewer	Facility Improver	Building Rehab	\$ 225,000.00	\$ -	\$ 125,000.00	\$ 100,000.00	\$ 225,000.00
Sewer	Facility Improver	Millbury Street Garage	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ 250,000.00
DPW Sewer Division Facility Imp.Sub-Total:			\$ 475,000.00	\$ -	\$ 375,000.00	\$ 100,000.00	\$ 475,000.00
Sewer Building Rehab: Continues facility improvements at DPW&P HQ, including electrical and plumbing improvements, and emergency generator upgrades.							
Sewer Millbury Street Garage: Allows improvements to facilities at the Millbury Street Drop off center including the service shack and sheds							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Water	Facility Improver	Water Building Rehab	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	\$ 200,000.00
DPW Water Division Facility Imp. Sub-Total:			\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	\$ 200,000.00
Water Building Rehab: Allows for the continuation of improvements to Water HQ Building to meet current workplace standards.							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
DPW Stree	Facility Improver	Streets Building Rehab	\$ 100,000.00	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 100,000.00
DPW	Facility Improver	Millbury Landfill Improvements	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
DPW Facility Imp. Sub-Total:			\$ 200,000.00	\$ -	\$ 50,000.00	\$ 150,000.00	\$ 200,000.00
Streets Building Rehab: Addresses roof issues and other building improvements at streets, central garage, and other DPW&P facilities							
DPW Millbury Landfill Improvements: Repairs Millbury Street landfill and provides improved fencing throughout the area							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Parks	Facility Improver	General Building Rehab	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
Parks	Facility Improver	Stearns Tavern Rehab	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00	\$ 300,000.00
Parks Facility Imp. Sub-Total:			\$ 400,000.00	\$ -	\$ -	\$ 400,000.00	\$ 400,000.00
Parks General Building Rehab: Complete full review of all Park Buildings (currently at 42), begin design of renovations based on priority and implement building improvements based on priority.							
Parks Stearns Tavern: Provide funding for Stearns Tavern Project.							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Engineering	Infrastructure	Dam Repairs	\$ 1,000,000.00	\$ -	\$ -	\$ 2,000,000.00	\$ 1,000,000.00
Traffic Eng	Infrastructure	Traffic Signal Improvements	\$ 260,000.00	\$ -	\$ 10,000.00	\$ 250,000.00	\$ 260,000.00
Traffic Eng	Infrastructure	Traffic Signal Detection Systems	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Traffic Eng	Infrastructure	Pedestrian Safety Traffic Signals	\$ 225,000.00	\$ -	\$ -	\$ 225,000.00	\$ 225,000.00
DPW Engineering Division Infrastructure Sub-Total:			\$ 1,535,000.00	\$ -	\$ 10,000.00	\$ 2,525,000.00	\$ 1,535,000.00
Engineering Dam Repairs: Allows repairs of multiple City owned dams including Patch Pond, Pine Hill, and Patch Reservoir dams							
Engineering Traffic Signal Improvements: Allows improvements to existing traffic signals and installation of new signals where needed							
Engineering Traffic Signal Detection: Provides improvements to existing traffic signal detection systems							
Engineering Pedestrian Safety Traffic Signal: Provides 15 new pedestrian safety signals citywide							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Streets	Infrastructure	Bridge Rehab	\$ 365,000.00	\$ -	\$ -	\$ 500,000.00	\$ 365,000.00
Streets	Infrastructure	Extended Pavement Program	\$ 1,000,000.00	\$ -	\$ -	\$ 1,000,000.00	\$ 1,000,000.00
Streets	Infrastructure	Private St. Conversion	\$ 2,085,000.00	\$ -	\$ 1,085,000.00	\$ 1,000,000.00	\$ 2,085,000.00
Streets	Infrastructure	Sidewalk Improvement	\$ 415,000.00	\$ -	\$ -	\$ 1,550,000.00	\$ 415,000.00
Streets	Infrastructure	Tatnuck Sq. Construction	\$ 140,000.00	\$ 140,000.00	\$ -	\$ -	\$ -
Streets	Infrastructure	Downtown Streets/Sidewalks	\$ 1,200,000.00	\$ -	\$ 250,000.00	\$ 2,850,000.00	\$ 1,590,000.00
Streets	Infrastructure	Newton Square	\$ -	\$ -	\$ -	\$ 500,000.00	\$ -
Streets	Infrastructure	Quinsig Gateway I & II	\$ 2,600,000.00	\$ 2,100,000.00	\$ -	\$ 500,000.00	\$ 500,000.00
Streets	Infrastructure	Main and Maywood	\$ 85,000.00	\$ -	\$ 85,000.00	\$ -	\$ 85,000.00
Streets	Infrastructure	Grafton Street -2019 TIP	\$ 125,000.00	\$ -	\$ 125,000.00	\$ -	\$ 125,000.00
Streets	Infrastructure	Guard Rails	\$ 55,000.00	\$ -	\$ 30,000.00	\$ 25,000.00	\$ 55,000.00
Streets	Infrastructure	Winthrop St.	\$ 150,000.00	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00
Streets	Infrastructure	Holden/Drummond/Shore	\$ 230,000.00	\$ -	\$ 230,000.00	\$ -	\$ 230,000.00
Streets	Infrastructure	Main Street	\$ 650,000.00	\$ -	\$ 650,000.00	\$ -	\$ 650,000.00
Streets	Infrastructure	No. Lake Ave Slope	\$ 85,000.00	\$ -	\$ 85,000.00	\$ -	\$ 85,000.00
Streets	Infrastructure	Canal/Shrews/Grafton CSX	\$ 50,000.00	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00
Streets	Infrastructure	Bikeway Seg 7	\$ 225,000.00	\$ 225,000.00	\$ -	\$ -	\$ -
Streets	Infrastructure	ADA Improvements	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00
Streets	Infrastructure	Bicycle Master Plan	\$ 95,000.00	\$ -	\$ 95,000.00	\$ -	\$ 95,000.00
Streets	Infrastructure	Wayfinding	\$ 500,000.00	\$ 500,000.00	\$ -	\$ -	\$ -
Streets	Infrastructure	Chandler WSU TIP Design	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	\$ 200,000.00
Streets	Infrastructure	Federal Plaza Traffic	\$ 180,000.00	\$ -	\$ 180,000.00	\$ -	\$ 180,000.00
Streets	Infrastructure	Street Resurfacing	\$ 4,000,000.00	\$ -	\$ -	\$ 4,000,000.00	\$ 4,000,000.00
Streets	Infrastructure	Street Resurfacing (Chapter 90)	\$ 4,000,000.00	\$ 4,000,000.00	\$ -	\$ -	\$ -
Streets	Infrastructure	Canal District Streetscape	\$ 750,000.00	\$ 600,000.00	\$ 150,000.00	\$ -	\$ 150,000.00
Streets	Infrastructure	Franklin Plantation Street	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -
DPW Streets Division Infrastructure Sub-Total:			\$ 19,535,000.00	\$ 7,715,000.00	\$ 3,365,000.00	\$ 12,125,000.00	\$ 12,210,000.00

Streets Bridge Rehab: Ongoing repairs to city bridges
Streets Extended Pavement: Provides for pavement repairs to extend the life of existing pavement including selective patching
Streets Private St. Conversion: Continues the ongoing conversion of private streets to public streets
Streets Sidewalk Improvement: Allows for ongoing repairs to City sidewalks
Streets Tatnuck Sq. Construction: Conclusion of grant funded improvement
Streets Downtown Streets/Sidewalks: Continues the ongoing program to improve streets and sidewalks in the core downtown area
Streets Quinsig Gateway I & II: Improves access to the Central Business District and provides mitigation of additional traffic volume
Streets Main & Maywood: Design funding for TIP funded infrastructure improvements
Streets Grafton Street 2019 TIP: Design funding for TIP funded infrastructure improvements
Streets Guard Rails: Allows for the Installation, repair, and replacement of guardrails as needed citywide
Streets Winthrop St: Provides design for TIP funded improvements of the Winthrop Street Corridor
Streets Holden/Drummond Shore: Continues design development of realigned intersection
Streets Main Street: Continues program to redesign and improve downtown streets and sidewalks
Streets No. Lake Ave Slope: Concludes the repairs to the North Lake Ave slope
Streets Canal/Shrews/Grafton CSX:
Streets Bikeway Seg 7: Extends the MassDOT statewide bicycle system to provide improved bicycle accommodations for commercial and recreational use
Streets ADA Improvements: Allows for ongoing improvements to address ADA improvements including the installation and repair of accessible curb cuts citywide
Streets Bicycle Master Plan: Develops citywide master plan for improved bicycle traffic improvements
Streets Wayfinding: Establishes updated, integrated signage and signature identifiers to improve wayfinding to city locations
Streets Chandler WSU TIP Design: Funds design for TIP funded improvements in the Chandler Street/Worcester State University area
Streets Federal Plaza Traffic: Design work allows for the rerouting of traffic in Federal Plaza
Streets Street Resurfacing: Continues ongoing streets resurfacing program guided by the monitoring of the Pavement Condition Index (PCI) of City Streets. Combined with \$4M in Chapter 90 funding from the Commonwealth, this allows for the resurfacing of approximately 10 miles of streets.
Streets Street Resurfacing (Ch.90): Continues ongoing streets resurfacing program guided by the monitoring of the Pavement Condition Index (PCI) of City Streets. Combined with \$4M in Chapter 90 funding from the Commonwealth, this allows for the resurfacing of approximately 10 miles of streets.
Streets Canal District Streetscape: Continues development of designs for State funded improvements to Harding St. streetscape and sidewalks
Streets Franklin Plantation Street: Concludes the Franklin/Plantation Street Improvements

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Off Street I	Infrastructure	Parking Structures	\$ 8,815,000.00	\$ -	\$ 3,815,000.00	\$ 5,000,000.00	\$ 8,815,000.00
Off Street I	Infrastructure	Parking Garages	\$ 900,000.00	\$ -	\$ 900,000.00	\$ -	\$ 900,000.00
DPW&P Off-Street Parking Division Infrastructure Sub-Total			\$ 9,715,000.00	\$ -	\$ 4,715,000.00	\$ 5,000,000.00	\$ 9,715,000.00
Off Street Parking Structures: Provides for the needed rehabilitation of the Pearl Elm parking garage							
Off Street Parking Garages: Provides for the needed rehabilitation of other garages that are not Pearl Elm. Work includes stairwell work.							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Misc. DPW	Street Lights/Infr	Street Lights	\$ 500,000.00	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00
Misc. DPW	Misc. DPW	Parks Resurfacing	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Misc. DPW	Misc. DPW	Crow Hill Cap	\$ 1,000,000.00	\$ -	\$ -	\$ 2,000,000.00	\$ 1,000,000.00
W&P Misc. DPW Divisions Infrastructure & Facility Sub-To			\$ 1,750,000.00	\$ -	\$ -	\$ 2,750,000.00	\$ 1,750,000.00
Misc. DPW Street Lights: Provides for repair and replacement of City Streetlights							
Misc. DPW Parks Resurfacing: Allows for resurfacing needed in citywide parks							
Misc. DPW Crow Hill Cap: Provides environmental clean up to conservation land							
Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Sewer	Infrastructure	Route 20 Sewer	\$ 5,240,000.00	\$ 5,040,000.00	\$ 200,000.00	\$ -	\$ 200,000.00
Sewer	Infrastructure	Lateral Sewer	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ 250,000.00
Sewer	Infrastructure	Infiltration Control	\$ 3,620,000.00	\$ -	\$ 2,620,000.00	\$ 1,000,000.00	\$ 3,620,000.00
Sewer	Infrastructure	Sewer Pumping Rehab	\$ 450,000.00	\$ -	\$ -	\$ 1,000,000.00	\$ 450,000.00
Sewer	Infrastructure	Sewer Reconstruction Program	\$ 4,000,000.00	\$ -	\$ -	\$ 4,000,000.00	\$ 4,000,000.00
Sewer	Infrastructure	Interceptor Inspection	\$ 790,000.00	\$ -	\$ -	\$ 2,000,000.00	\$ 790,000.00
Sewer	Infrastructure	Surface Drainage	\$ 100,000.00	\$ -	\$ -	\$ 1,000,000.00	\$ 100,000.00
Sewer	Infrastructure	Combined Sewer Flow	\$ 1,500,000.00	\$ -	\$ 1,500,000.00	\$ -	\$ 1,500,000.00
Sewer	Infrastructure	CMOM Compliance	\$ 350,000.00	\$ -	\$ 350,000.00	\$ -	\$ 350,000.00
Sewer	Infrastructure	Belmont Street Force Main	\$ 65,000.00	\$ -	\$ 65,000.00	\$ -	\$ 65,000.00
Sewer	Infrastructure	Green Island Flooding	\$ 2,850,000.00	\$ -	\$ 2,850,000.00	\$ -	\$ 2,850,000.00
Sewer	Infrastructure	Generator Rehab	\$ 350,000.00	\$ -	\$ 350,000.00	\$ -	\$ 350,000.00
Sewer	Infrastructure	Storm Water Permit	\$ 525,000.00	\$ -	\$ -	\$ 1,000,000.00	\$ 525,000.00
Sewer	Infrastructure	Lake Ave. I/I Pump	\$ 600,000.00	\$ -	\$ 600,000.00	\$ -	\$ 600,000.00
Sewer	Infrastructure	New Sewer Construction	\$ 500,000.00	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00
DPW Sewer Division Infrastructure Sub-Total:			\$ 21,190,000.00	\$ 5,040,000.00	\$ 8,785,000.00	\$ 10,500,000.00	\$ 16,150,000.00

Sewer Route 20 Sewer: Establishes sewer for Route 20 commercial development area
Sewer Lateral Sewer: Continues ongoing replacement or installation of sewer lines
Sewer Infiltration Control: Continues program to identify and reduce likelihood of sewer overflows
Sewer Sewer Pumping Rehab: Provides ongoing improvements to the 31 sewer pump stations, improving efficiency and reliability of the system
Sewer Sewer Reconstruction Program: Continues ongoing replacement or installation of sewer lines
Sewer Interceptor Inspection: Continues ongoing program of sewer inspection using a combination of laser, sonar, and video inspection to identify potential problem areas
Sewer Surface Drainage: Addresses drainage and street flooding issues including catch basin installation and repair
Sewer Combined Sewer Flow: Continues ongoing program to develop and implement the EPA-mandated combined sewage overflow (CSO) long term control plan (LTCP), including integrated planning efforts with the Upper Blackstone Water Pollution Abatement District
Sewer CMOM Compliance: Continues ongoing Capacity Management Operational Maintenance (CMOM) program including the Maintenance Management System
Sewer Belmont Street Force Main: Allows for completion of final punch list items, commissioning-related tasks, and debugging items related to the \$ 8 million pump station rehab project
Sewer Green Island Flooding: Allows for review and implementation of strategies to reduce flooding in the Green Island neighborhood
Sewer Generator Rehab: Continues ongoing rehabilitation of the generators servicing sewer pump stations
Sewer Storm Water Permit: Continues ongoing development of plans and agreements with EPA to establish the City's stormwater permit and meet the obligations thereunder
Sewer Lake Ave I&I Pump: Continues ongoing improvements to the Lake Ave pump station to reduce potential for overflows
Sewer New Sewer Construction: Allows for the construction of new sanitary and surface sewers in streets where there are currently no public sewers

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Water	Infrastructure	Filtration Plant Modification	\$ 3,000,000.00	\$ -	\$ -	\$ 3,000,000.00	\$ 3,000,000.00
Water	Infrastructure	Water Main Gates	\$ 2,800,000.00	\$ -	\$ -	\$ 4,000,000.00	\$ 2,800,000.00
Water	Infrastructure	Water Meter Replacement	\$ 2,000,000.00	\$ -	\$ -	\$ 2,200,000.00	\$ 2,000,000.00
Water	Infrastructure	Water Pump Station	\$ 700,000.00	\$ -	\$ 450,000.00	\$ 250,000.00	\$ 700,000.00
Water	Infrastructure	Reservoir Rehab/Dams	\$ 2,000,000.00	\$ -	\$ -	\$ 2,250,000.00	\$ 2,000,000.00
Water	Infrastructure	Hydrants	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	\$ 200,000.00
Water	Infrastructure	Water Leak Detect./Acct Analysis	\$ 250,000.00	\$ -	\$ 200,000.00	\$ 50,000.00	\$ 250,000.00
Water	Infrastructure	Cross Conn. Detect/Survey	\$ 80,000.00	\$ -	\$ -	\$ 100,000.00	\$ 80,000.00
Water	Infrastructure	Water Shed Land Acquisition	\$ 1,000,000.00	\$ -	\$ 700,000.00	\$ 300,000.00	\$ 1,000,000.00
Water	Infrastructure	Water Systems Security	\$ 300,000.00	\$ -	\$ 150,000.00	\$ 150,000.00	\$ 300,000.00
Water	Infrastructure	Transmission Mains Rehab	\$ 5,000,000.00	\$ -	\$ 1,000,000.00	\$ 4,000,000.00	\$ 5,000,000.00
DPW Water Division Infrastructure Sub-Total:			\$ 17,330,000.00	\$ -	\$ 2,500,000.00	\$ 16,500,000.00	\$ 17,330,000.00
Water Filtration Plant Modification: Allows for Ozone Replacement Project, Other Filtration plant improvements							
Water Main & Gates: Allows for continuing rehabilitaiton of the water distribution system including water main replacement associated with the street resurfacing program							
Water Water Meter Replacement: Continues large scale meter replacement program, providing improved metering reading accuracy and communication							
Water Water Pump Station: Provides rehabilitation of the City's water pump stations to allow for proper distribution of the City's water supply							
Water Reservoir Rehab/Dams: Provides for rehabilitation of city dams, gate houses, and appurtenant structures in our reservoir system							
Water Hydrants: Replaces or upgrades damaged hydrants							
Water Water Leak Detect/Act Analysis: Continues citywide program to identify leaks in the water distribution system							
Water Cross Conn. Detect Survey: Continues ongoing program to test cross connection locations in the water system							
Water Water Shed Land Acquisition: Allows the purchase of land and conservation restrictions in the City's watershed to prevent development and to protect the water supply							
Water Water Systems Security: Continues the installation/upgrade of security systems at vulnerable water distribution system facilities.							
Water Transmission Mains Rehab: Provides for ongoing 48 inch and 42 inch low pressure service transmission main rehabilitation program							

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Parks	Infrastructure	Playground Improvements	\$ 1,100,000.00	\$ 400,000.00	\$ 500,000.00	\$ 200,000.00	\$ 700,000.00
Parks	Infrastructure	Betty Price Park	\$ 1,500,000.00	\$ 250,000.00	\$ 750,000.00	\$ 500,000.00	\$ 1,250,000.00
Parks	Infrastructure	Hadwen Park	\$ 450,000.00	\$ 300,000.00	\$ -	\$ 1,000,000.00	\$ 150,000.00
Parks	Infrastructure	South Worcester Playground	\$ 1,500,000.00	\$ 400,000.00	\$ -	\$ 2,000,000.00	\$ 1,100,000.00
Parks	Infrastructure	Grant Square	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00
Parks	Infrastructure	Institute Park	\$ 200,000.00	\$ -	\$ -	\$ 500,000.00	\$ 200,000.00
Parks	Infrastructure	Rectangular Field Turf - Farber Fie	\$ 150,000.00	\$ -	\$ -	\$ 2,500,000.00	\$ 150,000.00
Parks	Infrastructure	Memorial Review	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
Parks	Infrastructure	GBV/Tacoma	\$ 100,000.00	\$ -	\$ -	\$ 500,000.00	\$ 100,000.00
Parks	Infrastructure	94 Southgate Street	\$ 425,000.00	\$ -	\$ -	\$ 425,000.00	\$ 425,000.00
Parks	Infrastructure	Indian Hill Park	\$ -	\$ -	\$ -	\$ 500,000.00	\$ -
Parks	Infrastructure	Green Hill Park	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Parks	Infrastructure	Greenhill Park WW1 Memorial	\$ 310,000.00	\$ -	\$ -	\$ 310,000.00	\$ 310,000.00
Parks	Infrastructure	Dog Park	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Parks	Infrastructure	Holmes Field	\$ 1,500,000.00	\$ -	\$ 1,500,000.00	\$ -	\$ 1,500,000.00
Parks	Infrastructure	Rectangular Field Turf - Glodis Fie	\$ 500,000.00	\$ -	\$ 500,000.00	\$ -	\$ 500,000.00
Parks	Infrastructure	Hope Cemetery - Area Developmen	\$ 1,350,000.00	\$ 1,350,000.00	\$ -	\$ 1,350,000.00	\$ -
Parks	Infrastructure	Hope Cemetery - Digitizing Cemete	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Parks	Infrastructure	Hope Cemetery - Design & Repair	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ -
Parks	Infrastructure	Hope Cemetery - Roadway Repairs	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00
Parks Infrastructure Sub-Total:			\$ 10,485,000.00	\$ 2,700,000.00	\$ 3,250,000.00	\$ 11,185,000.00	\$ 7,535,000.00

<p>Parks Playground Improvements: Begin removal of existing playgrounds that have outlived their useful life, install new safety surfacing at facilities, and renovate existing playgrounds as necessary. (PARC GRANT FY17)</p>
<p>Parks Betty Price: Renovation of the existing playground, retaining wall, upgraded walkways, tree planting, site grading, and other improvements to allow better overall operation of the facility.</p>
<p>Parks Hadwen Park: Complete master plan and design for LWCF Grant.</p>
<p>Parks South Worcester Playground: Design for the redevelopment of this existing parking area to include the former site of the pool, new ADA access to the building and building renovations (APPLY FOR PARC GRANT).</p>
<p>Parks Grant Square: Electrical upgrade due to new street paving.</p>
<p>Parks Institute Park: Design of walkway to construction documents and fence install at O'Connell Field.</p>
<p>Parks Rectangular Field: This funding will be used to renovate an existing soccer field with a new base layer, new synthetic turf, lighting, accessible access, access viewing area, new drainage and addressing any environmental issues.</p>
<p>Parks Memorial Review: Continue review of monuments and memorials in City Parks to include design of renovations based on priority and implement improvements based on priority.</p>
<p>Parks GBV/Tacoma: Master Plan for both facilities & sports field lighting at GBV.</p>
<p>Parks 94 Southgate Street: Playground development</p>
<p>Parks Indian Hill Park: Renovations to existing ball fields to include new sports lighting, irrigation, access walkways, bleachers, fencing and playground.</p>
<p>Parks Green Hill Park: Continued renovations to Green Hill Farm, renovations to the WWI Memorial Grove and the moving of the Community Gardens (Gateway Cities Grant).</p>
<p>Parks Dog Park: Implementation of recommendation of the Dog Park Master Plan, to include design services, infrastructure improvements, signage, poop bags, etc. (Possible grant from Stanton Foundation)</p>
<p>Parks Holmes Field: Playground, tennis court and walkway development.</p>
<p>Parks Rectangular Field: This funding will be used to renovate an existing soccer field with a new base layer, new synthetic turf, lighting, accessible access, access viewing area, new drainage and addressing any environmental issues.</p>
<p>Parks Hope Cemetery: Implementation of Master Plan: Development of Areas 1 & 5, cameras, entrance lights & Gates, Digitizing Cemetery Records, Fence Renovations along Webster Street with assistance from the Friends of Hope Cemetery, roadway repairs, design and development of new maintenance area.</p>
<p> </p>

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
ED	Infrastructure	City Square Direct	\$ 200,000.00	\$ -	\$ 7,885,000.00	\$ -	\$ 200,000.00
ED	Infrastructure	City Square Delegated	\$ 500,000.00	\$ -	\$ 81,200,000.00	\$ -	\$ 500,000.00
ED	Infrastructure	Blackstone Gateway Park	\$ 2,260,000.00	\$ -	\$ 3,500,000.00	\$ -	\$ 2,260,000.00
ED	Infrastructure	Union Station	\$ 1,000,000.00	\$ -	\$ -	\$ 1,000,000.00	\$ 1,000,000.00
ED	Infrastructure	WRA Urban Renewal	\$ 1,000,000.00	\$ -	\$ 500,000.00	\$ 1,000,000.00	\$ -
ED	Infrastructure	Wayfinding	\$ 500,000.00	\$ -	\$ 500,000.00	\$ -	\$ 500,000.00
Economic Development Infrastructure Sub-Total:			\$ 5,460,000.00	\$ -	\$ 93,585,000.00	\$ 2,000,000.00	\$ 4,460,000.00

Economic Development CitySquare Direct: As part of this public-private partnership, the City has invested into a revamped roadway network in the heart of the Downtown. In addition, a 550 space public parking garage was recently constructed. Remaining costs include completing a scope of work through DPW for Trumbull Street, to coincide with the opening of the hotel and the residential projects. DPW has advised that \$200,000 will cover the job.

Economic Development CitySquare Delegated: As part of this public-private partnership, the City has invested into a revamped roadway network in the heart of the Downtown. In addition, a 550 space underground public parking garage was recently constructed. Remaining costs include completing a scope of work dependent upon the hotel work being completed. This includes Garage elevator tie-in to garage fire alarm communications; garage stair ventilation fan installation; and Trumbull Street ramp garage entrance parking equipment installation. Pricing to be forthcoming from the hotel contractor to complete the work on behalf of CitySquare II Dev. Co. LLC for the City garage so the above request is a placeholder.

Economic Development Blackstone Gateway Park: Blackstone Gateway Park will feature a half-mile of accessible walking paths, elevated boardwalks and pedestrian bridges. This new riverfront park will stand out as a unique urban park providing recreational amenities while maintaining the feel of a forested park as it spans a section of the Middle River that runs into the headwaters of the Blackstone River, adjacent to McKeon Road. It is a "sister" project to the new Visitor Center project, and includes partners such as Holy Cross, Mass Audubon, the Commonwealth of MA, Worcester Cultural Coalition, Worcester Historical Museum, and Congressman McGovern's Office.

Economic Development Union Station: The biggest component of this request is related to State of Good Repair grant improvements to the Union Station facility. Leak remediation work is under design and construction will commence shortly. Other improvements currently under design include repairs to the façade, upgrades to the main façade lighting, installation of automated lighting controls, decommissioning of the wheelchair lift and installation of a new handicap ramp, interior repainting, and repair to the flag poles. Construction is anticipated to begin in late spring 2017.

Economic Development Urban Renewal: Through the recent approval of a Downtown Urban Revitalization Plan, the Worcester Redevelopment Authority has been working with the City to identify possible actions (infrastructure/public realm and acquisition) contemplated in the Plan.

Economic Development Wayfinding: Provide funding for Wayfinding project.

Dept.	Category	Project Title	Est. FY18 Total Spending	Grant/Donation Funds	Carryover Previously Authorized	FY18 New Authorization	Est. FY18 New Borrowing
Public Sch	Facility Improv.	Various School Equipment	\$ 500,000.00	\$ -		\$ 500,000.00	\$ 500,000.00
Public Sch	Facility Improv.	Compressor Replacements (4)	\$ 250,000.00	\$ -		\$ 250,000.00	\$ 250,000.00
Public Sch	Facility Improv.	Paint Interior of School	\$ 200,000.00			\$ 200,000.00	\$ 200,000.00
Public Sch	Facility Improv.	Repair Parking Lots	\$ 100,000.00			\$ 100,000.00	\$ 100,000.00
Public Sch	Facility Improv.	Repave Parking Lot	\$ 50,000.00			\$ 50,000.00	\$ 50,000.00
Public Sch	Facility Improv.	Replace Lead & Copper Fixtures	\$ 30,000.00			\$ 30,000.00	\$ 30,000.00
Public Sch	Facility Improv.	MSBA School Improvements	\$ 3,000,000.00			\$ 3,000,000.00	\$ 3,000,000.00
Public School Equipment Sub-Total:			\$ 4,130,000.00	\$ -	\$ -	\$ 4,130,000.00	\$ 4,130,000.00
Public Schools Equipment: Provide funding for various school equipment.							
Public Schools Compressor Replacements (4): Provide funding for replacement of compressors at the Technical High School.							
Public Schools Paint Interior of School: Provide funding for painting of the interior of Canterbury St School							
Public Schools Repair Parking Lots: Provide funding for repairs at various school parking lots.							
Public Schools Repave Parking Lot: Provide funding for the repavement of the parking lot at Canterbury St School.							
Public Schools Replace Lead & Copper Fixtures: Provide funding for replacement of Lead and copper fixtures at various schools.							

Fiscal Year 2018 Five Year Capital Plan
Fiscal Year 2018 - 2022

Equipment	FY18	FY19	FY20	FY21	FY22
Assessing	25,000.00	25,000.00	25,000.00	25,000.00	-
DCU Center	420,500.00	296,000.00	185,000.00	493,000.00	-
City Clerk and Elections	25,000.00	25,000.00	25,000.00	25,000.00	-
City Manager	10,000.00	-	-	-	-
Energy And Asset Management	23,400.00	500.00	4,200.00	500.00	500.00
Fire Department	551,050.00	2,058,852.00	678,932.00	1,204,084.00	1,229,219.00
Human Resources	75,000.00	-	-	-	-
Inspectional Service	75,000.00	93,500.00	105,000.00	80,000.00	80,000.00
Library	40,000.00	-	-	-	-
Police	515,828.00	460,000.00	460,000.00	460,000.00	460,000.00
DPW- Public Works	419,000.00	-	-	-	-
DPW - Parks	889,500.00	1,105,000.00	1,186,500.00	1,201,000.00	1,149,500.00
DPW - Water	1,603,000.00	645,000.00	385,000.00	798,000.00	620,000.00
DPW - Sewer	1,895,000.00	135,000.00	225,000.00	375,000.00	425,000.00
Elder Affairs	17,700.00	12,000.00	12,000.00	17,700.00	4,000.00
Technical Service	288,000.00	305,000.00	70,000.00	365,000.00	70,000.00
Worcester Public Schools	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00
Total Equipment	7,372,978.00	5,660,852.00	3,861,632.00	5,544,284.00	4,538,219.00

Fiscal Year 2018 Five Year Capital Plan

Fiscal Year 2018 - 2022

Facility Improvement	FY18	FY19	FY20	FY21	FY22
DCU Center	-	4,362,000.00	480,000.00	480,000.00	480,000.00
City Clerk and Elections	4,000.00	-	-	-	-
Energy And Asset Management	454,500.00	4,857,000.00	2,271,500.00	653,000.00	700,000.00
Fire Department	86,350.00	108,300.00	50,000.00	-	-
Inspectional Service	-	125,000.00	-	-	-
Police	30,000.00	475,000.00	-	-	-
DPW- Public Works	200,000.00	100,000.00	200,000.00	100,000.00	200,000.00
DPW - Parks	400,000.00	100,000.00	100,000.00	100,000.00	100,000.00
DPW - Water	200,000.00	200,000.00	200,000.00	200,000.00	250,000.00
DPW - Sewer	475,000.00	100,000.00	100,000.00	100,000.00	100,000.00
Worcester Public Schools	3,630,000.00	3,000,000.00	3,000,000.00	3,000,000.00	3,000,000.00
Total Facility Improvement	5,479,850.00	13,427,300.00	6,401,500.00	4,633,000.00	4,830,000.00

Infrastructure	FY18	FY19	FY20	FY21	FY22
Economic Development	4,460,000.00	716,000.00	-	-	-
DPW- Public Works	3,285,000.00	3,550,000.00	3,550,000.00	3,050,000.00	3,050,000.00
DPW- Streets	12,210,000.00	13,800,000.00	13,100,000.00	13,400,000.00	12,650,000.00
DPW - Parks	7,535,000.00				
DPW - Water	17,330,000.00	14,350,000.00	14,850,000.00	13,750,000.00	14,700,000.00
DPW - Sewer	16,150,000.00	11,800,000.00	11,800,000.00	11,800,000.00	12,100,000.00
DPW - Off Street	9,715,000.00	-	-	-	-
Total Infrastructure	70,685,000.00	44,216,000.00	43,300,000.00	42,000,000.00	42,500,000.00