



Welcome
to
Newton
The Garden City

City of Newton, Massachusetts

Mayor Ruthanne Fuller's

Supplemental Capital

Improvement Plan

FY2022-FY2026

May 12, 2021



Ruthanne Fuller
Mayor

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May 12, 2021

Honorable City Council
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Re: FY2022-FY2026 Supplemental Capital Improvement Plan and FY2021 Projects to be Docketed

Dear Honorable Councilors,

Attached please find my submittal of the FY2022-FY2026 Supplemental Capital Improvement Plan (CIP) and the list of items for which the Administration expects to request funding in the remaining seven weeks of Fiscal Year 2021.

One of the top priorities of my Administration is to maintain and improve the City of Newton's infrastructure. Our school buildings, police and fire stations, parks, library, roadways, and emergency and public works vehicles are some of the many assets that require regular replacement and maintenance to continue to meet the needs of this active city. In order to plan funding for these projects, the City of Newton has created a Capital Improvement Plan, updated semiannually, that provides a five-year outlook for capital investments.

The submittal of this FY2022-FY2026 Supplemental Capital Improvement Plan comes at both a challenging financial time for the City due to COVID-19 pandemic revenue losses and a time of opportunity created by the Federal American Rescue Plan Act (ARPA). Newton is expected to receive approximately \$63 million in ARPA funding in several distributions with the funds incurred or spent before December 31, 2024. As outlined in both last year's Supplemental CIP and the FY2022-FY2026 CIP this past fall, the dramatic financial impact of the pandemic will continue to be felt into Fiscal Year 2022. This Supplemental CIP updates the City's CIP with proposed spending on critical projects that were previously deferred and important new projects that have arisen in the past six months, given both the City's needs and what the federal ARPA guidance appears to allow. We continue to carefully review the interim guidance on ARPA from the Department of the Treasury, 151 pages in length, that was released on Monday.

Last year during the pandemic, my highest priority had been to protect our core municipal and educational services and support our residents, businesses and non-profits. The City was not in a position to commit to significant capital investments last year, often funded with bonds that require payments over many years, given the financial risks the City faced. As a result, the Administration

made the disappointing but necessary decision to delay or put “on hold” most capital improvement projects and investments for a year. Only those with funding in place or those that were the most critical were allowed to move forward.

My goal is to use these significant, one-time ARPA funds to seed those initiatives that will help Newtonians and our villages not just stabilize and recover but permanently be a better place. We will invest these funds, not just spend them, to help make Newton more inclusive, more livable, more vibrant, more green and more sustainable in the decades ahead. We will invest these funds using the lens of equity, ensuring all geographic areas of Newton, all ages, all races, and all people are supported, with a special focus on those most hurt by the pandemic.

My focus regarding use of the ARPA funds, as guided by the Act itself, is to help those hurt in the pandemic, to spur our recovery, and to build a better Newton. We will use funds to respond to the public health emergency and its negative economic impacts (ARPA Section 1A) and for the provision of government services to the extent of the reduction in revenue due to the COVID-19 public health emergency (ARPA Section 1C). Not only do we need to jumpstart the City’s economic recovery and the vitality of our village centers, but we need to be able to recover lost time on critical investments when revenue losses required us to defer investments.

This FY2022-FY2026 Supplemental Capital Improvement Plan (CIP) includes a significant number of revisions to the CIP presented in October 2020. There are seven new projects and three removed compared to the October 2020 document, leaving 213 total projects. Project revisions were made to the CIP where the urgency, prioritization, nature of the project, or a grant opportunity changed, or due to the potential of ARPA funding. Below is a summary of the most significant changes.

Significant Changes in the FY2022-FY2026 Supplemental CIP

Transportation Network Improvement Program – Increased Investments

This 10-year program, formerly called the “Accelerated Roads Program,” had been funded at \$9.5 million per year for several years prior to the pandemic and in the FY2021 CIP presented in October 2019. The funding came from several sources – Chapter 90 state funded grants for street improvements, several accounts in the DPW operating budget, 2013 city override funds, free cash, and overlay surplus. Due to the sudden revenue drops last spring, the Fuller Administration was not able to use \$2.5 million in free cash to fund street improvements in FY2021. The total program budget was reduced to \$5.0 million in the final FY2021 budget.

A few weeks ago, in April 2021, the Fuller Administration docketed \$2.5 million, using ARPA’s “Lost Revenue” funding to make up for lost City revenue and to boost economic vitality, to allow the Department of Public Works to do more major road projects, preventative maintenance of streets, sidewalk repairs and installations, as well as repairs on roads in very poor shape with Pavement Condition Index figures below 25. In addition, the Fuller Administration will also be docketing shortly \$400,000-\$500,000 in savings in DPW to bring the FY2021 program funding up to \$8.0 million. We are planning to use a combination of Chapter 90, operating budget funds, 2013 override funds, ARPA

funds, free cash, and other sources to return the Transportation Network Improvement Program and our complete streets implementation to an annual \$9.5 million budget in FY2022 and beyond.

DPW will finish two significant complete streets projects over the next several months - West Newton Square and Newtonville village center. Those projects combined cost \$12.7 million. We hope to undertake a Newton Highlands village center project in the coming years.

Library Children’s Room Expansion – Project Restarted

ARPA funding to the City will allow the construction of this important project, with a design completed a year ago, to get back on track with a start in FY2022 or early FY2023. The Children’s Room is a major draw for library users and is significantly undersized for today’s programming needs. Library staff are determining the best time given post pandemic re-opening, the parking lot rehabilitation project and program timelines to begin the phased project expected to take a year to complete. Estimated project cost has been increased to \$2.0 million from \$1.75 million given the strong possibility that construction costs have risen over the past year.

Newton Early Childhood Program at the Former Horace Mann School – Project Restarted

The Newton Early Childhood Program (NECP) currently operates at 150 Jackson Road. Last summer a renovation had been scheduled at former Horace Mann Elementary School at 687 Watertown Street for the new home of NECP. The renovation was delayed last year because of the pandemic funding crisis. The difficult decision was made at the start of the pandemic to postpone the bidding and construction and the commitment to the project expenditure and debt payments. The City Council had approved \$13 million in project funding before the pandemic but that price tag may rise due to construction cost changes. While it is difficult to project costs accurately at the current time due to supply chain issues in construction, the current estimate is \$14.5 million. If the project cost comes in higher than \$13 million, it will return to the Council for approval.

Lincoln-Eliot School at 150 Jackson Road – Project Restarted

The feasibility and design work on this important project at 150 Jackson Road to develop a new Lincoln-Eliot School was put on hold last year since the NECP construction project had been put on hold as noted above; the NECP program must move out of 150 Jackson Road before construction there can begin. The project team for this Title 1 school project will be re-assembled shortly and begin to determine program needs and space options for the building and site for a high-quality teaching and learning facility. Given the timeline changes for the project, and the need to ensure a top-notch facility comparable to our other new/renovated schools, the project cost is now estimated at \$40 million. The goal currently is to have the Lincoln-Eliot in its new home open in 2025.

Franklin and Countryside Elementary School Projects – Schedule Change and MSBA Announcement

The important Franklin and Countryside elementary school projects, both submitted in recent years to the Massachusetts School Building Authority (MSBA) for possible state funding, were moved back a year in last year’s CIP along with most other school projects due to the pandemic. This April 2021, the MSBA announced that they were accepting the Countryside School into their Eligibility Phase for the Core Program, the first stage of their school funding program. The City will provide \$1 million in FY2022 for a feasibility study of this Title 1 school, using ARPA funds, as part of the MSBA process. Since the

design enrollment (and therefore building size) still needs to be determined with the MSBA, the current project cost estimate is broad, from \$50 million to \$60 million. The MSBA has generally funded about 35% of new school projects in Newton. The Franklin School project is also a very important project, although not likely to be funded by the MSBA. Using ARPA funds to jump start this project, a feasibility study will be started in FY2022-2023 to evaluate program, enrollment, space/facility options, and costs. The source of funds for the remainder of these two project costs is not determined at this time.

Horace Mann Elementary School Project – Funding Change

Newton Public Schools completed in November 2020 a feasibility study to assess existing conditions and space use, and to help develop a long-range space plan for a possible future addition at the Horace Mann Elementary School. The report's conceptual plan calls for an addition off the rear of the current gymnasium. Using ARPA funds to jumpstart this project, the City will undertake a more detailed feasibility analysis, including review of enrollment projections, beginning in FY2022-FY2023. The total cost estimate is \$12 million. The funding source for detailed design and construction is not determined at this time.

Ward and Underwood Elementary Schools Project – Funding Change

The system's two oldest schools, Underwood and Ward, will be reach their centennials this decade. Both schools have low enrollment, outdated and undersized facilities, are located on small NPS properties, with districts that are adjacent to each other. In early 2020, NPS began an in-house evaluation of the two schools, but that was put on hold due to the pandemic. While NPS may restart this evaluation process, the CIP includes feasibility study money using ARPA funds in the FY2024-FY2025 time frame.

New Projects

Seven new projects have been created:

- Newton North Field Lights – With the heavy use of the NNHS fields and the recently approved start/end time shift at the high school level, there is an immediate need for field lights at Newton North's main field. These lights would be similar to the low light spillage, high quality LED lights recently installed at Newton South's main field. Funding will likely be a combination of fundraising, ARPA, and NPS/City funds. The cost estimate is \$500,000.
- Police Training Facility and Space Upgrades – This project will focus on providing a 21st century adaptive police training facility and improved departmental operations and security. A feasibility study will take place in FY2022, design in FY2023 and construction in FY2024. This project is in addition to the ongoing HVAC project and the future Site Security/Parking Lot/Accessibility Improvement project. The total cost estimate is \$3 million.
- Rehabilitation of Athletic Fields– The City's athletic field infrastructure at both parks and schools need significant improvement. The Parks, Recreation & Culture Department is developing a long-term plan of field improvement projects for the next five years, with several projects going to the Community Preservation Committee for funding approval in 2021. The goal is to improve field quality and increase field use hours by rearranging fields, adding or improving lighting and

rehabilitating the fields themselves. The total cost estimate for the five-year period is \$3.75 million, using a combination of CPA and ARPA funds.

- Upper Falls – Northland Splash Park – As part of their large mixed-use project, Northland Development will construct, and then turn over to the City, a splash park next to the Upper Falls Greenway and near Pettee Square. It is included in the CIP since it will become a City asset in the near future. The Parks, Recreation & Culture Department is meeting with the Northland team on the project to look at design and operational issues.
- Horace Mann Elementary School/Day Middle School/NECP Improvements (Safe Routes to School) Project – This state funded project will upgrade the intersections of Crafts Street - Albemarle Road and North Street – Albemarle Road to improve bicycle and pedestrian accommodations near Day Middle School, Horace Mann Elementary School and the relocated NECP. State funding totals \$893,887.
- Replacement of Automatic Water Meter Infrastructure System – The system connecting our water meters inside our homes and businesses to the Utilities Department’s telemetry reading system is rapidly failing and needs replacement. The project includes the installation of transponders and the development of an online customer portal that would significantly improve resident/ business monitoring of water use and billing. The total cost estimate is \$4.5 million to be funded by the Water Enterprise Fund.
- Municipal Parking Lot Improvements – Many municipal parking lots in village centers and other locations are in need of reconstruction, including accessibility and stormwater improvements. This \$3 million of investments will commence in FY2023 after the completion of the Pearl Street and Library parking lots, using a combination of ARPA, City bonding, and Stormwater Fund funds.

Project Cost Increases

After re-evaluation of future project scopes, revised construction estimates, actual bids being received, and/or the restoration of pandemic-era deferrals made in the fall CIP, a number of projects have increased costs:

- Reconstruction of Commonwealth Avenue from East of Auburn Street to Ash Street (Auburndale): State funding of construction has raised this project total cost to \$6,677,858
- Newton Early Childhood Program: Given uncertainties in the construction industry right now, the project cost has been increased from \$13 million to \$14.5 million
- Permitting Software: After the selection of Open Gov as the City’s vendor, the Council passed a docket item for a project budget of \$1,137,285, up from \$750,000
- Horace Mann School Playground Improvements: The project cost was increased from \$150,000 to \$250,000 based in new in-house project cost estimates
- Library Children’s Room Expansion: Given uncertainties in the construction industry right now, this has been increased from \$1.75 million to \$2.0 million
- Levingston Cove, Shoreline Improvements at Crystal Lake: As designs progress and with uncertainties in construction costs, the project cost estimate for this has increased from \$850,000 to \$1,000,000

- Halloran Field Lights and Field Reconfiguration Phase 1: The project cost has increased from \$800,000 to \$3,270,000 to incorporate significant field reconfiguration and improvement work and new estimates for light replacement and moves
- Waban Hill Covered Water Storage: After the bidding process, the Council approved the project at \$1,150,000, up from the \$900,000 estimate in the fall CIP
- City-wide Municipal Vehicles and Equipment: This program had been reduced in the fall CIP due to the pandemic by \$500,000 a year for the FY2022-FY2026 period. These reductions have been restored back to the \$2 million per year spending level.
- Transportation Network Improvement Program – Paving/Sidewalks/Accessibility: This program had been significantly reduced in the fall CIP due to the pandemic by several million dollars a year. These reductions have been restored back to the \$9,500,000 per year spending level.
- Complete Streets Improvements – Newton Highlands: This has changed from a sole focus on improving Centre Street in the Highlands to a more comprehensive Highlands village center improvement project. As the scope has changed significantly, the project cost has increased from \$1,600,000 to an estimated \$5,000,000.

Notable Project Ranking Changes

Due to changes in project schedules and prioritization, some project rankings have changed since the October 2020 CIP. Notable larger changes include:

- Countryside and Franklin Schools have moved up from #75 and #74, to #41 and #42
- Horace Mann Playground Improvements has moved up from #78 to #44
- 25% Conceptual Design for Washington St Corridor has moved up from #83 to #43
- Pellegrini Park Field House – Exterior Improvements has moved up from #136 to #54
- The West Newton Armory Reuse – Affordable Housing has moved up from #97 to #56
- Horace Mann School Addition and Improvements has moved up from #108 to #68
- Ward/Underwood Schools – Renovation/Replacement has moved up from #99 to #71
- Crescent Street Project – Rehab and Expand Ford Park has moved down from #25 to #78
- Jeanette Curtis West Rec. Center (the Hut) has moved up from #163 to #103
- Newton South High School – Mechanical Upgrades (Library) has moved down from #54 to #105
- Newton North Pool Air Handling Unit has moved down from #32 to #113

The two high school projects have moved down because of the significant investments in HVAC systems made by the City during the pandemic. The Crescent Street Project has been moved down waiting for the Council’s Real Property Reuse Committee to revisit the future use of that property.

Project Deletions

The following projects were completed during FY2021, or have been determined to no longer be necessary, and have been deleted from the CIP:

- Citywide Financial Systems (MUNIS Conversion): project is completed
- Fire Pumper Truck – Engine #2: project is completed

- Mechanical Equipment Replacements – Various Schools: project is no longer needed after HVAC project this past fall/winter

List of Anticipated FY2021 Capital Expenditures

I am providing this list of items for which the Administration anticipates funding to be requested in the next several weeks remaining in FY2021. The items are in two categories, General Fund projects and Enterprise Fund projects.

FY2021 - General Fund Projects

- Countryside School Feasibility Study: In keeping with MSBA's schedule for the Eligibility Period, the City needs to obtain approval for the Feasibility Study, estimated at \$1.25 million, in the near future.
- Transportation Network Improvement Plan: \$400,000 in reclassified DPW savings will be docketed for addition to the road paving/sidewalks program.
- Police Headquarters – Mechanical Upgrades: \$940,000 will be docketed for HVAC and communications infrastructure projects.

FY2021 – Enterprise Fund Projects

- Replace Water Pipelines (multiple projects): The City funds water pipeline rehabilitation projects using the MWRA's loan program. A \$20,837,000 docket item will be sent to the Council to cover projects over the next five years.

We look forward to discussing these proposed changes as well as the FY2022-FY2026 Capital Improvement Plan as the Honorable Council deliberates during the Fiscal Year 2022 Budget review process.

Thank you for your consideration of these important projects.

Sincerely,



Mayor Ruthanne Fuller

Supplemental CIP by Priority FY2022-FY2026

								Total	Total	Total	Total	Total	Total	Total
								\$ 120,959,917	\$ 2,980,000	\$ 51,768,000	\$ 91,797,500	\$ 88,670,000	\$ 62,426,000	\$ 81,765,000
Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
1	DPW	Complete Streets	Needham Street Upgrades	TIP Project to Pave and Improve Needham Street - Funded and managed by MassDOT	\$ 31,000,000	68.5	State TIP Funding	\$ 31,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	DPW	Complete Streets	Complete Streets Improvements - West Newton (Washington Street @Chestnut, Watertown, Cherry, Elm)	Upgrade traffic signal equipment, improve multimodal safety and operations, enhance streetscape, implement signal coordination	\$ 6,271,998	60.2	Bonding	\$ 6,271,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	DPW/ Sewer	Sewer	Sewer Inflow /Infiltration Project - Area 6 - Newton Centre, Newtonville, Chesnut Hill, & Nonantum	Part of 10 year program to remove excess inflow and infiltration into sewer system. Currently in year 5 of City-Wide Sewer Initiative.	\$ 6,011,859	60.2	Sewer Funds	\$ 6,011,859	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	DPW/ Water	Water	Replace Water Pipelines - Year 7	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project was for Year 7 of 20 year program.	\$ 4,546,200	59.6	Water Funds	\$ 4,546,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Public Buildings	Building	Wash Bay Refurbishment	Refurbish Crafts Street vehicle wash bay with automated vehicle wash system, including capture/recycle wash water.	\$ 500,000	59.2	Storm Funds	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	IT	Software	Replacement of City Hall Storage Area Network (SAN)	Replace Storage Area Network at end of life span and firewall improvements.	\$ 500,000	58.5	Free Cash	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	DPW/ Water	Water	Replace Water Pipelines - Year 8	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project is currently Year 8 of 20 year program.	\$ 4,560,200	58.4	Water Funds	\$ 4,560,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	DPW	Complete Streets	Transportation Network Improvement Program - Paving/Sidewalks/Accessibility	10 year Paving Initiative - Repair and Pave Scheduled Streets, Sidewalks, traffic calming and pavement markings throughout the City.	\$ 95,000,000	58.2	Chapt 90/Free Cash/Other Funds	\$ 7,600,000	\$ 400,000	\$ 9,500,000	\$ 9,500,000	\$ 9,500,000	\$ 9,500,000	\$ 9,500,000
9	DPW/ Sewer	Sewer	Sewer Inflow /Infiltration Project - Area 7 - Upper Falls, Highlands, Thompsonville	Part of 10 year program to remove excess inflow and infiltration into sewer system. Will be in year 6 of City-Wide Sewer Initiative.	\$ 6,000,000	58.1	MWRA Grant/Loan	\$ 6,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	DPW	Large Vehicle / Equipment	City-wide Municipal Vehicles and Equipment	Vehicle and Equipment Replacement Program for Construction and other city operations (not including public safety vehicles)	\$ 30,000,000	58.0	Bonding/Other Funds	\$ 2,383,464	\$ -	\$ 2,000,000	\$ 2,250,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000
11	DPW	Complete Streets	Complete Streets Improvements - Newtonville Traffic Signal/Corridor - Walnut Street (Walnut @ Cabot)	Improve safety and pedestrian accomodations, upgrade traffic signal equipment, enchance streetscape, improve multimodal safety and operations	\$ 6,297,411	57.7	Bonding/Mitigation Fund	\$ 6,297,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Schools	Building	Oak Hill Middle School Space Solution	3 classroom permanent exterior addition to the site due to rising enrollment from feeder schools	\$ 3,400,000	57.7	Bonding/Schools	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Schools	Building	Newton Early Childhood Program	Address long term facility needs of the NECP at 687 Watertown Street.	\$ 14,500,000	57.6	Bonding	\$ 13,000,000	\$ -	\$ 1,500,000			\$ -	\$ -
14	DPW	Complete Streets	Parking Meter Replacement	Update and modernize parking meter infrastructure to improve reliability and convenience	\$ 1,500,000	56.5	Bonding	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	DPW/ Water	Water	Replace Water Pipelines - Year 9	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project will be in year 9 of 20 year program.	\$ 7,000,000	56.4	Water Funds	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	DPW/ Storm	Storm	City Hall Ponds	Removal of sediment from 3 ponds adjacent to City Hall, 1000 Commonwealth Avenue	\$ 800,000	56.4	Storm Funds	\$ 500,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -

Supplemental CIP by Priority FY2022-FY2026

								Total	Total	Total	Total	Total	Total	Total
								\$ 120,959,917	\$ 2,980,000	\$ 51,768,000	\$ 91,797,500	\$ 88,670,000	\$ 62,426,000	\$ 81,765,000
Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
17	Planning	Complete Streets	Design Pettee Square/Upper Falls Greenway Improvements	Design targeted improvements to Pettee Square in Newton Upper Falls and extension of the Upper Falls Greenway to Curtis Street	\$ 396,500	56.4	State MassWorks Grant	\$ 396,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	IT	Software	Permitting software	Implement new city-wide Permitting Software	\$ 1,137,285	56.1	Free Cash	\$ 1,137,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	DPW/ Storm	Storm	Bullough's Pond Dam	Complete State-Required repair work for dam safety	\$ 1,454,000	55.6	Storm Funds	\$ 340,000	\$ -	\$ 1,114,000	\$ -	\$ -	\$ -	\$ -
20	Senior Center	Building	Newton Center for Active Living - NewCAL	Plan, site, design and build a community and senior center, the Newton Center for Active Living.	\$ 16,650,000	54.9	Bonding	\$ 600,000	\$ -	\$ 300,000	\$ 1,000,000	\$ 1,000,000	\$ 13,750,000	\$ -
21	DPW/ Water	Water	Waban Hill Covered Reservoir	Rehabilitation of pipes, valves, all appurtenances and roof replacement. Includes cleaning, inspection, design, construction, and services.	\$ 1,150,000	54.7	Water Funds	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	DPW/ Storm	Storm	South Meadow Brook Culvert under Needham Street	Year 1 - Inspection & assessment of box culvert. Year 2 Design & Rehabilitation of Box Culvert prior to the Reconstruction of Needham Street	\$ 3,205,000	54.6	Storm Funds/Possible State Funding	\$ 280,000	\$ -	\$ 500,000	\$ -	\$ -	\$ 2,425,000	\$ -
23	Parks & Rec	Parks / Open Space	Levingston Cove, Shoreline improvements at Cystal Lake	Renovation of entire lakefront park to include improvements to accessibility, drainage, erosion and water quality	\$ 1,000,000	53.8	CPA Eligible	\$ 50,000	\$ -	\$ 950,000	\$ -	\$ -	\$ -	\$ -
24	Schools	Building	Lincoln-Eliot at 150 Jackson Road	Elementary school at 150 Jackson Road, including site improvements and accessibility, needed playground, and field space.	\$ 40,000,000	53.6	Bonding	\$ 750,000	\$ -	\$ 400,000	\$ 38,850,000		\$ -	\$ -
25	Planning	Complete Streets	Reconstruction of Commonwealth Avenue (Route 30) from East of Auburn St to Ash St	Design for transforming the Commonwealth Avenue Carriageway between Lyons Field and the Charles River at Auburn Street. Project aims to create safe bicycle and pedestrian facilities to improve connectivity to green space, trails, and other recreational opportunities.	\$ 7,268,000	53.5	State TIP Funding/CPA	\$ 200,000	\$ 390,000	\$ -	\$ 6,678,000	\$ -	\$ -	\$ -
26	Police	Building	Police Headquarters - Mechanical Upgrades	Projects to replace HVAC and Communications systems.	\$ 1,000,000	53.3	Bonding	\$ 60,000	\$ 940,000	\$ -	\$ -	\$ -	\$ -	\$ -
27	DPW	Complete Streets	Newton Free Library Parking Space Expansion, Repaving, and Drainage Improvements	In conjunction with installation of solar canopies, the library park lot will be reconfigured and reconstructed to add parking spaces and improve accessibility and drainage	\$ 925,000	53.1	Bonding/Other Funds	\$ 175,000	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -
28	Planning	Complete Streets	Washington Place Mitigation Project	Implement mitigation projects in Newtonville arising from Washington Place development in Newtonville	\$ 700,000	53.1	Mitigation Funds	\$ 256,000	\$ -	\$ 444,000	\$ -	\$ -	\$ -	\$ -
29	DPW/ Sewer	Sewer	Sewer Inflow/ Infiltration Project - Area 8 - Upper Falls, Highlands	Part of 10 year program to remove excess inflow and infiltration into sewer system. Will be in Year 7 of City-Wide Sewer Initiative.	\$ 9,160,000	53.1	MWRA Grant/Loan/Sewer Funds	\$ 9,160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	DPW/ Sewer	Sewer	Sewer Inflow/Infiltration Project - Area 9 - Waban, Upper Falls & Oak Hill	Part of 10 year program to remove excess inflow and infiltration into sewer system. Will be in year 8 of City-Wide Sewer Initiative.	\$ 9,670,000	52.9	Sewer Funds	\$ 670,000	\$ -	\$ 4,500,000	\$ 4,500,000	\$ -	\$ -	\$ -
31	DPW/ Water	Water	Large Water Meter Changeout Program	Removal & Replacement of 125 commercial electromagnetic water meters sized 2"-8" diameter to improve accuracy.	\$ 1,035,000	52.7	Water Funds/MWRA	\$ 100,000	\$ -	\$ 935,000	\$ -	\$ -	\$ -	\$ -
32	DPW/ Sewer	Sewer	Sewer Inflow/Infiltration Project - Area 10 - Waban, Newton Highlands, Newton Centre, & Newton Corner	Part of 10 year program to remove excess inflow and infiltration into sewer system. Will be in year 9 of City-Wide Sewer Initiative.	\$ 10,020,000	52.7	Sewer Funds	\$ 813,000	\$ -	\$ -	\$ 207,000	\$ 4,500,000	\$ 4,500,000	\$ -

Supplemental CIP by Priority FY2022-FY2026

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Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
33	Parks & Rec	Parks / Open Space	Gath Memorial Pool Renovation	Gath Memorial Pool has served Newton residents for over 50 years. Though the building was recently renovated in 2013, the swimming pool and all attendant components (i.e. pump, filter, piping, decking, electrical, and chemical feeder) require complete renovation and replacement work to ensure continued enjoyment by the community. A renovation plan is needed to determine the cost to upgrade systems and restore the pool shell to stop water loss through leaks.	\$ 5,060,000	52.6	CPA/Other Funds	\$ 60,000	\$ -	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -
34	DPW/ Sewer	Sewer	Pump Station Assessment Upgrades	Design and construct Sewer Pump Stations as part of 10 year program.	\$ 15,000,000	52.5	Sewer Funds	\$ 447,000	\$ -	\$ -	\$ 3,500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
35	Public Safety	Emergency Comms	Radio System Infrastructure	Install continuous power, repeaters & receivers, and other radio system infrastructure improvements	\$ 2,960,000	52.5	Bonding	\$ 2,210,000	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -
36	Library	Building	Library Children's Room Expansion	Expand the undersized but heavily used Children's Room from 7100 sf to approximately 11,000. Increased accessibility in restrooms, paint, carpet, re-furnish	\$ 2,000,000	52.4	Other Funds/Bonding	\$ -	\$ -	\$ 2,000,000		\$ -	\$ -	\$ -
37	Parks & Rec	Parks / Open Space	Athletic Field Rehabilitation	Strategic investments in various parks in accordance with Parks Rec and Culture Master Plan	\$ 3,750,000	52.3	CPA Eligible/Other Funds	\$ -	\$ -	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
38	Schools	HVAC/Boilers	150 Jackson - Replace boiler	Replacement of oil boiler, if necessary	\$ 500,000	52.2	Free Cash/School Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39	DPW/ Water	Water	Replace Water Pipelines - Year 10	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project will be in Year 10 of 20 year program.	\$ 7,400,000	52.2	Water Funds	\$ -	\$ -	\$ 7,400,000	\$ -	\$ -	\$ -	\$ -
40	DPW/ Water	Water	Replace Automatic Meter Infrastructure System	Replace Water Automatic Meter Infrastructure system for residential and commerical properites. Includes installation of transponders as well as development of a Customer Portal	\$ 4,500,000	51.6	Water Funds	\$ -	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -
41	Schools	Building	Countryside School-Renovation/Addition	Feasibility Study/Design and Construction	\$ 55,000,000	51.6	Other Funds/Alternate Funding/MSBA Eligible	\$ -	\$ 1,250,000	\$ -	\$ 2,000,000	\$ 51,750,000	\$ -	\$ -
42	Schools	Building	Franklin - Renovation/Addition	Feasibility Study/Design and Construction	\$ 55,000,000	51.4	Other Funds/Alternate Funding	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 250,000	\$ 2,000,000	\$ 51,750,000
43	DPW	Complete Streets	25% Conceptual Design for Washington Street Corridor	Conceptual Design for Washington St. pilot to improve safety and pedestrian accommodations, improve traffic flow, ADA compliance. First phase is a pilot with 3 lanes, parking and bike lanes.	\$ 3,250,000	51.3	Other Funds/Bonding/Free Cash	\$ -	\$ -	\$ 250,000	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 1,000,000
44	Schools	Building	Horace Mann School Playground Improvements	Make improvements to playground facilities	\$ 250,000	50.7	Free Cash/Other Funds	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -
45	Police	Building	Police Training Facility and Space Upgrades	This project will focus on providing a 21st century adaptive police training facility, collaborative workspaces, and improved departmental operations and security.	\$ 3,000,000	48.7	Bonding/Other Funds			\$ 300,000	\$ 2,700,000			
46	Schools	Roof	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. Potential application to MSBA/ARP	\$ 580,000	48.0	Bonding/MSBA ARP	\$ -	\$ -	\$ 580,000	\$ -	\$ -	\$ -	\$ -
47	DPW/ Storm	Storm	Elliot & Crafts Street DPW Operations Yard	Modifications to existing storm water infrastructure to meet NPDES MS4 General Permits BMP's	\$ 1,000,000	47.6	Storm Funds	\$ -	\$ -	\$ 200,000	\$ -	\$ 800,000	\$ -	\$ -
48	Schools	Roof	Bigelow School - Roof Replacement	Replace entire building roof system. Roof is beyond its useful life.	\$ 750,000	47.5	Bonding/MSBA ARP	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -
49	DPW/ Storm	Storm	Union Street Drainage	The extension of storm drains on Union Street to alleviate flooding and icing issues in the area of Herrick Road	\$ 625,000	47.4	Storm Funds	\$ -	\$ -	\$ 625,000	\$ -	\$ -	\$ -	\$ -
50	Schools	Roof	Underwood School - Roof Replacement	Replace deteriorating built up gymnasium roof that is beyond its useful life.	\$ 150,000	47.3	Bonding	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -
51	Schools	HVAC/Boilers	Pierce Elementary - Heating system improvements	Heating system improvements	\$ 865,000	47.2	Bonding/MSBA ARP	\$ -	\$ -	\$ 30,000	\$ 835,000	\$ -	\$ -	\$ -

Supplemental CIP by Priority FY2022-FY2026

								Total	Total	Total	Total	Total	Total	Total
								\$ 120,959,917	\$ 2,980,000	\$ 51,768,000	\$ 91,797,500	\$ 88,670,000	\$ 62,426,000	\$ 81,765,000
Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
52	Schools	Parks / Open Space	Newton North High School Field Lights	Installation of Field Lights at Newton North's main athletic field.	\$ 500,000	47.1	Other Funds	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
53	Parks & Rec	Parks / Open Space	Halloran Field Lights and Field Reconfiguration Phase 1 (at Albemarle)	Replace 50 year old sports lighting structures and fixtures at Halloran and reconfigure existing fields for improved efficiency. (Albermarle)	\$ 3,270,000	47.1	CPA Eligible	\$ -	\$ -	\$ 70,000	\$ 3,200,000	\$ -	\$ -	\$ -
54	Parks & Rec	Building	Pellegrini Park Field House - Exterior Improvements	Envelope repairs, replace upper gym membrane roof with a new EPDM roof.	\$ 150,000	47.0	CPA Eligible	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -
55	Police	Building	Police Headquarters - Site Security, Parking Lot, Accessibility	Site security upgrades including fencing, automated gates, controls, lighting, etc. Full depth repair and reconstruction of the parking lot. Reconstruct exterior ramp to code compliant slope. Provide accessible parking & signage.	\$ 720,000	47.0	Bonding	\$ -	\$ -	\$ 120,000	\$ 600,000	\$ -	\$ -	\$ -
56	Planning	Building	West Newton Armory Reuse - Affordable Housing	The City is in the process of buying this State DCAMM building on Washington Street for \$1 to be used for 100% affordable housing.	TBD	46.7	CPA/CDBG/Other Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57	DPW/ Water	Water	Replace Water Pipelines - Year 11	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project will be in year 11 of 20 year program.	\$ 7,000,000	46.7	Water Funds/MWRA	\$ -	\$ -	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -
58	Clerk	Equipment	New Voting Equipment	Replace current equipment with new state-approved voting equipment.	\$ 200,000	46.6	Free Cash	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
59	Schools	Roof	Lincoln-Eliot - Roof Replacement	Replace the 1973 portion of roof that is beyond its useful life.	\$ 150,000	45.9	Bonding	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -
60	Public Buildings	Climate Action	Municipal EV Chargers	Purchase and install EV chargers at municipal and school parking lots throughout the city (electrical connections provided by Eversource grants)	\$ 400,000	45.7	School Funds/Grant	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 100,000	\$ -	\$ -
61	Police	Building	Police Headquarters - Roof	Replace roof with new PVC system, including the firing range. Appx 9000sf.	\$ 227,500	45.4	Bonding	\$ -	\$ -	\$ -	\$ 227,500	\$ -	\$ -	\$ -
62	Public Buildings	Building	Newton Commonwealth Golf Course Maintenance Facility Project	Renovation and Addition to the Golf Course Maintenance Facility	\$ 1,200,000	44.9	Golf Course Funding	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -
63	DPW	Complete Streets	Complete Streets Improvements - Newton Highlands	Upgrade traffic signal equipment, improve multimodal safety and operations, enhance streetscape and sidewalks, lighting, implement signal coordination, and paving	\$ 5,000,000	44.8	Bonding/Other Funds	\$ -	\$ -	\$ -	\$ 250,000	\$ 4,750,000	\$ -	\$ -
64	DPW	Complete Streets	Municipal Parking Lot Improvement Plan	Reconstruction of Municipal parking lots including ADA and stormwater improvements	\$ 3,000,000	43.6	Bonding/Other Funds	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
65	Library	Building	Library HVAC Improvements	Replacement of chiller, boiler and AHU system	\$ 750,000	42.3	Bonding	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ -
66	DPW	Complete Streets	Complete Streets Improvements - Beacon @ Walnut (4 Corners)	Upgrade traffic signal equipment, improve multimodal safety and operations, install ADA compliant ramps	\$ 1,150,000	42.3	Bonding/Other Funds	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 1,000,000	\$ -
67	Parks & Rec	Parks / Open Space	Lyons Field Drainage Improvements	Complete renovation of the natural grass area, installing trench sub-drainage, connecting to the park storm drainage system, and sodding the field.	\$ 400,000	42.1	Storm Funds/State Grant/Other Funds	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -
68	Schools	Building	Horace Mann School Addition and Improvement	Horace Mann School Facilities upgrades. Budget to be refined in next design phase.	\$ 12,000,000	41.9	Other Funds/ Bonding/ Alternate Funding	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 6,000,000	\$ 5,900,000
69	Fire Dept	Large Vehicle / Equipment	New pumper truck (Engine 7)	Replace 2007 pumper truck (Engine 7) that will soon be beyond the NFPA standard of 15 years	\$ 700,000	41.7	Bonding	\$ -	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -
70	DPW/ Water	Water	Replace Water Pipelines - Year 12	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,750,000	41.7	Water Funds	\$ -	\$ -	\$ -	\$ 4,750,000	\$ -	\$ -	\$ -

Supplemental CIP by Priority FY2022-FY2026

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Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
71	Schools	Building	Ward/Underwood Schools - Renovation/ Replacement	Ward & Underwood School facilities project. The two oldest schools in the system are approaching their centennials. Both schools have low enrollment, outdated and undersized facilities, are located on small	TBD	41.5	Other Funds/ Alternate Funding/ MSBA Eligible	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -
72	Schools	HVAC/Boilers	Replace Boilers - Ward and Franklin	Replace boilers at Ward and Franklin Elementary Schools, if necessary.	\$ 850,000	41.5	Bonding	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 450,000	\$ -
73	DPW	Complete Streets	Complete Streets Improvements - Commonwealth Ave. at Chestnut Street	Upgrade traffic signal equipment and make ADA improvements	\$ 600,000	41.0	Bonding	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -
74	DPW/ Storm	Storm	Edmunds Brook Spillway	Repair concrete spillway/brook walls and trash grate downstream of Edmunds Pond.	\$ 504,000	41.0	Storm Funds	\$ 104,000	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -
75	DPW/ Storm	Storm	Evaluation, design and construction of Cheesecake Brook-Commonweath Av. to the rear of 1600 Washington Street	Replace culvert headwall, remove remaining fieldstone channel walls to restore natural brook channel and provide buffer for nutrient removal (water quality).	\$ 550,000	40.8	Storm Funds	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ -	\$ -
76	Public Buildings	Building	War Memorial Accessibility/Historic Improvements	Repair and repoint stone cornice. Implement recommendations from 2007 Study of the Memorial Stairs.	\$ 2,332,000	40.7	Requested CPA	\$ -	\$ -	\$ -	\$ -	\$ 1,166,000	\$ 1,166,000	\$ -
77	DPW	Complete Streets	Complete Streets Improvements - Cherry @ Webster, Cherry @ Derby	Upgrade traffic signal equipment, improve multimodal safety and operations at these two intersections	\$ 1,400,000	40.6	Bonding	\$ -	\$ -	\$ -	\$ -	\$ 160,000	\$ 160,000	\$ 1,240,000
78	Parks & Rec	Parks / Open Space	Crescent Street Project - Rehab and expand Ford Park	Rehabilitation and expansion of Ford Park including Stormwater Improvements and site accessibility	\$ 1,600,000	40.4	CPA Eligible	\$ 156,000	\$ -	\$ -	\$ -	\$ 1,444,000	\$ -	\$ -
79	Fire Dept	Large Vehicle / Equipment	Replace Emergency Response Van (ERU)	Purchase a new ERU van. It carries haz-mat equipment such as booms, speedi-dry, Level 3 haz-mat suits etc. The replacement unit would also allow us to carry Tech Rescue equipment that cannot fit on the HDR. Shoring material for trench rescue, tri-pods and high angle rescue tools as well as equipment for building collapse.	\$ 300,000	39.8	Bonding	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -
80	DPW/ Water	Water	Replace Water Pipelines - Year 13	Cleaning and lining of water pipes to improve water quality, reduce water leakage and ensure pipe integrity and capacity. Precedes scheduled roadway paving. Project will be in year 13 of 20 year program.	\$ 4,750,000	39.7	Water Funds	\$ -	\$ -	\$ -	\$ -	\$ 4,750,000	\$ -	\$ -
81	Parks & Rec	Parks / Open Space	Tennis Courts - Replace Burr Park Tennis Courts	Redesign & construct existing tennis courts at Burr Park (Waverly Park). Additional work includes repair of retaining wall	\$ 1,100,000	39.6	Bonding	\$ -	\$ -	\$ -	\$ -	\$ 1,100,000	\$ -	\$ -
82	Schools	Building	Memorial Spaulding School - Replace Roof	Replace 1980's Built up roof area. It has reached its life expectancy.	\$ 350,000	39.6	Bonding/MSBA ARP	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -
83	DPW/ Storm	Storm	Cheesecake Brook -1660 Washington St. to Watertown St.	Inspection & Assessment, Design and Rehabilitation of +/-6000 LF of Box Culvert	\$ 900,000	39.6	Storm Funds	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 700,000	\$ -
84	DPW/ Sewer	Sewer	Sewer Inflow/Infiltration Project - Area 11 - Chestnut Hill, Newton Corner, Oak Hill, & Thompsonville	Part of 10 year program to remove excess inflow and infiltration into sewer system. Will be in year 10 of City-Wide Sewer Initiative.	\$ 5,274,000	39.5	Sewer Funds	\$ 774,000	\$ -	\$ -	\$ -	\$ -	\$ 4,500,000	\$ -
85	Public Buildings	Building	City Hall Restroom Upgrades	Phased project -Upgrade City Hall Restrooms	\$ 200,000	39.3	CDBG/Other Funds/Bonding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -

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Priority	Dept	Asset Category	Project Title	Project Description / Justification	Est Cost in FY2021	Priority Factor	Funding Source	Approved Funding	FY2021 to be Docketed/ Approved	FY2022	FY2023	FY2024	FY2025	FY2026
212	Public Buildings	Building	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	9.7	Bonding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213	Schools	HVAC/Boilers	Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System	Replace Roof top air handling units and distribution system	\$ 250,000	9.7	Bonding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Need:					\$ 734,118,453			\$ 120,959,917	\$ 2,980,000	\$ 51,768,000	\$ 91,797,500	\$ 88,670,000	\$ 62,426,000	\$ 81,765,000