<table>
<thead>
<tr>
<th>Number *</th>
<th>Title *</th>
<th>Description</th>
<th>Justification</th>
<th>Department *</th>
<th>Project Type</th>
<th>Year Identified</th>
<th>Estimated Start FY</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPW/Fleet/2020 020/1</td>
<td>Annual MS4 Permit Implementation - 2020</td>
<td>This project will provide funds to comply with new National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) permit requirements. Specifically, this project will update GIS mapping of the separate storm sewer system in accordance with the new system mapping requirements for the Illicit Discharge Detection and Elimination program, including delineation of the annually;</td>
<td></td>
<td>422 - C4-422 - Highway Stormwater Improvement</td>
<td>2017</td>
<td>2017</td>
<td>$130,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/10</td>
<td>Annual Roadway Improvements - 2020</td>
<td>Vehicle has reached the end of its reliable service life, and is scheduled for 12 year replacement in 2018.</td>
<td></td>
<td>429 - C7-429 - Fleet Services</td>
<td>2017</td>
<td>2017</td>
<td>$138,872</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/12</td>
<td>Annual Various Road Improvements - 2020</td>
<td>Ongoing roadway, curb, sidewalk and related infrastructure improvements to retain overall State of Good Repair.</td>
<td></td>
<td>422 - C4-422 - Highway Roadway Infrastructure</td>
<td>2016</td>
<td>2016</td>
<td>$7,500,000</td>
<td></td>
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<tr>
<td>DPW/Highway/2 020/13</td>
<td>School St Bridge Replacement - Design &amp; Construct</td>
<td>Design and construct bridge improvements.</td>
<td></td>
<td>411 - C4-411 - Engineering</td>
<td>2017</td>
<td>2017</td>
<td>$2,000,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/14</td>
<td>Nobscot Fire Station Area Drainage Design &amp; Construct</td>
<td>Necessary Infrastructure Improvements</td>
<td></td>
<td>411 - C4-411 - Engineering</td>
<td>2017</td>
<td>2017</td>
<td>$250,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Fleet/2020 020/1</td>
<td>Replace #301 '06 15kGVW 4WD Truck</td>
<td>Replace 2006 15,000 GVW 4WD Cab and Chassis w/ Utility Body</td>
<td></td>
<td>Public Works Rolling Equipment</td>
<td>2020</td>
<td>2020</td>
<td>$150,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/2</td>
<td>Guild Road Drain - Design &amp; Construct</td>
<td>Replace approximately 2600 LF of 10-inch and 18-inch diameter pipe with 12-inch and 24-inch pipe.</td>
<td></td>
<td>Stormwater Improvement</td>
<td>2017</td>
<td>2017</td>
<td>$460,000</td>
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<tr>
<td>DPW/Highway/2 020/11</td>
<td>Annual Drainage System &amp; Water Quality Projects - 2020</td>
<td>Necessary Infrastructure Improvements</td>
<td></td>
<td>Stormwater Infrastructure</td>
<td>2017</td>
<td>2017</td>
<td>$360,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/2</td>
<td>Annual Various Road Improvements - 2020</td>
<td>Necessary Infrastructure Improvements</td>
<td></td>
<td>Stormwater Improvement</td>
<td>2017</td>
<td>2017</td>
<td>$250,000</td>
<td></td>
</tr>
<tr>
<td>DPW/Highway/2 020/12</td>
<td>Henry St Area Drainage Construction</td>
<td>Necessary Infrastructure Improvements</td>
<td></td>
<td>Roadway Infrastructure</td>
<td>2017</td>
<td>2017</td>
<td>$250,000</td>
<td></td>
</tr>
</tbody>
</table>

The Environmental Protection Agency (EPA) issued a new NPDES Phase II MS4 General Permit which becomes effective July 1, 2017. The Town of Framingham is required to operate its storm sewer system under the MS4 General Permit. The new permit has increased unfunded mandates for compliance including, but not limited to:

- All Town properties will be included in the permit, including but not limited to schools, parks, conservation areas, and Town facilities whereas previously permit compliance focused on the roadway drainage system;
- Additional storm sewer system inspections and maintenance will be required annually;
- Increased inspection and sampling for water quality and potential illicit discharges will be required;
- Significant increases required for administration, mapping and reporting.
- Increased stormwater management is required for new and re-development, which is more stringent than the current MassDEP Stormwater Standards and Town bylaws; and
- Additional operations and capital investments will be required for drainage areas to impaired waterbodies which include: Lake Waushakum, Farm Pond, and Framingham Reservoir #2.

- Additional stormwater system inspections and maintenance will be required annually;
- Increased inspection and sampling for water quality and potential illicit discharges will be required;
- Significant increases required for administration, mapping and reporting.
- Increased stormwater management is required for new and re-development, which is more stringent than the current MassDEP Stormwater Standards and Town bylaws; and
- Additional operations and capital investments will be required for drainage areas to impaired waterbodies which include: Lake Waushakum, Farm Pond, and Framingham Reservoir #2.
Central and Concord Saxonville Intersections - Construction

This project includes the design of intersection improvements for Concord Street/Elm Street/Central Street. Design includes preparation of plans, research regarding right-of-way, traffic simulation modeling, drainage improvements, and trenching for signalization. Improvements include roadway layout, curbing, pavement markings, traffic signaling, signage, crosswalks, sidewalks, and ADA ramps as appropriate.

The design of the intersection is needed to not only improve traffic flow but also to complete the utility and street improvements that have been made to this area over the last seven years.

411 - C4-411 - Engineering
Roadway Infrastructure
2017  2020  $ 3,400,000

Central/Edgell Intersection - Design

This project includes the design of improvements for the Edgell Road/Central Street intersection. Design includes preparation of plans, research regarding right-of-way, traffic simulation modeling to determine the optimal roadway layout and need for traffic signalization. Improvements include roadway layout, curbing, pavement markings, traffic signaling, signage, crosswalks, sidewalks, drainage improvements, and ADA ramps as appropriate.

As noted for the project "Intersection Improvements at Water/Edmards/Edgell", the Town is currently evaluating a complete street assessment of Edgell Road from Vernon Street to the intersection with Edmands Road and Water Street. As part of this study key intersections such as Central Street are being investigated and evaluated. The Central Street intersection is of special interest given the high volume of traffic into a densely populated section of Town. Because improvements at intersections such as Central Street are more complex than general roadway improvements, a longer lead time is required to design and construct improvements in these locations.

411 - C4-411 - Engineering
Roadway Infrastructure
2017  2020  $ 290,000

Concord St Roadway, Cherry-OCP - Construction

This project will provide funds for the restoration of approximately .000 feet of the Concord Street roadway from School Street to Cherry Street, and will provide the restoration of the roadway, as well as improvements to sidewalks, drainage, street lighting, ADA ramps, curbing, paving and pavement markings.

The roadway has had pavement binder since utility work was completed in 2013.

422 - C4-422 - Highway Infrastructure
2017  2020  $ 3,210,000

FSU Area Ped (RR) Crossings - Construction

Roadway and drainage surface improvements

These projects are for the design of safer sidewalks and pedestrian crossings, including at the railroad. Improvements include sidewalk, pavement and curbing, signage, and improved signage and signalization at the railroad crossing.

Both locations are heavily used paths for students and faculty at Framingham State University. The improved signalization and signage at the railroad crossing will increase pedestrian safety.

411 - C4-411 - Engineering
Roadway Infrastructure
2017  2020  $ 650,000

Public Works Rolling Equipment

Replace #447 '15 4-Wheel Sweeper
Replace #456 '03 Skidsteer Loader
Replace #465 '96 Sidewalk Tractor
Replace #468 '04 Sidewalk Tractor
Replace #480 '01 Brush Chipper
Replace #482 '05 Asphalt Paver
Replace #408 '07 15kGVW 4WD Truck
Replace #417 '06 15kGVW 4WD Truck
Replace #428 '97 35kGVW Dump Truck
Replace #431 '98 65kGVW Dump Truck

Replace 1997 Volvo 35,000 GVW Cab and Chassis with Dump Body and Snow Plow
Replace 2007 15,000 GVW 4WD Cab and Chassis w/ Rack Body and Plow
Replace 2006 15,000 GVW 4WD Cab and Chassis w/ Rack Body and Plow
Replace 1997 Volvo 35,000 GVW Cab and Chassis with Dump Body and Snow Plow
Replace 1998 Autocar 65,000 GVW Cab and Chassis with Dump Body and Snow Plow

Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2018
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2015
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2017
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2015
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2015
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2017
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2016
Vehicle has reached the end of its reliable service life, and was scheduled for 20 year replacement in 2017
Vehicle has reached the end of its reliable service life, and was scheduled for 20 year replacement in 2018

422 - C7-422 - Highway Public Works Rolling Equipment
2017  2020  $275,640
2017  2020  $ 96,200
2017  2020  $191,055
2017  2020  $192,420
2017  2020  $ 67,124
2017  2020  $ 88,400
2017  2020  $ 71,129
2017  2020  $ 62,536
2017  2020  $194,438
2017  2020  $228,800
These funds will be used to purchase a F250 4x4 Extended Cab that will replace a 2018 F250 4x4 Extended Cab.

This vehicle is used to transport workers, materials, trailers and other pieces of equipment to various job sites throughout the Town. This vehicle replaces a 2008 F350 4x4 Extended Cab with 51,920 miles.

Vehicle has reached the end of its reliable service life, and was scheduled for 15 year replacement in 2019

Vehicle will have reached the end of its reliable service life, and is scheduled for 20 year replacement in 2019

Vehicle will have reached the end of its reliable service life, and is scheduled for 8 year replacement in 2014

These funds will be used to purchase a F250 4x4 Extended Cab that will replace 2

This vehicle is used to transport workers, materials, trailers and other pieces of equipment.

This vehicle is used to transport workers, materials, trailers and other pieces of equipment.

This vehicle is essential to our day to day operations. This loader is used to move and load materials daily, move heavy pieces of equipment, operate field maintenance attachments and perform snow removal. This replaces a 2005 Case M570 XT Loader with 5,896 operation hours.

This project continues the collaboration with the School Department to improve the Walsh Athletic Fields. Phase II encompasses the reduction and repaving of the existing track and improvement of the field conditions on the lower playing fields.

This project will consist of reduction and repaving of the existing track, redesign of existing field within the track area to maximize it usability and performance, redesign and installation of a proper drainage system, installation of an irrigation system at both athletic fields, and potential addition of an accessible parking area abutting the lower fields on the Walsh entrance side.

Tennis and Basketball Court Resurfacing Phase 1

Resurfacing of the sport courts and installation of new fencing, tennis and basketball hardware.

Typically, tennis and basketball courts need to be resurfaced every 10-15 years. The Winch Basketball courts have not been resurfaced in over ten years and now will require additional maintenance in order to bring them back to safe playable condition. Without recommended maintenance, these courts will be closed due to safety issues. The Winch Tennis courts are beginning to display significant cracks in the surfacing. Attempts to resolve the cracking through repair has not yielded the desired results.

The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 3 of this replacement program will provide funding to significantly improve Oakvale Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play equipment, rubber safety mulch and poured in place rubber surfacing.

Many of the Parks playgrounds provide limited handicapped accessibility as well as outdated and potentially hazardous play equipment and safety surfacing. Studies have shown that two-thirds of playground injuries result from falls to inappropriate surfacing below the equipment. Other injuries often occur from protrusions, sharp edges, hot surfaces and pinch points. Current equipment at these locations has been in existence for many years and is far from being in compliance with current industry standards. The U.S. Consumer Product Safety Commission has established standards for playground equipment and safety surfacing. Traditionally play equipment was not designed with a high degree of regard for safety standards and handicap accessibility. New equipment and safety surfacing is designed in conjunction with the new CPS safety guidelines to eliminate these common problems. This appropriation will provide significantly improved handicapped accessibility, compliant play equipment and a combination of poured in place safety surfacing and rubber mulch.
Cushing Phase VI Feasibility Study

Cushing Phase 6 Feasibility Study.

A comprehensive Master Plan was completed in 2001 with significant cooperation and participation of Town Residents. Cushing has become the central park in Framingham and is used by hundreds of residents daily for passive recreation. We propose a feasibility study that will identify the requirements to install a pond, currently proposed for the southern area of the park near the Winter Street parking lot.

Park Signage Phase I

Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase locations include Longs Athletic Complex, Arlington Street Park, Apple Street Park, Little League Complex at Longs, Mt. Wayte Park, Roosevelt Park, Anna Murphy Park and Bates Road Park.

Current signage throughout our Parks system is outdated and limited with regard to impact and aesthetics. Beautification of Parks properties lends to neighborhood stabilization and a sense of pride in community. The Board of Selectmen Vision Statement indicates "Our Town will foster a sense of pride by placing a high priority on quality education, neighborhood parks ... and promote a clean and beautiful Town." The "Choose Framingham" initiative identifies the fact that "the average distance to a playground or other recreation area from any single family parcel is approximately a quarter of a mile." Proposed signage will create a common theme for all Park properties, while improving the aesthetics and beautifying the neighborhoods and the Town. This signage program is a low cost way to advance both the Board of Selectmen Vision Statement and the "Choose Framingham" initiative.

Technology Upgrades Throughout the District FY20

The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop and other devices.

Furnish New and Replace Outdated Furniture multiple schools

Continuation of furniture upgrades $300,000

The School Department has implemented increased security measures throughout the District and is mindful of past national school related security events. Continue to enhance security throughout the District $25,000.00 per year.

Security Enhancement Throughout the District

The School Department has implemented increased security measures throughout the District and is mindful of past national school related security events. Continue to enhance security throughout the District $25,000.00 per year.

Parks
Parks Facilities
2020 $50,000

Parks
Parks Facilities
2020 $36,677

School
School Technology Software
2020 $500,000

School
School Non-Rolling Equipment
2020 $300,000

School
School Building Mechanical
2020 $25,000
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems - FY20

To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Below is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances.

FY19-24: Continue with mechanical, electrical and plumbing upgrades each year $ 150,000

* Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies which includes removal of architectural barriers and replacing or adding ADA compliant signage.

Town Unit Pricing Contracts will be utilized for sidewalk repairs at multiple schools.

Asbestos Abatement Floor Tile, Ceiling Tile, Pipe Insulation - Hemenway

Please note that the majority of ACM removal and replacement listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

Asbestos Abatement Floor Tile, Ceiling Tile, Pipe Insulation - Hemenway School

Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems

Upgrades to Curb, Sidewalks, Handicap Ramps/Lifts, Railings, Bathroom Parthitions, Hardware, Signage and Removal of all Architectural Barriers and Design for Compliance

- Partitions
- Hardware
- Signage
- Bathrooms
- Knobs
- Door Handles
- Design for Compliance

ADA Upgrades to for Compliance

FY21-FY25: Continue with ADA upgrades at various schools, $ 200,000 each year

Please note that ADA site upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.

Asbestos Abatement Floor Tile, Ceiling Tile, Pipe Insulation - Hemenway School

Please note that the majority of ACM removal and replacement listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.
Paving Replacement/Storm Water All Schools - Walsh FY20

Multiphased project with ongoing work to preserve, repair, and maintain school parking lots, driveways and storm water systems. As in the past, the Town Unit Pricing Contracts will be utilized.

- Brophy Elementary School
- Barbieri Elementary School
- Hemenway Elementary School
- Cameron Middle School
- Thayer Building
- McCarthy Elementary School

$600,000 each year

Heating Ventilation Air Conditioning (HVAC) - Replace Rooftop Air Handling Units (AHU’s) and Ventila

Continue upgrading Heating Ventilation Air Conditioning (HVAC) equipment at multiple schools. In addition, due to changes in building code requirements for snow and wind load, additional structural support is required for the ventilation and air handling roof top units.

Please note that this HVAC work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

Project of $65,000,000 Hemenway School

Major Renovation/Replacement Resulting from MSBA Feasibility Study Recommendation - Phased Multiple

Anticipate major renovation/replacement of school building.

FY23:
Project of $26,000,000 anticipated.

Note: Projects are a result of pre-feasibility and MSBA feasibility projects and process. Future schools to be determined by and approved by the School Committee.

Replacement of theatrical Equipment - Pianos
To Replace:
Baldwin Upright - 42 years old - Poor condition
Baldwin Upright - 46 years old - Poor condition

Steinway and Sons  (Ebony Polish Polyester 7') $ 90,992
Steinway and Sons  (Ebony Polish Polyester 5'1'') $ 57,288
Darnell Casters plus delivery (2) 1,100
Total $149,380

FY22:
Potter Rd. and Cameron $310,000

Fire Alarm Upgrades - Dunning, Hemenway, Woodrow Wilson

Scheduled fire alarm upgrades at the Dunning, Hemenway, Woodrow Wilson

FY23:
Stapleton $100,000

FY25:
Barbieri $190,000

School | Stormwater Improvement | 2020 | $ 600,000
---|---|---|---
School | School Building Mechanical | 2020 | $ 70,000
School | School Building Structure | 2020 | $ 65,000,000
School | School Non-Rolling Equipment | 2020 | $ 149,380
School | School Building Mechanical | 2020 | $ 400,000
<table>
<thead>
<tr>
<th>Project Description</th>
<th>School</th>
<th>School Building</th>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lighting Upgrades</strong> - Dunning, Hemenway <strong>FY22</strong> - Potter Elementary School:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lighting upgrades to provide energy savings and maintain building</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$65,000</td>
</tr>
<tr>
<td><strong>FY23</strong> - Walsh Middle School:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lighting upgrades to provide energy savings and maintain building</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$215,000</td>
</tr>
<tr>
<td><strong>FY24</strong> - Stapleton Elementary School:</td>
<td></td>
<td></td>
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<tr>
<td>Lighting upgrades to provide energy savings and maintain building</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$60,000</td>
</tr>
</tbody>
</table>

Please Note: Many of these projects may be eligible for NSTAR rebates and result in energy cost savings.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>School</th>
<th>School Building</th>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Service Upgrade</strong> - Juniper <strong>FY23</strong>: Brophy $215,000</td>
<td></td>
<td></td>
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<tr>
<td><strong>FY24</strong>: Potter Rd. $215,000</td>
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<tr>
<td><strong>FY25</strong>: Walsh $725,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FY26</strong>: Stapleton $135,000</td>
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<table>
<thead>
<tr>
<th>Project Description</th>
<th>School</th>
<th>School Building</th>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sewer Ejector - McCarthy School</strong> <strong>FY20</strong>:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sewer Ejector - McCarthy School Scheduled replacement</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$73,500</td>
</tr>
<tr>
<td><strong>FY23</strong>: Woodrow Wilson School / McCarthy Elementary School $25,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FY24</strong>: Walsh $23,400</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Description</th>
<th>School</th>
<th>School Building</th>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Water Storage Tank Replacement - Cameron Middle School</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scheduled replacement of the storage tanks</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$15,600</td>
</tr>
<tr>
<td><strong>FY23</strong>: Woodrow Wilson School / McCarthy Elementary School $25,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FY24</strong>: Walsh $23,400</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Description</th>
<th>School</th>
<th>School Building</th>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Generator Replacement - Woodrow Wilson School - Deferred</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Replacement of 20 year old 150KW Generator at Woodrow Wilson $120,000</td>
<td>School</td>
<td>School Building Mechanical</td>
<td>2020</td>
<td>$120,000</td>
</tr>
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</table>
Roof Replacements on a 20 year schedule

<table>
<thead>
<tr>
<th></th>
<th>School</th>
<th>School Building Structure</th>
<th>2020</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FY22:</td>
<td>Woodrow Wilson</td>
<td>$1,652,132</td>
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<td></td>
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<tr>
<td>FY23:</td>
<td>McCarthy</td>
<td>$925,925</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FY24:</td>
<td>Cameron</td>
<td>$2,127,600</td>
<td></td>
<td></td>
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<tr>
<td>FY25:</td>
<td>Juniper Hill</td>
<td>$1,299,144</td>
<td></td>
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### Vehicles

<table>
<thead>
<tr>
<th>Vehicular Project</th>
<th>Description</th>
<th>2020</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Axis Camera Station Replacement</td>
<td>Upgrade our current VMS to a more robust and open platform.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Response Pick-up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Replace SCBA - Self Contained Breathing Apparatus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Replace Headquarters Engine pumper #3.</td>
<td></td>
<td></td>
<td></td>
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### Grand Total General Fund Requests for FY2020

<table>
<thead>
<tr>
<th>Enterprise Fund: Water and Sewer Departments</th>
<th>Description</th>
<th>2017</th>
<th>2020</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DPW/Sewer/202 Annual Various Sewer Improvements - 0/1</td>
<td>Funding for the DPW to respond to unanticipated sewer system failures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPW/Sewer/202 0/10</td>
<td>This work will continue Phases 1 and 2 that implemented “No Dig” lining repairs (aka trenchless) south of Worcester Road/Route 9, and determination of how to best implement more expensive and disruptive “Dig” repairs in the Phases 1 and 2 areas, as well as both “Dig” and “No Dig” repairs elsewhere in the City.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPW/Sewer/202 0/11</td>
<td>Perform Sewer System Evaluation Study of a 6th area of the City</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPW/Sewer/202 0/2</td>
<td>This appropriation will provide for the replacement and upgrades of equipment at older wastewater pumping stations. The project includes the planned replacement of pumps, motors, controls and others, as well as emergency replacements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPW/Sewer/202 0/2</td>
<td>The lifespan and reliability of these stations can be extended a decade or more through the replacement of component parts as they become worn and inefficient, thereby reducing the near-term need for significant capital funds. For example, underground controls and Supervisory Control and Data Acquisition (SCADA) systems may be considered to be raised above ground for reduction of corrosion and for safety purposes.</td>
<td></td>
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</tbody>
</table>
The work includes the replacement and rehabilitation of the water and sewer system. A pipe assessment study will evaluate the approximately 19,000 linear feet of water mains and 15,000 linear feet of sewer in the area to determine the extent of deterioration and need for rehabilitation (note that, primarily due to parallel water lines on Beaver Street, the length of water line in the area is longer than the length of sewer). Due to the age of the water system it is anticipated that the water mains will require replacement. The project will also include the replacement of hydrants and water services within the right-of-way along the new water main. It is anticipated that the sewers, manholes, and building services within the right of way will also require replacement.

The project follows the principle of providing the renewal of aged sub-surface utilities in association with roadway improvements in order to reduce total capital cost, as well as reduce disruption of traffic and businesses.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
<th>Year</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaver Pk Area Sewer Mains - Design</td>
<td>$650,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>DPW/Sewer/202</td>
<td>440 - C2-440 - Sewer Enterprise</td>
<td>Sewer Piping</td>
<td></td>
</tr>
<tr>
<td>Blackberry SPS Rehab/Replace - Construction</td>
<td>$2,000,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Central St Corridor Sewer Mains - Construction</td>
<td>$4,900,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Interchange 12 Sewer - Construction</td>
<td>$3,000,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Garvey Rd Sewer Pump Station Replacement - Design</td>
<td>$225,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Pearl St Area Sewer Mains Construction</td>
<td>$2,000,000</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Replace #74 '13 4WD Utility Vehicle</td>
<td>$27,500</td>
<td>2017</td>
<td>2020</td>
</tr>
</tbody>
</table>

The project follows the principle of providing the renewal of aged sub-surface utilities combined with planning for future commercial and industrial growth. The construction methods proposed are partially dictated by existing site conditions, but were also developed with a goal of minimizing disruption to residents and businesses.
Replace 2005 15,000 GVW 4WD Cab and Chassis with Utility Body and Snow Plow
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2015

Replace 2006 17,500 GVW 4WD Cab and Chassis with Sewer Rodder and Snow Plow
Vehicle has reached the end of its reliable service life, and is scheduled for 10 year replacement in 2016

Replace 2009 15,000 GVW 4WD Cab and Chassis with Utility Body and Snow Plow
Vehicle has reached the end of its reliable service life and is due for replacement

Funding for the DPW to respond to unanticipated water system failures.
Necessary Infrastructure Improvements

For the timely repair of water system infrastructure
Necessary infrastructure improvements

Southern extension of Union Ave corridor improvements
Necessary Infrastructure Improvements

Replace the existing 3.5 million gallon water storage tank that is fed by the Pleasant Street Water Pumping Station.
Necessary Infrastructure Improvements

The work includes the replacement and rehabilitation of the water and sewer system. A pipe assessment study will evaluate the approximately 19,000 linear feet of water mains and 15,000 linear feet of sewer in the area to determine the extent of deterioration and need for rehabilitation (note that, primarily due to parallel water lines on Beaver Street, the length of water line in the area is longer than the length of sewer). Due to the age of the water system it is anticipated that the water mains will require replacement. The project will also include the replacement of hydrants and water services within the right-of-way along the new water main. It is anticipated that the sewers, manholes, and building services within the right-of-way will also require replacement.

The project follows the principle of providing the renewal of aged sub-surface utilities in association with roadway improvements in order to reduce total capital cost, as well as reduce disruption of traffic and businesses.

Replace approximately 12,200 lf. of existing 12-inch w.p. with new 16-inch w.p.
Necessary infrastructure improvements

Replace approximately 2,800 lf. of existing 12-inch w.p. with new 16-inch w.p.
Necessary infrastructure improvements.

Replace 2006 John Deere Backhoe/Loader and plow
Vehicle has reached the end of its reliable service life and is scheduled for 12 year replacement in 2018

Replace 2011 7,700 GVW 4WD Pickup Truck with Plow
Vehicle will have reached the end of its reliable service life, and is scheduled for 8 year replacement in 2019

Replace 2013 4WD Utility Vehicle
Vehicle will have reached the end of its reliable service life, and is scheduled for 7 year replacement in 2020

This unit is used daily as a first response service truck. In addition to having the capability and equipment to respond to all emergency water calls, customer issues, and water leak investigations it is used for meter service appointments and system mapping updates. Additionally this vehicle assists crews in excavation, utility investigation, fire hydrant investigation, and flow testing. This truck is also equipped with a plow and is utilized in the winter maintenance program.

This 2008 vehicle has reached the end of its useful life. Replacement of this unit will allow for more efficient maintenance and care for the Town's infrastructure.

Replace #720 '06 17.5kGVW 4WD Truck
Replace #728 '09 15kGVW 4WD Truck
Replace #706 '09 15kGVW 4WD Truck
Replace approximately 2,800 l.f. of existing 12-inch w.p. with new 16-inch w.p.

Replace #651 '06 Backhoe/Loader and Plow
Replace #64 '13 4WD Utility Vehicle

Replace #621 '08 11kGVW 4WD Truck
Replace #632 '05 72kGVW Dump Truck

Replace 2005 72,000 GVW Cab and Chassis w/ Dump Body
Replace Approximately #706 '09 15kGVW 4WD Truck
The Environmental Protection Agency (EPA) issued a new NPDES Phase II MS4 Permit, which went into effect on July 1, 2017. The Town of Framingham is required to implement its storm sewer system under the MS4 General Permit. The new permit is very stringent and mandates compliance in many areas, including:

- **All Town properties** will be included in the permitting, including but not limited to schools, parks, conservation areas, and Town facilities, to previously minimized or eliminated compliance focused on the roadway drainage system.
- **Storm sewer system inspections and measurements** will be required annually.
- **Multiple inspections and sampling for water quality and potential flow rates** will be required.
- **Increased infrastructure management** is required for new and re-development, which is more stringent than the current MassDEP Best Management Standards for Traffic Calming.
- **Additional inspections and capital investments** will be required for damage or replacement, which includes road shoulders, storm water.'
Maintenance & Operations Facility Expansion  

- McCarthy Elementary School
- Thayer Building

- $200,000 each year
- $450,000 each year

- Continue with ADA upgrades at various schools.

- The School Department has implemented increased security measures throughout the district, including additional school-related security events. Continue to enhance security throughout the district $365,000 per year.

- To properly maintain school buildings, security is an essential component. Security upgrades include surveillance cameras, sound systems, mechanical, electrical, and pluming upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Below is a prioritized list of pumps, drives, motors, lighting, barriers, and aquapavements.

- Please note that the majority of the mechanical, electrical, and plumbing upgrades listed must be completed during the months of July and August. Since students are not in school, requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

- Numerous schools were cited for damaged cutouts, sidewalks, curb cuts, landscaping, and mechanized pavement in the Adams Town-wide Transition Plan. These funds would be part of a plan to repair and upgrade these deficiencies. These deficiencies include areas of asphalt, concrete, and brick pavers that require repair. Following the completion of this plan, requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

- Replace deteriorated/eroded floor tiles at Main Streets and in Gymnasium

- 2021: $300,000

- 2022: $25,000

- 2023: $150,000

- 2024: $25,000

- 2025: $100,000

- 2026: $500,000

- 2027: $100,000

- 2028: $500,000

- 2029: $100,000

- 2030: $100,000

- 2031: $100,000

- 2032: $100,000

- 2033: $100,000

- 2034: $100,000

- 2035: $100,000

- 2036: $100,000

- 2037: $100,000

- 2038: $100,000

- 2039: $100,000

- 2040: $100,000

- 2041: $100,000

- 2042: $100,000

- 2043: $100,000

- 2044: $100,000

- 2045: $100,000

- 2046: $100,000

- 2047: $100,000

- 2048: $100,000

- 2049: $100,000

- 2050: $100,000

- 2051: $100,000

- 2052: $100,000

- 2053: $100,000

- 2054: $100,000

- 2055: $100,000

- 2056: $100,000

- 2057: $100,000

- 2058: $100,000

- 2059: $100,000

- 2060: $100,000

- 2061: $100,000

- 2062: $100,000

- 2063: $100,000

- 2064: $100,000

- 2065: $100,000

- 2066: $100,000

- 2067: $100,000

- 2068: $100,000

- 2069: $100,000

- 2070: $100,000

- 2071: $100,000

- 2072: $100,000

- 2073: $100,000

- 2074: $100,000

- 2075: $100,000

- 2076: $100,000

- 2077: $100,000

- 2078: $100,000

- 2079: $100,000

- 2080: $100,000

- 2081: $100,000

- 2082: $100,000

- 2083: $100,000

- 2084: $100,000

- 2085: $100,000

- 2086: $100,000

- 2087: $100,000

- 2088: $100,000

- 2089: $100,000

- 2090: $100,000

- 2091: $100,000

- 2092: $100,000

- 2093: $100,000

- 2094: $100,000

- 2095: $100,000

- 2096: $100,000

- 2097: $100,000

- 2098: $100,000

- 2099: $100,000

- 2021: $7,758

- 2022: $52,342
This appropriation will provide for the replacement and upgrades of equipment of other wastewater pumping stations. The project will also perform replacement of control units and other, as well as emergency replacements.

The lifespan and reliability of these stations can be extended a decade or more through the replacement of components parts as they become worn and sufficient, thereby ensuring the near-term need for significant capital funds.

This appropriation will also provide for the performance of the annual inspection for a period of five years of the equipment at the woodland marsh sewage pumping station. This work is to be designed, and competed in accordance with the Massachusetts Water Pollution Control Facilities Department Policy and Procedures Manual.

This work is to be designed and performed in accordance with the Massachusetts Water Pollution Control Facilities Department Policy and Procedures Manual.

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This work is to be designed and performed in accordance with the Massachusetts Water Pollution Control Facilities Department Policy and Procedures Manual.
Replace #622 '11 11kGVW 4WD Truck

Replace #752 '09 Backhoe/Loader and Plow

Replace existing 3.5 million gallon water storage tank that is located under rights-of-way and within easements located under major portions of Framingham's retail businesses, where emergency repairs are large diameter and a failure in the pipe would likely result in a collapse in the road surface (sinkhole), which could result in property damage or injury.

The need for this project are some undersized pipes, pipe age and materials, including many water mains that are over 100 years old and have fire flow repairs extremely difficult, costly and damaging to the natural resources.

The Hemenway Road Sewer Improvements is a project that is to line or replace water and sewer mains between Concord Street and the Natick town line, as well as the cross-country sewer connector that runs north to all emergency water calls, customer issues, and water system failures.

This project provides funds for the final design and construction of the replacement of 1.196 mile feet of gravity sewer on memory Hawk.

The owner on memory Hawk’s significantly deteriorated condition as a result.

The need for this project are some undersized pipes, pipe age and materials, including many water mains that are over 100 years old and have fire flow repairs extremely difficult, costly and damaging to the natural resources.

The need for this project are some undersized pipes, pipe age and materials, including many water mains that are over 100 years old and have fire flow repairs extremely difficult, costly and damaging to the natural resources.
Replacing #404 10,280 GVW Fork Lift
Replace 2002 Cat 10,280 GVW Fork Lift

Ongoing roadway, sidewalk, curb, and related infrastructure improvements to retain overall status of Good Repair.

Vehicle has reached the end of its reliable service life, and is scheduled for 20 year replacement in 2022.

Vehicle has reached the end of its reliable service life, and is scheduled for 20 year replacement in 2022.

Without substantial ongoing improvements, the roadway system will deteriorate rapidly, and cost to main to keep roads in a state of Good Repair.

This project will provide funds for the continued study of the Town’s stormwater systems. To date, the Town’s twenty-two sub-basins will be studied as part of this project. The project will include a study of the North and South Southampton, Cherry Meadow Brook, Birth Meadow Brooks, and Stellar’s Brook Drainage Area sub-basins. This system will receive condition assessment of the infrastructure, hydraulic modeling of known flooding areas, and review for water quality improvements, including sediment management and control. The project will then develop specific recommendations for improvements to the system.

This study represents the fourth phase of a Town-wide comprehensive stormwater study, which targets a prioritized list of drainage basins that require stormwater drainage systems improvements. The five sub-basins in this study represent medium priority areas in Town, based on infrastructure condition, water quality, contaminant density, historical flooding, and vulnerability and hydraulic concerns of failure of the major system consequence infrastructure. Previously studied sub-basins included Beaver Brook and Farm Pond sub-basins (Phase I),Angularica Brook, Stileville, Jacob’s Brook, Cross Island, and Norden Brook sub-basins (Phase II), and the repair of Hoss Reservoir, Old Town Center, and Dundalk Bridge (Phase III).

Design and implement web-based system to identify drainage areas during emergency operations and to document status and condition.

Impacts to Town Infrastructure

This project will provide funds to comply with new National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) permit requirements. Specifically, this project will update GIS mapping of separate storm sewer system in accordance with the new system mapping requirements for the MS4 Discharge Detection and Elimination (DD&E) permit. This project will also involve collection of data by each sub-basin. Additionally, this project will prepare sub-basin plans as required by the Permit for Non-Major Control Measure 6—Good Housekeeping and Pollution Prevention for Permittee-Owned Operations and Non-Numeric Effluent Requirements for discharges to certain impaired waters.

Development of a cost-effective stormwater system that will remain financially viable over the next 5 years.
### FY22 Budget Highlights

**Security Enhancement Throughout the District**
- **Total Budget**: $300,000
- **Description**: To properly maintain school buildings so they are safe, efficient, and sound.
  - Continue to enhance security throughout the District ($216,000) per year.
  - Provide security and maintenance of school buildings.

**Security Enhancement Throughout the District**
- **Total Budget**: $300,000
- **Description**: To properly maintain school buildings so they are safe, efficient, and sound.
  - Continue to enhance security throughout the District ($216,000) per year.
  - Provide security and maintenance of school buildings.

**Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems - FY23**
- **Total Budget**: $600,000
- **Description**: All schools in order to maintain and replace systems.
  - Continue with mechanical, electrical and plumbing upgrades ($150,000) per year.
  - Include all existing systems and add new systems as needed.

**ADA Upgrades for Compliance**
- **Total Budget**: $300,000
- **Description**: To comply with the Americans with Disabilities Act (ADA) requirements.
  - Continue to replace barriers and improve accessibility ($150,000) annually.

**Asbestos Abatement Floor Tile, Ceiling Tile, Pipe Insulation - Multiple Schools - FY22**
- **Total Budget**: $450,000
- **Description**: Future projects may include asbestos removal and replacement.
  - Future projects may include asbestos removal and replacement ($450,000) annually.

**Paving Replacement/Storm Water All Schools -new/repairs FY22**
- **Total Budget**: $400,000
- **Description**: Future projects may include asbestos removal and replacement.
  - Future projects may include asbestos removal and replacement ($400,000) annually.

---

### FY22 Projects Summary

**F550 4x4 Trash Compactor**
- **Total Budget**: $365,944
- **Description**: Used to remove trash from Parks and Recreation properties.

**F350 4x4 Stake Body Dump**
- **Total Budget**: $48,796
- **Description**: Used for equipment and material hauling.

**Kubota Tractor L4740 4x4 Stall**
- **Total Budget**: $48,656
- **Description**: Used to transport personnel and equipment.

**Synthetic Field and Lighting Renovations**
- **Total Budget**: $2,500,000
- **Description**: Park and athletic field improvements.

**Stormwater Improvement**
- **Total Budget**: $600,000
- **Description**: Improvements to stormwater systems.

**Technology Upgrades Throughout District FY22**
- **Total Budget**: $500,000
- **Description**: Technology upgrades to improve teaching methods and modern technology.

**S300,000**
- **Description**: Refurbish or replace outdated furniture in multiple schools.

**Security Enhancement Throughout the District**
- **Total Budget**: $25,000
- **Description**: To properly maintain school buildings so they are safe, efficient, and sound.

**Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems - FY23**
- **Total Budget**: $150,000
- **Description**: Mechanical, electrical, and plumbing upgrades in all schools to maintain buildings.

**ADA Upgrades for Compliance**
- **Total Budget**: $200,000
- **Description**: To comply with the Americans with Disabilities Act (ADA) requirements.

**Asbestos Abatement Floor Tile, Ceiling Tile, Pipe Insulation - Multiple Schools - FY22**
- **Total Budget**: $200,000
- **Description**: Future projects may include asbestos removal and replacement.

**Paving Replacement/Storm Water All Schools - new/repairs FY22**
- **Total Budget**: $450,000
- **Description**: Future projects may include asbestos removal and replacement.

**Stormwater Improvement**
- **Total Budget**: $600,000
- **Description**: Stormwater system improvements.
### Heating Ventilation Air Conditioning (HVAC)
- Replace Rooftop Air Handling Units (AHU's) and Ventilating
- Continue upgrading heating ventilation air conditioning (HVAC) equipment at Juniper Hill
- Perform a survey, borings, and geotechnical analyses for roadway improvements. The project will also include a conceptual analysis completed during this phase.

### Roof Replacements
- Roof Replacement Woodrow Wilson - 3 Year Replacement Schedule
- Roof Replacements - Woodrow Wilson

### Replace #72 '12 11kGVW 4WD Pickup Truck

### Roof Replacements - Stapleton
- Roof Replacements Stapleton

### Roof Replacements - Juniper Hill
- Roof Replacements Juniper Hill

### Roof Replacements - Walsh
- Roof Replacements Walsh

### Buildings
- The tower on Hemenway Road is significantly deteriorated condition as a result of sustained corrosion acting on the asbestos cement pipe and will be replaced.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget (2022)</th>
<th>Budget (2023)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating ventilation air conditioning (HVAC) - roof replacements</td>
<td>$2,000,000</td>
<td>$600,000</td>
<td></td>
</tr>
<tr>
<td>Electrical service upgrade - building</td>
<td>$572,000</td>
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</tr>
<tr>
<td>Replace Engine 7</td>
<td>$66,000</td>
<td></td>
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<tr>
<td>Replace 2012 11,000 GVW 4WD Cab and Chassis</td>
<td>Stapleton $135,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Replace 2012 11,000 GVW 4WD Cab and Chassis</td>
<td>Walsh $725,000</td>
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<tr>
<td>Roof Replacements - Stapleton</td>
<td>Stapleton $1,299,144</td>
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<tr>
<td>Roof Replacements - Juniper Hill</td>
<td>Juniper Hill $2,496,503</td>
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</tbody>
</table>

**Total General Fund:** $29,813,679
This project includes the design to rehabilitate the water system on Edgell Road. The work is primarily located on Edgell Road between Central Street and Water Street. The project includes the replacement of approximately 9,500 linear feet of existing 8-inch cast iron pipe from 1917, up to a size of 12 inches based on the recommendations of the Water Master Plan. The project will also include the replacement of hydrants and water services within the right-of-way along the new water main. The project evaluation of a water transmission line and replacement of the vitrified clay drain line. The project will also include a detailed survey, boring, and geotechnical analysis sufficient for future roadway and sidewalk improvements. Permitting and access requirements will be addressed.

Edgell Rd Water Main - Design

This funding request is for design of the replacement of 14,000 feet of water mains, including surveyed bore mapping. The water mains along these streets require replacement due to their age, condition, size and materials, and will be less costly if constructed at the same time as the planned sewer repairs and replacements in Prosper St. Vehicles will have reached end of its reliable service life, and is scheduled for 10 year replacement in 2022.

Replace #635 '96 70kGVW Dump Truck

Enterprise

Replace #624 '12 11kGVW 4WD Truck

Enterprise

Replace #619 '12 11kGVW 4WD Truck

Replace 2012 11,000 GVW 4WD Cab and Chassis with Utility Body & Flow

Vehicle will have reached end of its reliable service life, and is scheduled for 10 year replacement in 2022.

Replace 2012 15,000 GVW 4Wheel Drive Cab and Chassis

Vehicle will have reached end of its reliable service life, and is scheduled for 10 year replacement in 2022.

Replace #601 '12 11kGVW 4WD Truck

Enterprise

Salem End Rd Water Main Replacement - Construction

Install approximately 400 ft. of new 6-inch p.u. Necessary infrastructure improvements.

Replace #655 '76 7500GVW Dump Truck

Enterprise

Total Utility Enterprise Fund

$25,229,907
The majority of schools have the same furniture that was purchased during their construction in the sixties. Although some improvements were made in the eighties and nineties, the infrastructure has deteriorated rapidly, and cost now rivals that of new furniture cost. This year, after the permitting process and expanded feasibility studies, the Town’s Facilities Department has approved $700,000 for new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture in the schools, there is no way to refurbish the multiple schools.
The school department has implemented several improvements to enhance accessibility throughout the district. These include

- A multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards.
- Necessary infrastructure improvements to minimize the risk of failure and the consequences of their failure, with this

The Beaver Park area is densely populated, and is almost totally

The vehicle is used to haul heavier equipment, trailers and materials to
Parks locations throughout the town. This vehicle provides
useful to transport parks maintenance crews   This vehicle replaces a 2008 F650 4x2 Crew Cab Dump Truck with 23,933 miles.

Fence Replacement Phase IV

Security enhancements throughout the district, mechanical, electrical, and plumbing upgrades in
buildings in order to properly maintain buildings,
facilities, and equipment. The projects are certified by the
Massachusetts Department of Environment and
Physical Resource Protection to ensure compliance with
all applicable federal, state, and local regulations.

Necessary infrastructure improvements

Funding for this project was to repair an abandoned water system failure.

This project is to replace 2500 ft. of 8" water main in a high density area
with a 10-year LEED Gold rating for energy and water efficiency.

Funding for the improvements was to meet the new requirements for
the district's water systems. This project included the replacement of
the water main and services within the neighborhood, including
residences, businesses, and public facilities.

Funding for this project was to replace 1000 ft. of 6" water pipe in a
loop along Amherst Road and Millbrook Street in order to meet
the new requirements for the district's water systems. This project
included the replacement of the water main and services within
the neighborhood, including residences, businesses, and public facilities.

The vehicle is the Loring arena vehicle used for day-to-day operations. This vehicle replaces a 2004 4x4 4-Door Ford Explorer with 58,947 miles.

The vehicle is used to haul heavier equipment, trailers and materials to
Parks locations throughout the town. This vehicle provides
useful to transport parks maintenance crews   This vehicle replaces a 2008 F650 4x2 Crew Cab Dump Truck with 23,933 miles.

Funding for this project was to replace a 2004 4x4 4-Door Ford Explorer with 58,947 miles.

Security enhancements throughout the district, electrical and plumbing upgrades in
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all applicable federal, state, and local regulations.

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the district's water systems. This project included the replacement of
the water main and services within the neighborhood, including
residences, businesses, and public facilities.

Funding for this project was to replace 1000 ft. of 6" water pipe in a
loop along Amherst Road and Millbrook Street in order to meet
the new requirements for the district's water systems. This project
included the replacement of the water main and services within
the neighborhood, including residences, businesses, and public facilities.

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all applicable federal, state, and local regulations.

Necessary infrastructure improvements

Funding for the improvements was to meet the new requirements for
the district's water systems. This project included the replacement of
the water main and services within the neighborhood, including
residences, businesses, and public facilities.

Funding for this project was to replace 1000 ft. of 6" water pipe in a
loop along Amherst Road and Millbrook Street in order to meet
the new requirements for the district's water systems. This project
included the replacement of the water main and services within
the neighborhood, including residences, businesses, and public facilities.

The vehicle is the Loring arena vehicle used for day-to-day operations. This vehicle replaces a 2004 4x4 4-Door Ford Explorer with 58,947 miles.

The vehicle is used to haul heavier equipment, trailers and materials to
Parks locations throughout the town. This vehicle provides
useful to transport parks maintenance crews   This vehicle replaces a 2008 F650 4x2 Crew Cab Dump Truck with 23,933 miles.

Funding for this project was to replace a 2004 4x4 4-Door Ford Explorer with 58,947 miles.

Security enhancements throughout the district, electrical and plumbing upgrades in
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<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beacon St Water Mains</td>
<td>Design Replace approximately 4,100 l.f. of existing 8/16-inch w.p. with new 16-inch w.p.</td>
<td>2017</td>
<td>2023</td>
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<td>Maynard Rd Water Main Replacement</td>
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<td>2023</td>
<td>$225,000</td>
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<td>Design Replace 1900s 8-inch water pipe in loop along Worcester Road eastbound from Main Street to Main Street back to Union Ave (approximately 5,100 l.f.)</td>
<td>2017</td>
<td>2023</td>
<td>$180,000</td>
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<tr>
<td>Salem End Rd Water Main Replacement - Construction</td>
<td>Design and Construction Install approximately 400 l.f. of new 8-inch w.p.</td>
<td>2017</td>
<td>2022</td>
<td>$1,900,000 $18,415,000</td>
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</table>
The plan is to begin with one elementary school (25 classrooms and 15 grade offices per year until all furniture has been replaced as necessary).

Furnish New and Replace Outdated Furniture at multiple schools.

The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 25 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of tables and other devices. The plan is to begin with one elementary school (25 classrooms) and 15 grade offices per year until all furniture has been replaced as necessary.

Security Enhancement Throughout the District

The School Department has implemented increased security measures throughout the District and is mindful of past national school-related security events. Continue to enhance security throughout the District $500,000 per year.

Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems - FY23

Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.
ADA Upgrades for Compliance
Upgrades to Curbs, Sidewalks, Handicap Ramps/Lifts, Signage, Bathroom Fixtures, Hardware, Signage and Removal of All Architectural Barriers and Design for Compliance

-帕克
- 硬件
- 标牌
- 浴室
- 管理
- 设计
- 设计

Numerous schools were cited for damaged curbs, sidewalks, surfaces, handpumps and deteriorated pavement in the ADA. Town-wide Transition Plan – Replace lifting ramps and paralympic as part of a phased repair and upgrade plan to repair or replace the noted deficiencies while retaining architectural barriers and replacing or adding ADA compliant signage.

School  | School Building Structure  | $ 200,000

Asbestos Abatement – Floor Tile, Ceiling Tile, Pipe Insulation – Wash School
Asbestos Abatement – Floor Tile, Ceiling Tile, Pipe Insulation – Wash Middle School

Please note that the majority of ADA removal and replacement listed must be completed during the months of June and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

School  | School Building Structure  | $ 450,000

Paving Replacement/Storm Water All Schools – Technology F26

Multiple project with ongoing work to preserve and maintain school parking lots, driveways and storm water systems. As in the past, the Town Unit Pricing Contracts will be utilized.

School  | Stormwater Improvement  | $ 400,000

Heating Ventilation Air Conditioning (HVAC) – Replace Rooftop Air Handling Units (AHUs) and ventila

Continuous upgrading Heating Ventilation Air Conditioning (HVAC) equipment at Woodrow Wilson High School.

School  | School Building Mechanical  | $ 477,000

Lighting Upgrades – Phase IV Project – Madagascar Elementary School
Lighting Upgrades – Madagascar Elementary School

Lighting Upgrades – ongoing

School  | School Building Mechanical  | $ 40,000

Electrical Service Upgrades – Potter Road – FY24/25

Electrical Service UpgradePotter Road

FY24: $275,000
FY26: $120,000

School  | School Building Mechanical  | $ 215,000

Generator – IV  | Generator

Generator

First Farming

School  | School Building Mechanical  | $ 930,000

Roof Replacement – Cameron School – Deferral
Roof Replacement at Cameron School – 20 Year Replacement Schedule

VF26: $155,000
VF35: $2,919,300
VF35: $6,000

School  | School Building Structure  | $ 173,000

Grounds Equipment Upgrade – Mower FY26

Replacement of 18 year old Toro Groundmaster mower

School  | School Building Equipment  | $ 96,000

Utility Trucks

- 车辆

School  | School Building Equipment  | $ 50,000

Fire 

F250 4x4 Regular Cab Pickup Truck

Ford F350 4x4 Maintenance Body

Truck that will replace a 2012 F250 4x4 Regular Cab Pickup Truck with 28,752 miles.

School  | Parks Rolling Equipment  | $ 40,000

F350 4x4 Regular Cab Pickup Truck

F350 4x4 Regular Cab Pickup Truck that will replace a 2013 Ford F350 Regular Cab Pickup Truck with 26,762 miles.

School  | Parks Rolling Equipment  | $ 40,000

F250 4x4 Regular Cab Pickup Truck

Ford F350 4x4 Maintenance Body

Truck that will replace a 2012 Ford F350 Regular Cab Pickup Truck with 26,762 miles.

School  | Parks Rolling Equipment  | $ 50,000

Mary Dennison II Softball Field/Lighting

Lighting Mary Dennison II softball field.

Increased programming in the Parks and Recreation Dept., School Dept. and community use groups results in an immediate need for additional lighting and maintenance equipment.

School  | Parks Facilities  | $ 367,000

Tennis & Basketball Resurfacing Phase III

- 球员

School  | Parks Facilities  | $ 236,000

Rehabbing Basketball Fields

Rehab and Clean Lines at four field ball fields.

School  | Parks Facilities  | $ 50,000

Park Signage Phase II

Installation of phase 2 of a signage program for Parks and Recreational properties throughout Town.

School  | Parks Facilities  | $ 36,000

Merchant Road Saver Ffwn Rolling Equipment

Installation of a building containing restrooms and storage at the Merchant Road Lacrosse field.

School  | Parks Facilities  | $ 87,500
**Checklist of Projects**

**Building Infrastructure**
- Replacement of aging infrastructure in various parks.
- This includes the repair or replacement of infrastructure such as roads, sidewalks, and drainage systems.
- The projects are aimed at ensuring the safety and accessibility of these facilities to the public.

**Replace Pump Station and Force Main.**
- This project involves the replacement of existing pump stations and force mains, which are critical components of the city's water and sewer systems.
- The upgrade will improve the reliability and efficiency of these systems, ensuring a steady supply of water and sewage removal.

**Complete renovation and upgrade of existing parks.**
- The renovation projects aim to enhance the functionality and accessibility of parks, making them more enjoyable and safe for visitors.

**Annual Various Sewer Improvement - 2024**
- This project covers a range of sewer improvements across different areas, focusing on the maintenance and enhancement of the city's sewer infrastructure.

**Annual Various Water Improvements - 2024**
- Similar to the sewer improvement project, this one targets various water-related projects, ensuring water quality and supply for the city's residents.

**Building the Future School Construction**
- This project involves the construction of modern facilities that align with the city's educational standards and future needs.

**Additional Infrastructure Projects**
- Includes various other projects such as road repairs, drainage improvements, and public facility enhancements.

**Total General Fund**
- Funds allocated for these projects, totaling $15,504,450.

---

**Funding Breakdown**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Year</th>
<th>Amount</th>
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<tr>
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<td>2024</td>
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<td>$150,000</td>
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<tr>
<td>Replace Pump Station and Force Main</td>
<td>2024</td>
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</tr>
<tr>
<td>Replace Pump Station and Force Main</td>
<td>2024</td>
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<tr>
<td>Replace Pump Station and Force Main</td>
<td>2024</td>
<td>$2,000,000</td>
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</table>

**Note:** The table above provides a summary of the funding allocated for different projects. Each project has a specific description and is associated with a timeline and budgeted amount. The total fund allocation is $15,504,450. The projects are spread across various city departments and infrastructural areas, ensuring comprehensive improvement for the city's infrastructure.
The work is primarily located on Edgell Road between Central Street and Water Street. The project includes the replacement of approximately 9,300 linear feet of existing 8 inch cast iron pipe from 1917, upgrading to 12 inches based on the recommendations of the Water Master Plan. The project will also include the replacement of hydrants and water services within the right-of-way along the new water main. The project evaluation of a water transmission line and replacement of the vitrified clay drain line. The project will also include a detailed survey, borings, and geotechnical analyses sufficient for future roadway improvements. Permitting and access requirements will be addressed.

The original Water Master Plan identified the Edgell Road corridor from Water Street to Central Street as one of the “first priority” corridors for water improvements, several other corridors having been upgraded including Water Street, Fay Road, Cove Avenue, Grant Street, Brigham Road, and Prospect Street. The first priority (highest) are water mains with poor or inadequate fire fighting protection capabilities. In addition, at 8 inches and nearly 100 years old, the water main along this corridor is undersized for current demands and has reached the end of its useful life. Design challenges include two aqueduct crossings and one rail crossing. This project is being coordinated with the Edgell Road Sewer Main improvements project, the Edgell Road Water Pumping Station rehabilitation project, and area roadway upgrade projects.

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**Mt Wayte Ave Water Mains - Design**

Replace approximately 2,800 l.f. of existing 8/12-inch w.p. with new 12-inch w.p. Necessary infrastructure improvements: Vehicle has reached the end of its reliable service life and is scheduled for 20 year replacement in 2023.

**Replace #695 ‘03 6-inch Goodwin Pump**

Replace 2003 6-inch Goodwin pump

<table>
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<tr>
<th>ID</th>
<th>Title</th>
<th>2017</th>
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<td>Water Piping</td>
<td>Water Rolling Equipment</td>
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<td>FY22</td>
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<tr>
<td>City Building Structure</td>
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### Asset Grouping: Infrastructure

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</tr>
<tr>
<td><strong>Total Infrastructure Asset Group</strong></td>
<td><strong>$31,285,382</strong></td>
<td><strong>$47,516,562</strong></td>
<td><strong>$47,074,500</strong></td>
<td><strong>$34,436,950</strong></td>
<td><strong>$37,656,488</strong></td>
<td><strong>$32,107,837</strong></td>
<td><strong>$230,077,719</strong></td>
</tr>
</tbody>
</table>

### Asset Grouping: Facilities/Buildings

<table>
<thead>
<tr>
<th></th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>Total by Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Building Structure</td>
<td>$0</td>
<td>$0</td>
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<td>$106,640</td>
<td>$606,640</td>
<td>$106,640</td>
<td>$606,640</td>
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<tr>
<td>School Building Structure</td>
<td>$3,140,000</td>
<td>$68,832,156</td>
<td>$2,846,385</td>
<td>$1,705,600</td>
<td>$28,333,760</td>
<td>$2,024,000</td>
<td>$106,581,901</td>
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<tr>
<td>Pump Station Structure</td>
<td>$0</td>
<td>$2,225,000</td>
<td>$4,425,000</td>
<td>$13,275,000</td>
<td>$300,000</td>
<td>$2,750,000</td>
<td>$22,975,000</td>
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<tr>
<td><strong>Total Facilities/Buildings Asset Group</strong></td>
<td><strong>$3,140,000</strong></td>
<td><strong>$71,057,156</strong></td>
<td><strong>$7,771,385</strong></td>
<td><strong>$14,980,600</strong></td>
<td><strong>$28,333,760</strong></td>
<td><strong>$4,880,640</strong></td>
<td><strong>$130,163,541</strong></td>
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</table>

### Asset Grouping: Equipment, Rolling and Non-rolling

<table>
<thead>
<tr>
<th></th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>Total by Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Non-Rolling Equipment</td>
<td>$182,618</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$182,618</td>
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<tr>
<td>City Technology Hardware</td>
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<td>$206,000</td>
<td>$250,000</td>
<td>$0</td>
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<td>$1,326,253</td>
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<tr>
<td>City Technology Software</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$186,000</td>
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<tr>
<td>Parks Rolling Equipment</td>
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<td>$672,311</td>
<td>$350,359</td>
<td>$214,496</td>
<td>$226,450</td>
<td>$154,846</td>
<td>$1,857,171</td>
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<tr>
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<td>$0</td>
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<td>$287,500</td>
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<tr>
<td>Public Safety Rolling Equipment</td>
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<td>$600,000</td>
<td>$572,000</td>
<td>$0</td>
<td>$2,617,201</td>
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<td>Public Safety Non-Rolling Equipment</td>
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<td>$151,000</td>
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<td>$732,000</td>
<td>$732,000</td>
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<tr>
<td>Public Works Rolling Equipment</td>
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<td>$1,923,967</td>
<td>$1,457,633</td>
<td>$3,967,912</td>
<td>$850,137</td>
<td>$11,181,100</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$3,990,000</td>
<td>$3,990,000</td>
</tr>
<tr>
<td>School Building Mechanical</td>
<td>$2,100,000</td>
<td>$1,079,100</td>
<td>$1,052,000</td>
<td>$956,000</td>
<td>$888,300</td>
<td>$2,077,000</td>
<td>$8,295,400</td>
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<tr>
<td>School Non-Rolling Equipment</td>
<td>$470,000</td>
<td>$449,380</td>
<td>$300,000</td>
<td>$300,000</td>
<td>$300,000</td>
<td>$300,000</td>
<td>$2,119,380</td>
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<tr>
<td>School Rolling Equipment</td>
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<td>$315,898</td>
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<tr>
<td>School Technology Software</td>
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<td>$500,000</td>
<td>$500,000</td>
<td>$500,000</td>
<td>$500,000</td>
<td>$500,000</td>
<td>$2,750,000</td>
</tr>
<tr>
<td></td>
<td>FY19</td>
<td>FY20</td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>Total by Type</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------------</td>
</tr>
<tr>
<td><strong>Pump Station Mechanical</strong></td>
<td>$900,000</td>
<td>$400,000</td>
<td>$400,000</td>
<td>$400,000</td>
<td>$400,000</td>
<td>$400,000</td>
<td>$2,900,000</td>
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<tr>
<td><strong>Sewer Rolling Equipment</strong></td>
<td>$618,214</td>
<td>$276,806</td>
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<td>$362,590</td>
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<tr>
<td><strong>Sewer Non-Rolling Equipment</strong></td>
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<td>$0</td>
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<td>$0</td>
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</tr>
<tr>
<td><strong>Water Non-Rolling Equipment</strong></td>
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<td>$0</td>
<td>$0</td>
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<td>$200,000</td>
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<tr>
<td><strong>Water Rolling Equipment</strong></td>
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<td>$62,987</td>
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<td>$0</td>
<td>$87,500</td>
<td>$1,452,055</td>
</tr>
<tr>
<td><strong>Total Equipment Asset Group</strong></td>
<td>$11,389,293</td>
<td>$7,529,899</td>
<td>$5,836,746</td>
<td>$5,626,036</td>
<td>$7,370,162</td>
<td>$4,845,483</td>
<td>$42,597,619</td>
</tr>
<tr>
<td><strong>Total Infrastructure Asset Group</strong></td>
<td>$31,285,382</td>
<td>$47,516,562</td>
<td>$47,074,500</td>
<td>$34,436,950</td>
<td>$37,656,488</td>
<td>$32,107,837</td>
<td>$230,077,719</td>
</tr>
<tr>
<td><strong>Total Facilities/Buildings Asset Group</strong></td>
<td>$3,140,000</td>
<td>$71,057,156</td>
<td>$7,771,385</td>
<td>$14,980,600</td>
<td>$28,333,760</td>
<td>$4,880,640</td>
<td>$130,163,541</td>
</tr>
<tr>
<td><strong>Total Equipment Asset Group</strong></td>
<td>$11,389,293</td>
<td>$7,529,899</td>
<td>$5,836,746</td>
<td>$5,626,036</td>
<td>$7,370,162</td>
<td>$4,845,483</td>
<td>$42,597,619</td>
</tr>
<tr>
<td><strong>Total Investment, All Asset Groups</strong></td>
<td>$45,814,675</td>
<td>$126,103,617</td>
<td>$60,682,631</td>
<td>$55,043,586</td>
<td>$73,360,410</td>
<td>$41,833,960</td>
<td>$402,838,879</td>
</tr>
</tbody>
</table>
## FY2019 to FY2024 Capital Improvement Plan

### CIP Summary Data by Department

<table>
<thead>
<tr>
<th>Department</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>Total by Dept</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Clerk</td>
<td>$116,580</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<td>$0</td>
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<tr>
<td>Fire</td>
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<td>$1,105,000</td>
<td>$751,000</td>
<td>$698,000</td>
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<td>$0</td>
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<td>DPW-Fleet</td>
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<td>DPW-Highway</td>
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<td>$13,834,967</td>
<td>$8,539,593</td>
<td>$16,114,125</td>
<td>$10,238,887</td>
<td>$72,761,151</td>
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<td>DPW-Sanitation</td>
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<td>$585,000</td>
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<td>DPW-Snow &amp; Ice</td>
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<td>$0</td>
<td>$0</td>
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<td>$0</td>
<td>$136,970</td>
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<tr>
<td>Parks &amp; Recreation</td>
<td>$939,091</td>
<td>$1,506,873</td>
<td>$3,588,992</td>
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<td>$2,361,038</td>
<td>$1,539,323</td>
<td>$18,849,813</td>
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<tr>
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<td>$5,298,385</td>
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<td>$30,322,060</td>
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<td>Water Dept</td>
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<tr>
<td>Sewer Dept</td>
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<tr>
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<tr>
<td><strong>Total Utility Ent. Fund</strong></td>
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<td><strong>Total All Depts</strong></td>
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<td>$55,043,586</td>
<td>$73,360,410</td>
<td>$41,833,960</td>
<td>$402,838,879</td>
</tr>
</tbody>
</table>

* denotes major school renovation included