

Town of Natick

Fall 2022 Capital Requests

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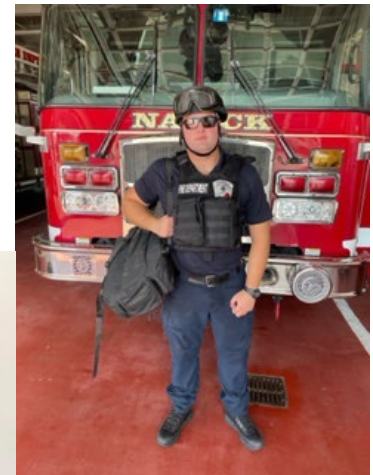
Fire Department

(Car 5 under DPW)

Safety Gear

Rescue Task Force Safety Equipment

- Rescue Task Force: Firefighters who are trained and equipped to handle ASHER (Active Shooter Hostile Event Response) incidents.
- Safety Equipment: Consists of body armor (bullet proof vests) to protect FF's operating at these incidents.
- Expired Equipment: “torso plates” are good for 5 years.



Firefighting Foam Remediation & Replacement (PFAS)

- \$19,500 to remediate and replace old Firefighting foam
- Remediation cost may go down pending Mass Dept. of Environmental Protection funding.
- Replacement foam will be a UL approved “Green” foam.



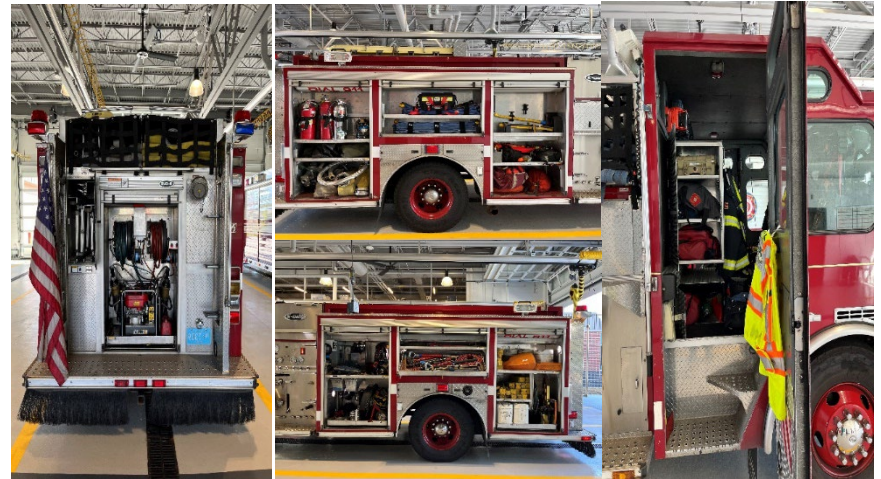
Firefighting Foam Remediation & Replacement (PFAS)

- Department currently has 275 gallons of PFAS containing firefighting foam.
- Used for extinguishing Class B (liquid)/ high hazard fires.
- PFAS are forever chemicals linked to contamination of ground water.



Equipment for Replacement Engine

- \$115,000.00 to outfit Engine 4 which was replaced on FY 22 Capital.
- Cost escalation and inflation increased base price of truck only to within \$12,000 of total allocated budget.
- Replace older equipment with more reliable & modern equipment.



Equipment for Replacement Engine

- Cost savings: what was removed/reusing
 - Reusing the hose - \$15,000
 - Reusing extinguishers - \$950
 - High-rise equipment - \$1,750
 - Thermal Imager - \$9,799 (acquired under a grant)



Town of Natick

Fall 2022 Capital Requests
Information Systems

Phone System Replacement

\$207,200 – to replace aging on premise telephone system equipment with a hosted/cloud based phone system.

Current system will reach end of life June 2023 and will need to be replaced/upgraded

Request will allow move to a hosted/cloud based system

- Work from Anywhere - moves the phone system to the cloud, meets the IT Vision of creating a ubiquitous data and voice environment. Accessible from any Internet connected device - desktop handset, mobile phones and tablets, desktops and laptops (PC, Mac and Chrome)
- Compliant with Keri's Law and the Ray Baum's Act
- No more administration and support of physical phone switches in each building
- Substantially increases business continuity in the event of almost any disaster – pandemic, man-made or natural disaster, internal network outage, etc..
- Substantially reduces or eliminates the mean time to recovery (MTTR) – the amount of time required to replace a failed physical phone switch with a new one. With a hosted/cloud based phone system, the only piece of equipment that would need to be replaced is a physical desktop handset.



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Police Department

(Cruisers under DPW)

Public Safety Radio

- \$1,730,000 to design and equip a complete overhaul of the public safety radio system.
- Natick Public Safety needs to change all aspects of our radio equipment including portable radios, mobile radios, transmitters, receivers and consoles to a new frequency spectrum rendering current equipment obsolete.
- This is required due to the change in T-Band Spectrum of LAN mobile radio systems used by numerous entities including public safety that is going into effect in 2023.



Town of Natick

Fall 2022 Capital Requests
Public Works



Replace Fire Car 5

- Replace 2011 Ford Expedition – Fire Car 5
- Over 90,000 miles and 8,000 engine hours at time of replacement
- Used daily by Fire Prevention and used in response to emergency events
- Existing vehicle has numerous maintenance issues



Appropriation Request \$100,000



Police Cruiser Replacement

Over 100,000 miles at replacement

Three Police Interceptors

Replacement vehicles will have hybrid powertrains



Appropriation Request \$210,000



Tree Inventory

<https://www.natickma.gov/1560/Public-Tree-Inventory>

- Continue inventory of public shade trees and trees of significance
- Aids in assessment of risk and mitigation of risk
- Estimate of 8,000 public shade trees townwide

Town of Natick, MA

Cumulative Asset Value of All Inventoried Trees: \$3,971,984.55

TREE DETAILS	
Common name:	Redwood-Dawn
Scientific name:	<i>Metasequoia glyptostroboides</i>
Height class:	Large
Diameter at breast height:	38 in.
Age class:	Mature
Canopy radius:	30 ft.
Condition:	Good
Tree Asset Value:	\$29,159.39
Location Information:	View

TREE INFO

RECOMMENDATIONS

RISK

TREE OBSERVATIONS

ADDITIONAL INFO

Filter Options: Filter Trees, Reset, Street Address, Go To Address, My Location

View Tree ID: [input] Go

Map View, Help

Appropriation Request \$10,000



Guardrails (Various Locations)

- Replace Damaged and Deficient Guardrail at various locations



Appropriation Request \$18,000

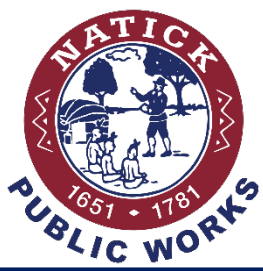


Replace Dumpsters

- Dumpsters at 12 Municipal Buildings/Sites and at all Public Schools
- Existing inventory of 60 total Containers – from 2 cy to 30 cy in size
- For collection of Solid Waste, Cardboard, SS Recycling
- Replacement costs range from \$2,200 to \$6,400 per dumpster (requested funding would replace 2 to 4 containers)

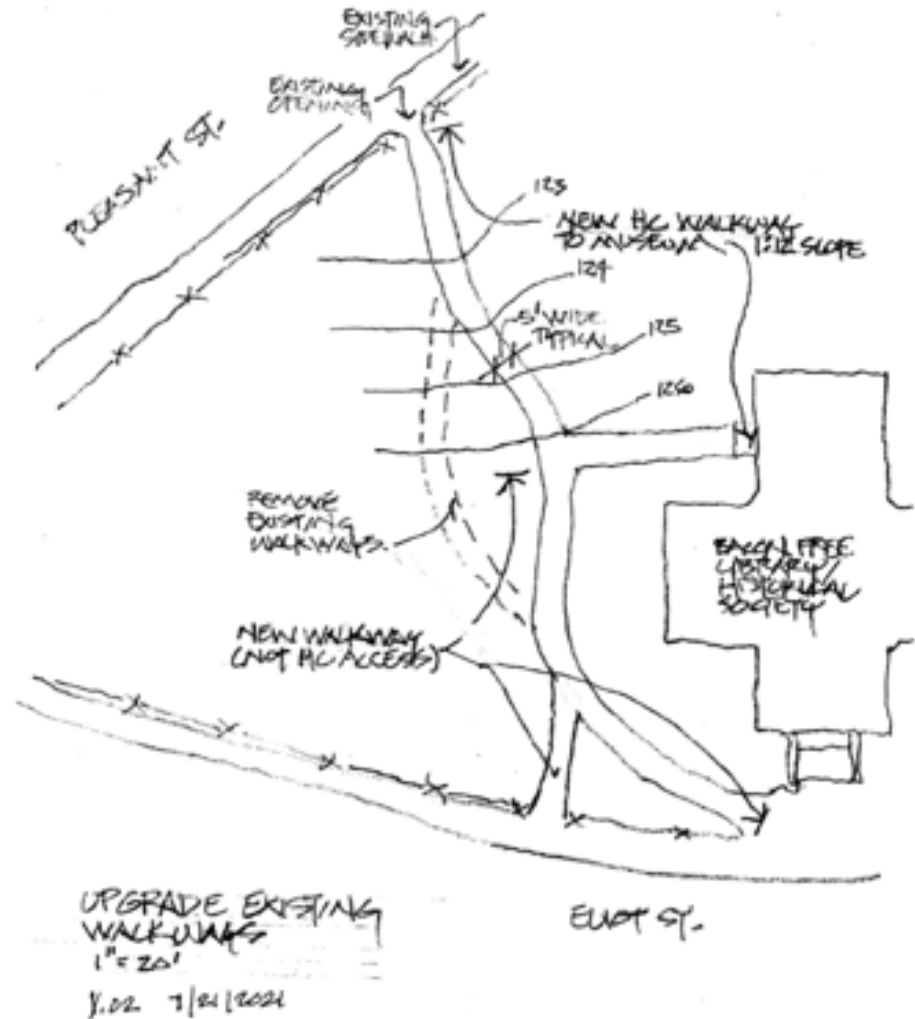


Appropriation Request \$25,000



Bacon Free Library/Historical Society Access Walkways

- Replace bituminous concrete walkway
- Create ADA compliant accessible route to access Historical Society
- Existing walkway in poor condition



Appropriation Request \$25,000

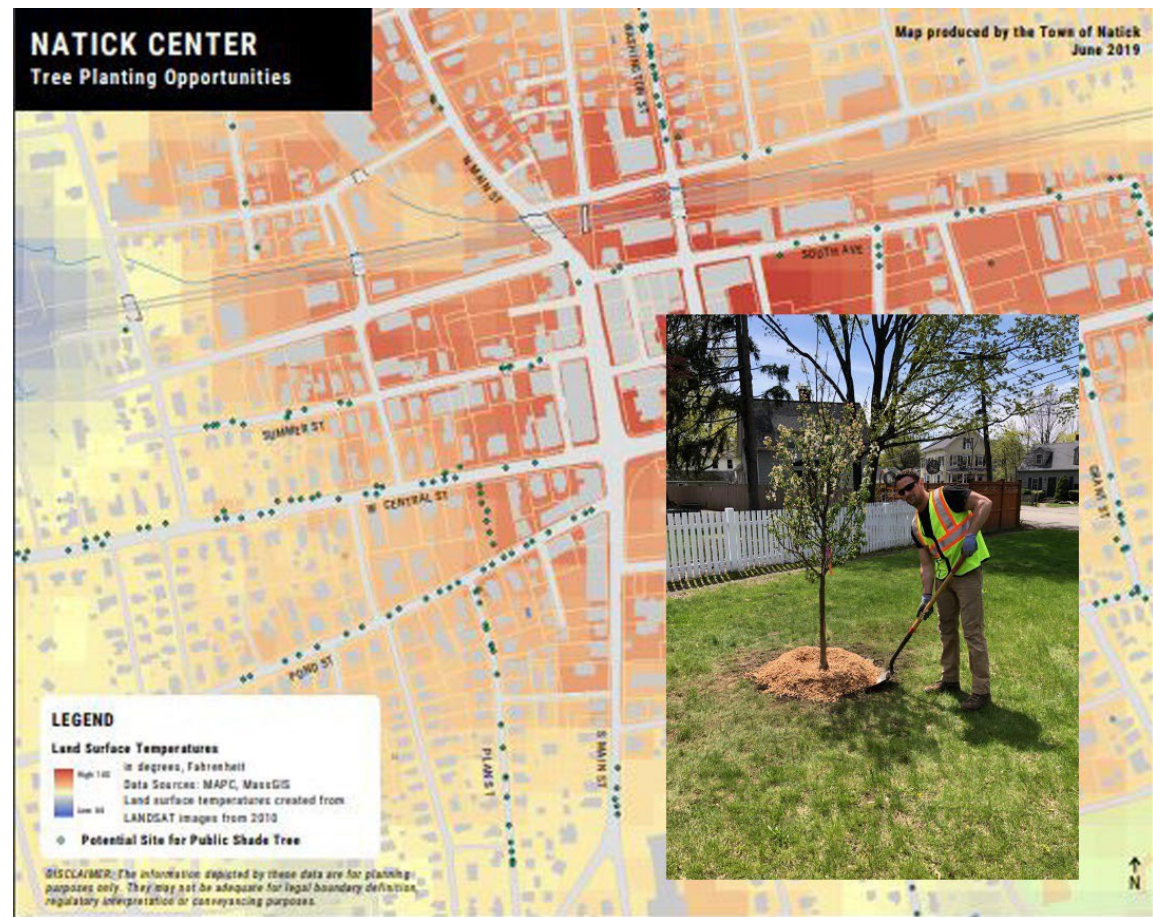


Tree Replacement

<https://www.natickma.gov/1637/Strategic-Tree-Planting-Program>

- Continue Public Shade Tree Planting
- 30-50 Risk Trees removed per year (will increase)
- Loss of Tree Canopy due to disease, climate change and invasive pests
- Goal is to exceed removal numbers - planted 38 new trees in 2021 & 2022

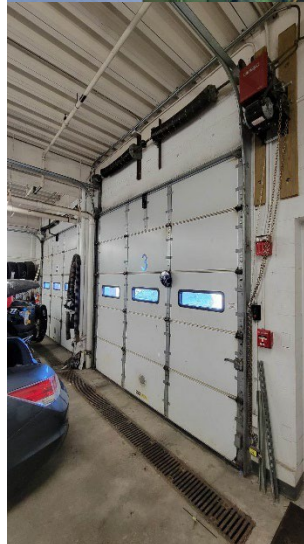
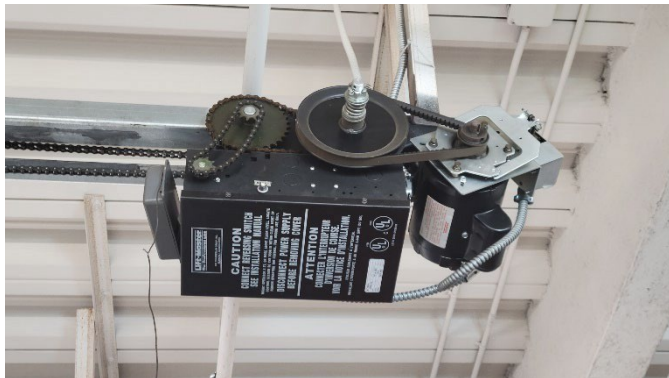
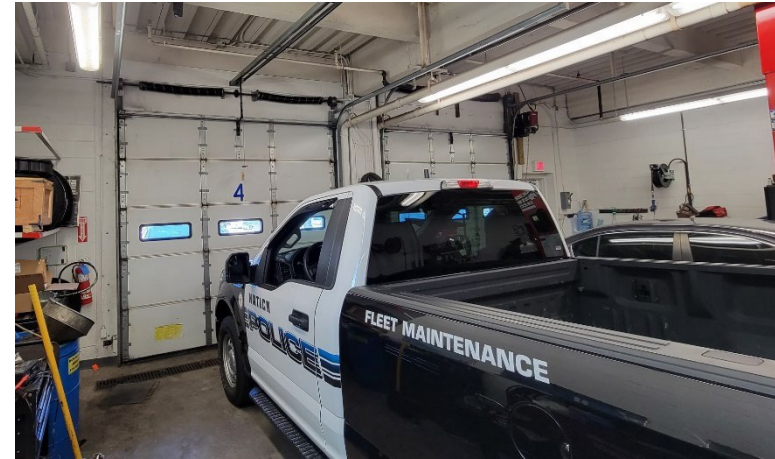
Appropriation Request \$30,000





Replace Garage Doors – Police Garage

- Replacement of overhead garage doors, motors, sensors, weather stripping at the Police Station satellite garage
- Overhead doors original to building. Existing doors are worn, have mechanic issues and have low insulating value



Appropriation Request \$40,000



Replace Vehicle 22 (BH-1)

- Replace 2010 Ford F-150
- 55,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Board of Health staff for inspections around Town
- Replacement vehicle will have hybrid powertrain



Appropriation Request \$80,000



Replace Vehicle 102 (NFM-87)

- Replace 2011 Ford Escape
- 80,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Building Facilities Manager
- Replacement will have hybrid powertrain



Appropriation Request \$70,000



Replace Vehicle 2 (E-1)

- Replace 2012 Ford Escape
- 140,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Town Engineer and Engineering Division
- Replacement will have hybrid powertrain

Appropriation Request \$70,000





Replace Vehicle 4 (E-3)

- Replace 2009 Ford Explorer
- 115,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Engineering Division for site inspections and oversight of construction projects
- Replacement will have hybrid powertrain



Appropriation Request \$70,000



Replace Vehicle 401 (H-1)

- Replace 2010 Ford F-150
- 115,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Highway/Sanitation Division Supervisor
- Replacement will have hybrid powertrain



Appropriation Request \$80,000



Replace Vehicle 105 (NFM-83)

- Replace 2012 Ford F-350 with snow plow
- 45,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Facilities and School Department for building maintenance activities. Assists with winter snow removal



Appropriation Request \$135,000



West Street Landfill – Replace Gas Collection Manholes and Covers

- Replace Landfill Gas Collection Manholes and Covers
- Existing covers broken and damaged
- Replacements will improve safety for golfers and provide secure access to the gas collection system



Appropriation Request \$100,000



Replace Vehicle 203 (LF-3)

- Replace 2013 Ford F-450 Dump Body Truck with snow plow
- 85,000 miles at time of replacement
- Existing vehicle has numerous maintenance issues
- Vehicle used by Land Facilities Division for maintenance of parks and fields



Appropriation Request \$145,000



Stormwater Master Plan

- Preparation of a town wide storm water master plan by engineering consultants
- Evaluate condition and capacity of the town's storm water conveyance systems
- Develop solutions to alleviate flooding
- Scoping and costs for future capital improvements
- First of two appropriation requests



Mercer Road Flooding

Appropriation Request \$125,000



Replace Vehicle 206 (LF-6)

- Replace 2012 Ford F-550 Hook Lift Truck (swap body) with snow plow
- 70,000 miles at time of replacement
- Existing vehicle has numerous maintenance issues
- Vehicle used by Land Facilities Division for maintenance of parks and fields



Appropriation Request \$265,000



Park and Field Renovations

- Hunewell Little League Field Improvements – Field 2 Backstop
- Wilson Field, Connor Heffler Field – Infield Renovations and Laser Grading
- Sargent Field – Identity and Regulatory Signage



Appropriation Request \$100,000



Replace Vehicle 402 (H-52)

- Replace 2011 Ford F-450 Utility Body Truck with snow plow
- 70,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Highway General Foreman

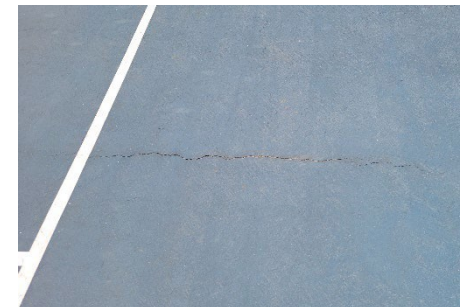
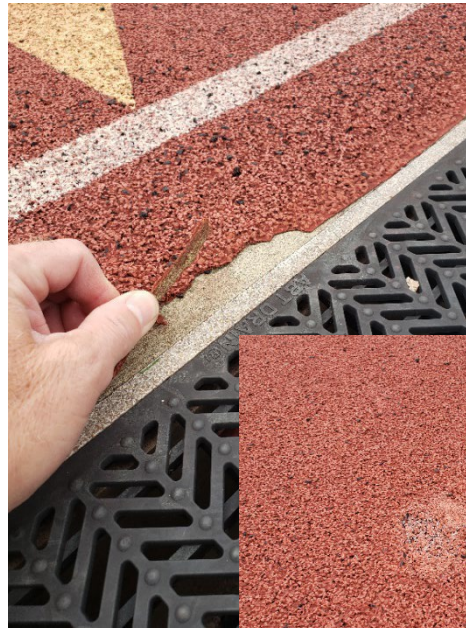


Appropriation Request \$280,000



Replace/Resurface Memorial Field Running Track and HS Tennis Courts

- Resurface Running Track Memorial Stadium
 - Top layer worn
 - Lines fading
 - New Surface prevents sub-surface damage, prolonging life of track
- High School Tennis Court Resurfacing
 - Top layer worn
 - Lines fading
 - Cracks in playing surface
 - New Surface prevents sub-surface damage, prolonging life of courts

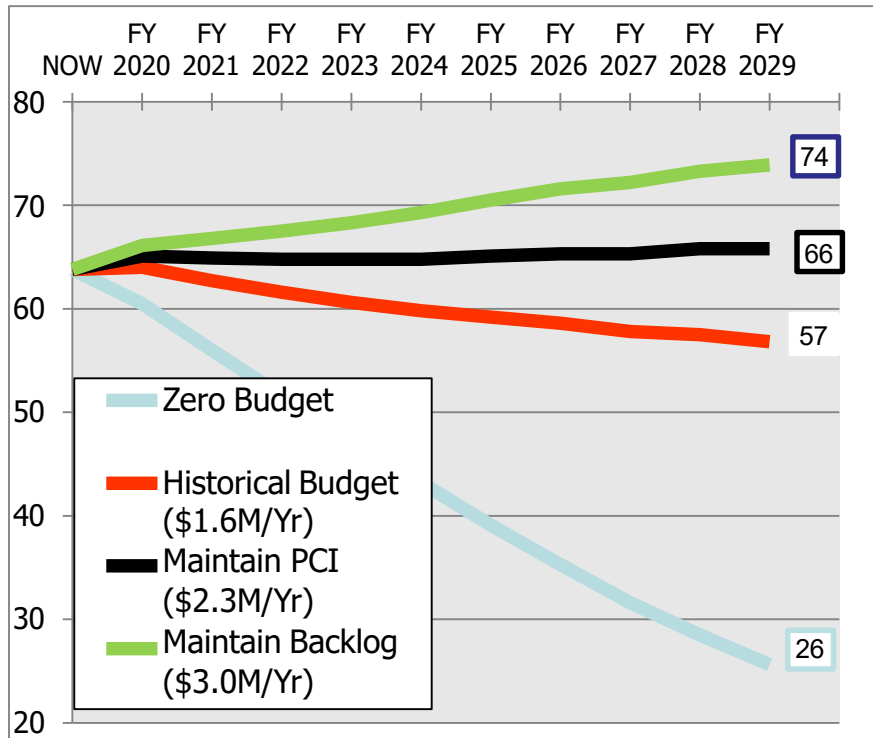


Appropriation Request \$350,000

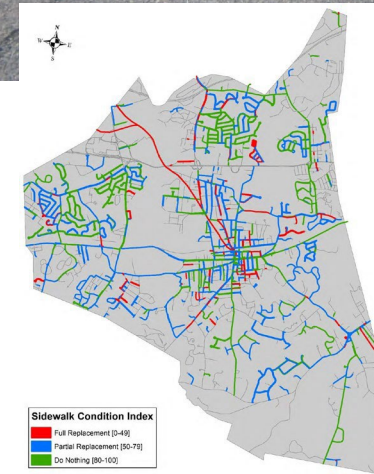
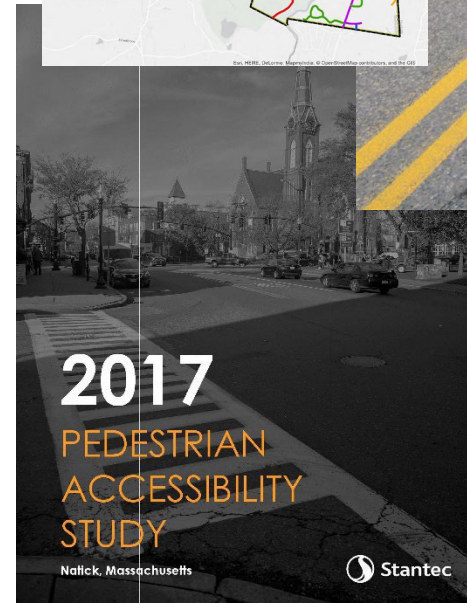
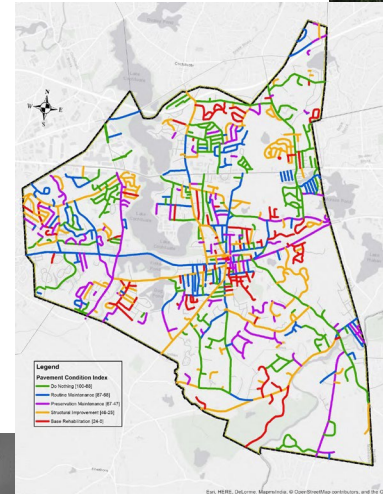


Roads and Sidewalks

- Supplement to Chapter 90 Funding
- Annual Roadway Improvement Contract
- Five Year Roadway Improvement Plan



Appropriation Request \$2,500,000



Town of Natick

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Town Clerk

Voting Machines

- **\$80,000** to replace 11 voting machines that were last replaced in 2011.
- Current machines are not utilizing the latest technology. New generation of machines operate more efficiently and the technology simplifies processes.
- Current machines are malfunctioning more frequently, are becoming more difficult to service and replacement parts are becoming more difficult to find.



Town of Natick

Fall 2022 Capital Requests
School Department



Replacement of High School Blade Server

Replace NHS Blade Server

Purchased in 2010 as part of new High School Project

- This provides virtual servers supporting district wide services such as phones, logging into the network, internet access, ability to print and scan securely using Uniflow, security systems, HVAC controls and various academic systems.
- The high school blade servers are running the last version of software that the hardware allows to stay compatible with the new data center at Kennedy Middle School. Without maintaining this compatibility we will not have a backup site or any redundancies to host our services should a major failure occur.



NHS Computer Labs in Need of Replacement

Web Design & Game Design Labs

- Both of these labs have reached their 4 year useful life.
- Each of these labs runs software that demands up to date hardware to support it.
- Both of these labs are outfitted with Apple iMac computers.

Town of Natick

Fall 2022 Capital Requests
Public Works
Water & Sewer



Replace Vehicle 602 (W-2)

- Replace 2013 Ford Explorer
- 105,000 miles at time of replacement
- Existing vehicle has maintenance issues
- Vehicle used by Water Division Assistant Supervisor
- Replacement will have hybrid powertrain



Appropriation Request \$80,000



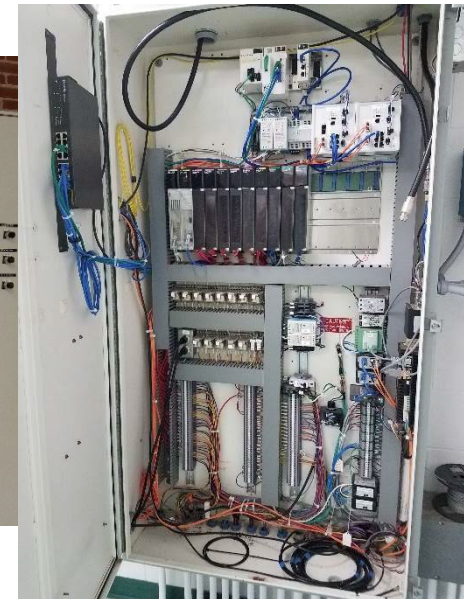
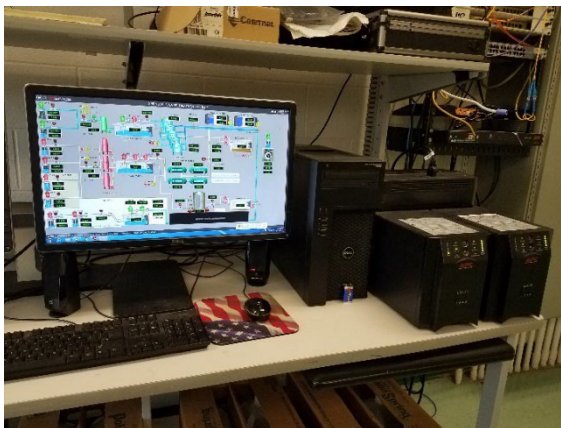
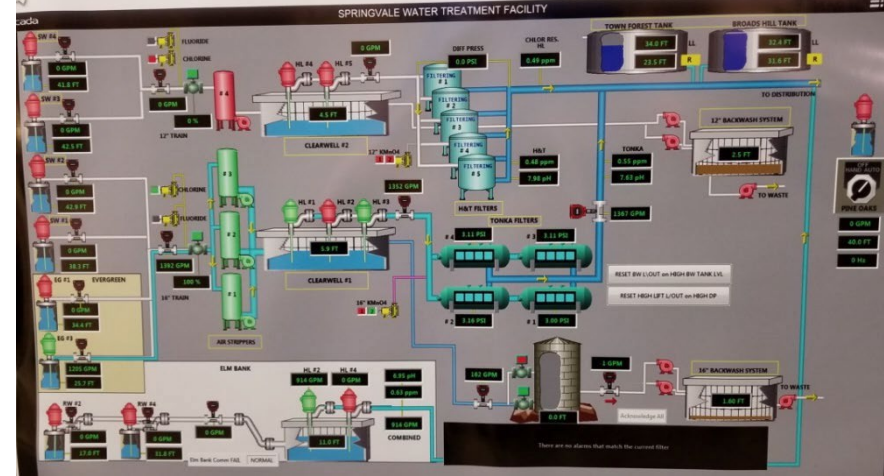
SCADA System Updates

Upgrades and Replacement of Supervisory Control and Data Acquisition (SCADA) System Components

SCADA allows for remote monitoring/operation and automatic warnings/alarms for operation of over forty Water and Sewer facilities

Multi-year project

Funds will replace aging SCADA equipment at the Evergreen water supply site and replace sewer pump station PLC's

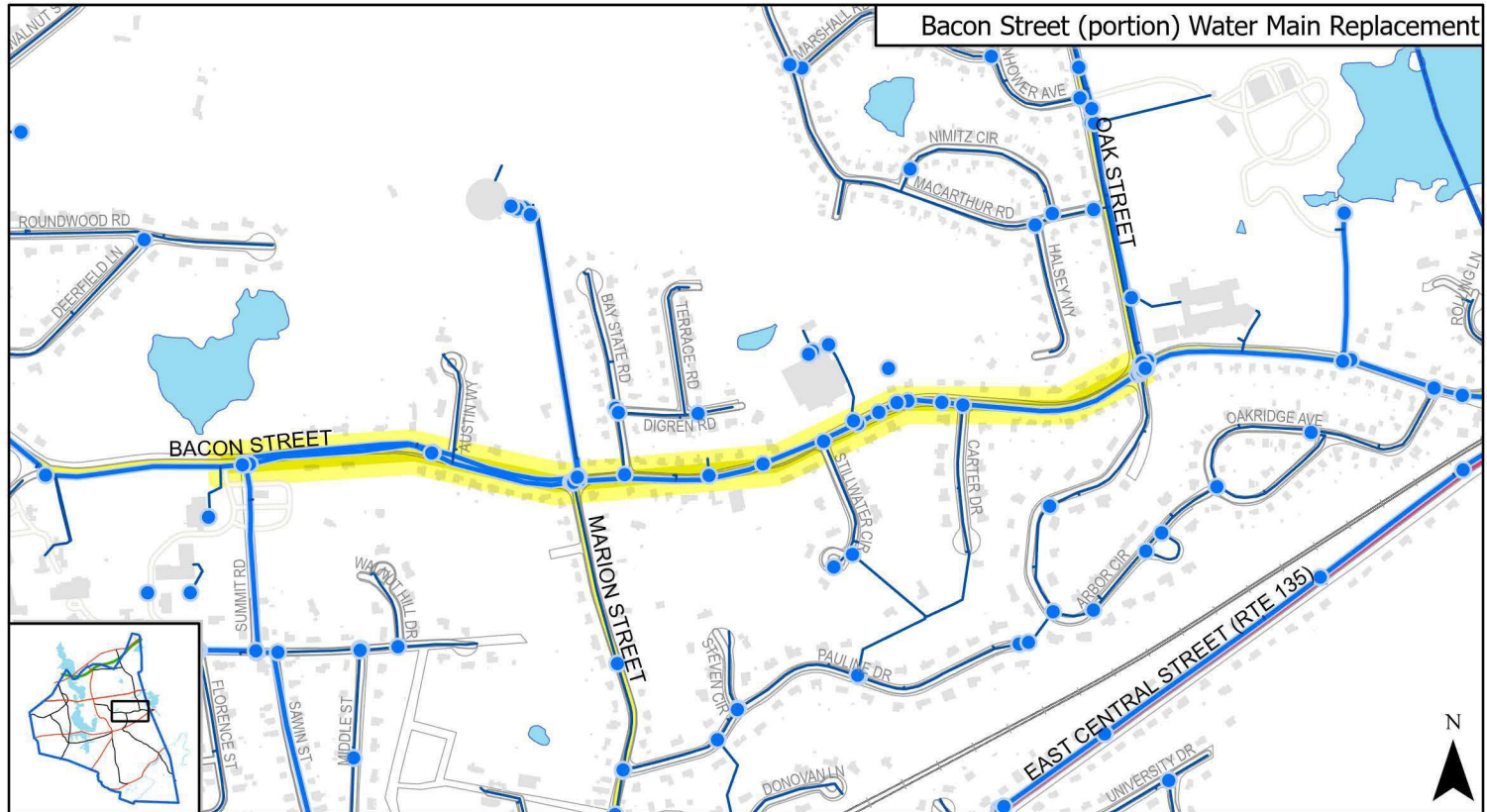


Appropriation Request \$80,000



Water Main Rehabilitation and Replacement

- Replace 4,250 feet of existing 10"/12" diameter water main on Bacon Street
- Existing 'thin-walled' unlined cast iron pipe
- History of breaks
- Services 56 Residential Homes



Appropriation Request \$2,600,000



PFAS Filter Media Replacement

- Replacement of Activated Carbon filter media for PFAS water filters at Springvale Water Treatment Facility
- Filter media anticipated lifespan 1 to 2 years
- Funds will target media replacement for 2 of the 4 H&T Filters and the 2 Tonka Filters

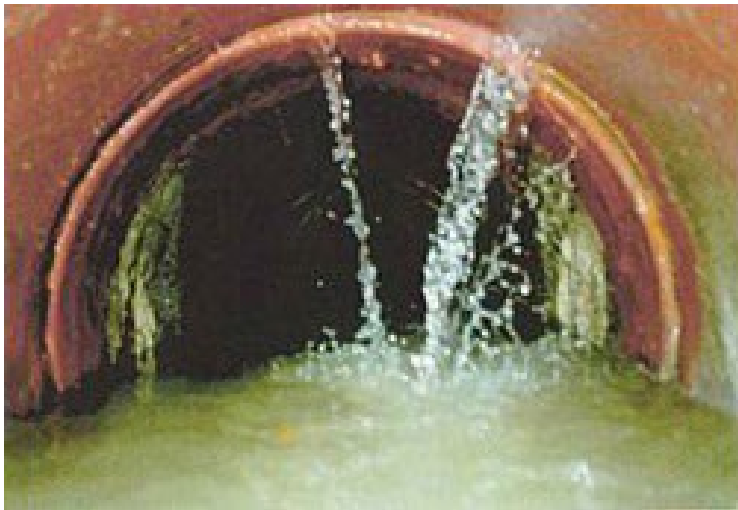


Appropriation Request \$450,000



Sewer Collection System Repairs

- Structural repair of Sewer Manholes and Mains
- Reduce and Remove Infiltration and Inflow (I&I)
- Successfully removed 1.42 MGD of I&I since 1997
- MWRA Assessment \$5.5 Million



Town of Natick

Fall 2022 Capital Requests
Sassamon Trace Golf Course

Sprayer (\$60,000)

Benefits of new sprayer

- Larger tank capacity making it more efficient
- 2 foot wider boom to cover more ground
- Computerized automatic rate control system
 - More precision with applications
 - Saves preparation time
- Decreased maintenance costs (current sprayer 15 years old)
- Total hourly savings roughly \$1,500 per year or \$24,000 over the expected life of machine



Gas Tanks (\$10,000)

- Replace current system of 2 tanks on the back of the truck
- Safer not to have to drive everywhere with 2 tanks of gas on the back of the truck
- Saves time as tanks will be larger making less trips to refill
 - Currently have to make weekly trips
- Current truck has been in repairs the last few summers (as it get used for plowing) meaning for 1 to 2 months we use 10 gallon jugs to refill all the machines

