



**FISCAL YEAR 2025**

**FACILITIES DEPARTMENT**

**CAPITAL IMPROVEMENT PLAN**



**Project Title:** Elevator Installation

SCH – 1

**Cost FY25:** \$900,000    **Potential Funding Sources:** General Fund Bond Issue

**Location:** BCIS

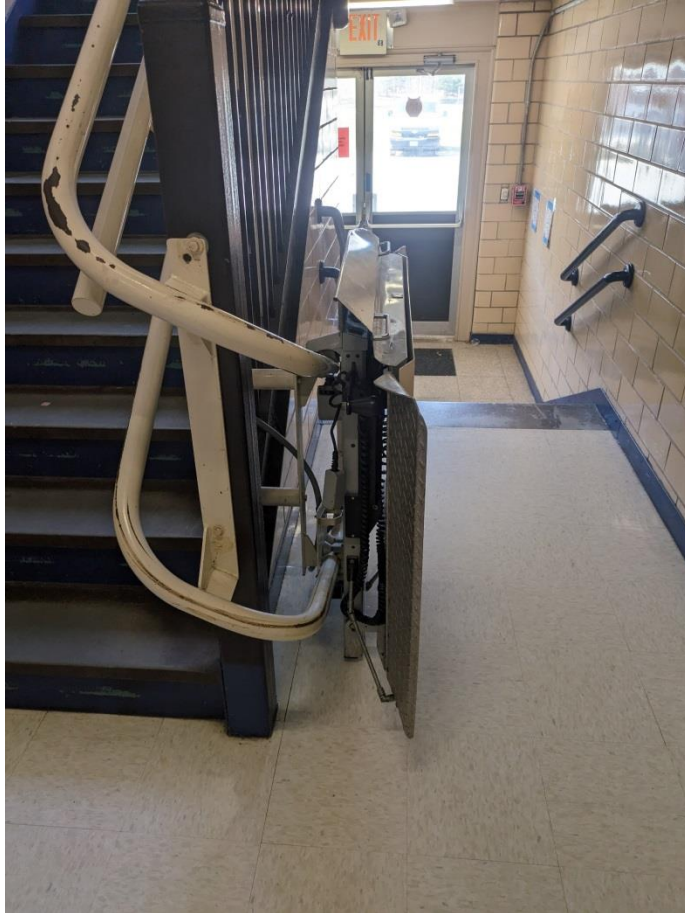
- **Project Description:** Install two elevators at Barnstable Community Innovation School. This will include a shaft and mechanical room. This request will provide funding for the project's design and construction phases. The outcome will provide reliable operation and accessibility of the second floor, gym, and cafeteria to all staff and students.
  
- **Project Justification:** The current chair lifts are at the end of their useful life, and they are difficult to repair because parts are hard to find or are no longer supported by the manufacturer.
  - Elevators will increase accessibility for all students and staff.
  - Elevators are safer and do not obstruct the stairway.
  - Elevators will increase the efficiency of moving items between floors, which a lift currently cannot do.

**Project Title:** Elevator Installation

SCH – 1

**Cost FY25:** \$900,000    **Potential Funding Sources:** General Fund Bond Issue

**Location:** BCIS





**Project Title:** Playground Safety

SCH – 2

**Cost FY25:** \$550,000    **Potential Funding Sources:** General Fund Reserves

**Location:** All BPS

- **Project Description:** Increase safety in the BPS playgrounds by adding rubber matting over the wood fiber. This will also prevent washout from storms.
  
- **Project Justification:** Playground matting is an essential safety feature for any playground. It helps to cushion falls and absorb impact, which can reduce the risk of serious injuries for children.
  - **Accessibility:** Matting makes the whole playground accessible by wheelchair.
  - **Maintenance:** Mats reduce the maintenance requirements of the playground and prevent erosion.



**Project Title:** Playground Safety

SCH – 2  
SCH-2

**Cost FY25:** \$550,000    **Potential Funding Sources:** General Fund Reserves

**Location:** All BPS

### Playground Matting



**Project Title:** Playground Safety

SCH – 2

**Cost FY25:** \$550,000    **Potential Funding Sources:** General Fund Reserves

**Location:** All BPS

Washout from heavy rain at BWB





**Project Title:** Paging System Upgrade

SCH – 3

**Cost FY25:** \$85,000    **Potential Funding Sources:** General Fund Bond Issue

**Location:** HYW / ECELC

- **Project Description:** Upgrade the PA System at Hyannis West Elementary School and install a new system at the Early Learning Center.
  
- **Project Justification:** The paging system at Hyannis West is at the end of its useful life.
  - **Improved communication:** A modern paging system would allow Hyannis West Elementary School and Enoch Cobb Early Learning Center to communicate more effectively with students, staff, and visitors. The existing paging system is outdated and unreliable, leading to missed announcements and confusion. A new paging system with clear sound, multiple zones, and priority messaging would ensure that everyone in the building can hear and understand important announcements.
  - **Increased safety:** A paging system is an essential school safety tool. It can alert students, staff, and visitors to emergencies such as fires, lockdowns, and severe weather events.



**Project Title:** Paging System Upgrade

SCH – 3

**Cost FY25:** \$85,000    **Potential Funding Sources:** General Fund Bond Issue

**Location:** HYW / ECELC







**Project Title:** BIS Exterior Door Replacement

SCH – 4

**Cost FY25:** \$344,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BIS

- **Project Description:** Replace all of the existing exterior doors at Barnstable Intermediate School. The project will consist of removing the existing doors with concealed vertical rod latching systems and replacing them with doors utilizing mullion latching systems.
  
- **Project Justification:** There are several reasons why it is justified to replace all exterior doors at Barnstable Intermediate School, which currently use a vertical concealed rod latching system, with new doors that use a mullion latching system:
  - **Maintenance:** The doors are nearing the end of their useful life. They are malfunctioning and challenging to repair.
  - **Security:** Vertical concealed rod latching systems are less secure than mullion latching systems. The vertical system is easier to tamper with, which could make the school more vulnerable to theft or vandalism.

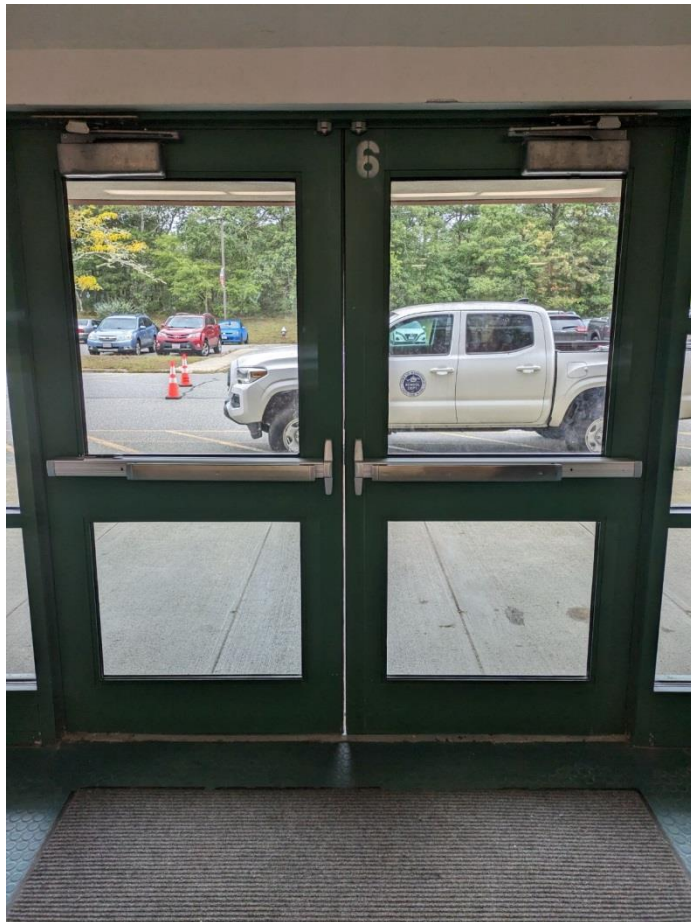
**Project Title:** BIS Exterior Door Replacement

SCH – 4

**Cost FY25:** \$344,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BIS

Concealed Vertical Rod



Mullion System





**Project Title:** Unit Ventilator Replacement / Chiller Swap

SCH – 5

**Cost FY25:** \$3,353,700    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS / BUE

- **Project Description:** This project has multiple goals. The first is to replace the aging unit ventilators at Barnstable United Elementary School with unit ventilators that have variable refrigerant flow systems, eliminating the need for the chiller. The second goal is to replace the Performing Arts Center chiller with the chiller at BUE. The third goal is to prevent valves from rusting because of poor insulation from when BUE was built.
  
- **Project Justification:** The original unit ventilators are at the end of their useful life and must be replaced. Installing new unit ventilators that provide independent heating and cooling for each space will eliminate the need for the chiller at Barnstable United Elementary.
  - The chiller can be repurposed for the High School.
  - New unit ventilators are energy-efficient.
  - Possible incentives from utilities.

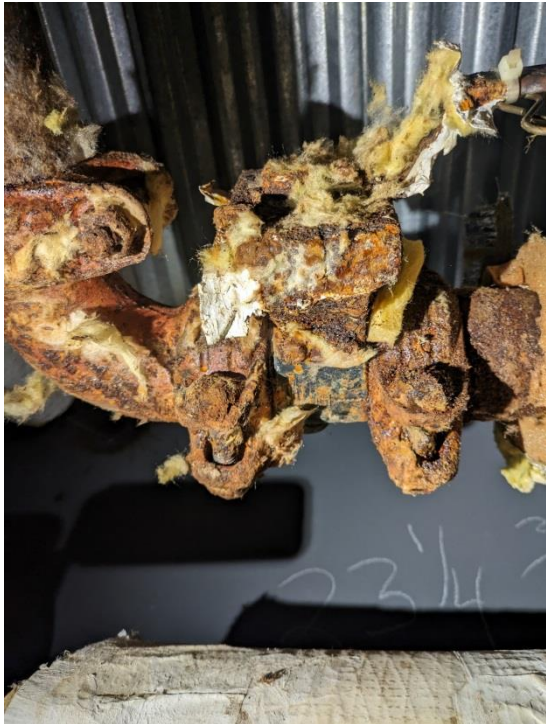
**Project Title:** Unit Ventilator Replacement / Chiller Swap

SCH – 5

**Cost FY25:** \$3,353,700    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS / BUE

Rusty Valve



Unit Ventilator



High School Chiller





**Project Title:** Auditorium RTU Replacement

SCH – 6

**Cost FY25:** \$650,000    **Potential Funding Sources:** General Fund Reserves

**Location:** WVE

- **Project Description:** Replace the existing Roof-Top Unit (RTU) that supplies cooling and heating to the West Villages Elementary School Auditorium. The unit's heat exchanger has cracked and is no longer in operation during the heating season. Part of this project will be to repair the roof around the RTU to eliminate leaks into the offices below.
  
- **Project Justification:** Due to a cracked heat exchanger, the current RTU is not operational in the heating season. This unit is original to the building (35 years). The roof has several leaks around the unit and must be replaced as well.
  - **Safety:** A cracked heat exchanger can pose a severe safety hazard. It can release harmful gases into the air, such as carbon monoxide, and it is also a fire hazard.
  - **Comfort:** A working RTU is essential for providing heat and cooling to the auditorium. Without a working RTU, the auditorium would be uncomfortable and unsafe, especially during winter.



**Project Title:** Auditorium RTU Replacement

SCH – 6

**Cost FY25:** \$650,000    **Potential Funding Sources:** General Fund Reserves

**Location:** WVE





**Project Title:** Hyannis West Parking

SCH – 7

**Cost FY25:** \$78,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW

- **Project Description:** Add 20 parking spaces to the Hyannis West Elementary School parking lot.
  
- **Project Justification:** There are several reasons why Hyannis West Elementary School needs additional parking:
  - **Safety:** Staff and visitors parking at the Star Market across the street creates a safety hazard, as they have to cross a busy street to get to the school.
  - **Convenience:** Staff and visitors should be able to park on school grounds near where they need to be. Parking at the Star Market and walking to the school is inconvenient and time-consuming.
  - **Reduce congestion:** More spaces will reduce congestion around the school.

**Project Title:** Hyannis West Parking

SCH – 7

**Cost FY25:** \$78,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW

Possible  
locations for  
the additional  
20 parking  
spaces







**Project Title:** Network Based Public Address System

SCH – 8

**Cost FY25:** \$757,700    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS

- **Project Description:** Replace Barnstable High School’s failing public address system, including the microphones, amplifiers, loudspeakers, and other associated components of the PA system.
  
- **Project Justification:** The system is failing and multiple repairs have been needed over the past year. These repairs are temporary as finding parts compatible with the existing system has become increasingly difficult. Additionally, the company will no longer support the existing system.
  - **Improved sound quality and clarity:** Network-based PA systems use digital technology to deliver high-quality audio to all zones of a school. This means that students and staff in all areas of the school will be able to hear announcements and other audio content.
  - **Increased flexibility and scalability:** Network-based PA systems can quickly expand to add new zones or speakers.
  - **Increased safety:** A paging system is an essential school safety tool. It can alert students, staff, and visitors to emergencies such as fires, lockdowns, and severe weather events.



**Project Title:** Locker Room Renovation to Teaching Spaces

SCH – 9

**Cost FY25:** \$160,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW

- **Project Description:** Convert the existing locker rooms at Hyannis West Elementary School into classroom/teaching spaces. The work will renovate the existing locker rooms into teaching spaces that better utilize the square footage of the two spaces.
  
- **Project Justification:** There are several reasons why converting the old locker rooms at Hyannis West Elementary School into teaching spaces would be a wise decision:
  - **Better space utilization:** Converting them into teaching spaces would allow the school to make better use of its existing resources and avoid having to build new classrooms.
  - **Reduced costs:** Converting locker rooms into teaching spaces is a relatively inexpensive option compared to building new classrooms.
  - **Increased curriculum flexibility:** The rooms could be used for traditional classroom instruction, small group work, or special programs such as music or art.

**Project Title:** Locker Room Renovation to Teaching Spaces

SCH – 9

**Cost FY25:** \$160,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW

### Current Locker Rooms





**Project Title:** Plumbing Fixtures Throughout K-3 Schools

SCH – 10

**Cost FY25:** \$200,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BPS K-3 Schools (Hyannis West, Centerville, Barnstable Community Innovation and Barnstable West Barnstable Schools)

- **Project Description:** Replace plumbing fixtures throughout these four K-3 Schools. These fixtures will consist of Toilets, Sinks, Floor Drains, Traps, and Backflows.
  
- **Project Justification:** Plumbing needs are becoming increasingly frequent at these schools due to the age of the buildings. It is essential to pro-actively replace dated plumbing fixtures in elementary schools for several reasons:
  - **Safety:** Old plumbing fixtures can be a safety hazard for students and staff. Leaking faucets and pipes, for example, can create a slip hazard.
  - **Reliability:** Old plumbing fixtures are more likely to break down, disrupting school operations and requiring costly repairs.
  - **Efficiency:** Newer plumbing fixtures are more efficient than older models, saving schools money on their water and energy bills.

**Project Title:** Plumbing Fixtures Throughout K-3 Schools

SCH – 10

**Cost FY25:** \$200,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BPS K-3 Schools (Hyannis West, Centerville, Barnstable Community Innovation and Barnstable West Barnstable Schools)

Hyannis West Elementary School





**Project Title:** Bathroom Renovations

SCH – 11

**Cost FY25:** \$1,110,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS

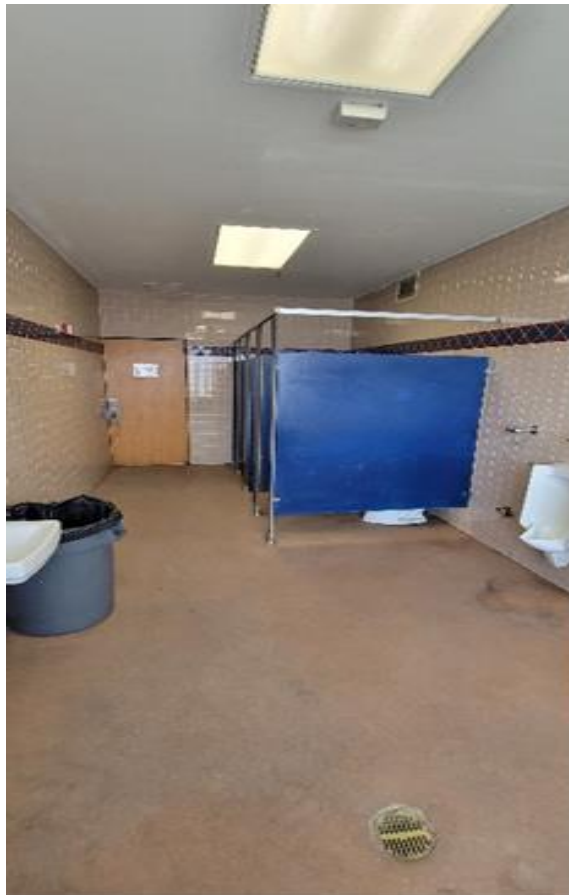
- **Project Description:** Remodel the bathrooms at Barnstable High School. This will include replacing the existing bathroom fixtures, partitions, and tiles.
  
- **Project Justification:** The bathrooms have reached the end of their useful life. This improvement will reduce the maintenance needs in the BHS bathrooms, decrease downtime, and improve the day-to-day quality of the staff and student experience at BHS.
  - **Broken fixtures:** These bathrooms are often missing or have broken fixtures, finishes are old and difficult to clean.
  - **Improve cleanliness and hygiene:** Renovated bathrooms with new fixtures and finishes will be easier to clean and maintain, which will help to improve the health and well-being of students and staff.
  - **Reduce downtime:** When fixtures are missing or broken, repairing or replacing them can take time. This can lead to downtime for students and staff, disrupting the educational process. Renovated bathrooms with new fixtures will be less likely to break down, reducing downtime and improving efficiency.

**Project Title:** Bathroom Renovations

SCH – 11

**Cost FY25:** \$1,110,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS



Barnstable High School





**Project Title:** BHS Roof Replacement Design

SCH – 12

**Cost FY25:** \$350,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS

- **Project Description:** Design and outline the repair schedule for the Barnstable High School roof.
  
- **Project Justification:** Barnstable High School's roof is over 20 years old and displaying clear signs of deterioration. Numerous repairs have been made, but the roof still leaks, leading to interior damage. Moreover, the roof's vast expanse, spanning 308,000 square feet, amplifies the complexity and cost of repairs, making the situation more pressing.
  - **Solar Panels:** The installation of solar panels on the roof has accelerated the need for repair. Seagulls nesting on the roof have been a significant source of damage.
  - **Increased Complexity:** The project is large and needs to be phased. Planning the project carefully and minimizing the impact on education is essential. This may involve working around the school calendar or using temporary classrooms.



**Project Title:** BHS Roof Replacement Design

SCH – 12

**Cost FY25:** \$350,000    **Potential Funding Sources:** General Fund Reserves

**Location:** BHS

Aerial view of Barnstable High School





**Project Title:** Library Carpet Remove and Replace

SCH – 13

**Cost FY25:** \$63,800    **Potential Funding Sources:** General Fund Reserves

**Location:** BUE

- **Project Description:** Remove the existing carpet in both BIS and BUE libraries and replace it with resilient, low-maintenance flooring.
  
- **Project Justification:** The existing carpet at both schools is stained, torn, and peeling in many locations. These carpets need to be commercially cleaned every year, which costs thousands of dollars in maintenance.
  - **Hygiene:** Carpets can harbor dust mites, allergens, and other pollutants, harming students with allergies and asthma. Resilient flooring is easier to clean and disinfect, making it a more hygienic choice for libraries.
  - **Maintenance:** Carpets require regular vacuuming and cleaning to maintain their appearance and hygiene. Resilient flooring is much easier to maintain, requiring only occasional sweeping and mopping.

**Project Title:** Library Carpet Remove and Replace

SCH – 13

**Cost FY25:** \$63,800    **Potential Funding Sources:** General Fund Reserves

**Location:** BUE

## Barnstable United Elementary School Library





**Project Title:** Bathroom Renovations

SCH – 14

**Cost FY25:** \$318,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW

- **Project Description:** Remodel the bathrooms at HYW to include new bathroom fixtures, partitions, and tile work.
  
- **Project Justification:** This improvement will reduce the maintenance needs in the HYW bathrooms, reduce downtime due to these needs, and improve the day-to-day quality of the staff and student experience at HYW.
  - **Improve cleanliness and hygiene:** Renovated bathrooms with new fixtures and finishes will be easier to clean and maintain, which will help to improve the health and well-being of students and staff.
  - **Reduce downtime:** When fixtures are missing or broken, repairing or replacing them can take time and require us to shut off the water to the entire school. This can lead to downtime for students and staff, disrupting the educational process. Renovated bathrooms with new fixtures will be less likely to break down, reducing downtime and improving efficiency.

**Project Title:** Bathroom Renovations

SCH – 14

**Cost FY25:** \$318,000    **Potential Funding Sources:** General Fund Reserves

**Location:** HYW





**Project Title:** Direct Digital Controls Upgrades HVAC

SCH – 15

**Cost FY25:** \$1,000,000    **Potential Funding Sources:** General Fund Reserves

**Location:** All BPS

- **Project Description:** Upgrade all existing pneumatic-controlled systems to direct digital controls. This will include all HVAC systems.
  
- **Project Justification:** Pneumatic controls are inefficient and require a functioning compressor and tank to operate. Air leaks in lines can lead to malfunctioning HVAC equipment.
  - **Improved energy efficiency:** DDC controls are more precise and efficient than pneumatic controls, which can lead to significant energy savings. According to the US Department of Energy, DDC controls can save an average of 15% on energy costs.
  - **Reduced maintenance costs:** DDC controls are more reliable and require less maintenance than pneumatic controls. This can lead to significant savings on maintenance and repair costs.
  - **Improved comfort:** DDC controls allow for more precise control of temperature and humidity, which can improve the comfort of students and staff.

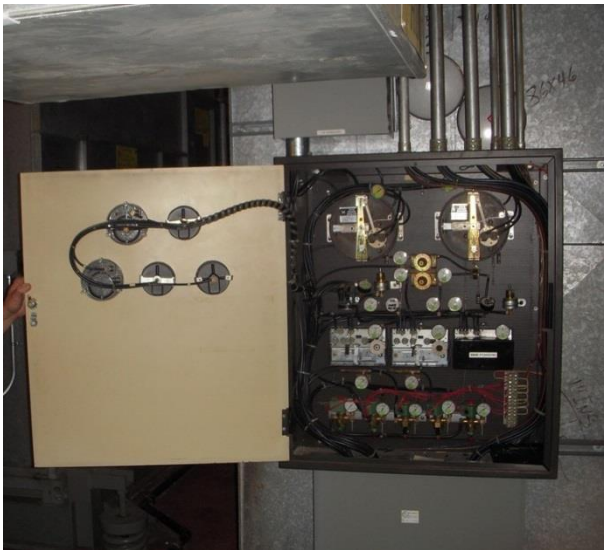
**Project Title:** Direct Digital Controls Upgrades HVAC

SCH – 15

**Cost FY25:** \$1,000,000    **Potential Funding Sources:** General Fund Reserves

**Location:** All BPS

Control Panel



Compressor and Air Tank





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