

Provisional Capital Submissions

Section 9

**Five Year Department Submissions
Section Index
FY2015 - FY2019**

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| Future Capital Project CIP-FCP | | | | | | | | | | | |
|---|---|-------------------------------|-----|--|----|--|--------------|-----|--|----|-------------------------|
| Title | Property Acquisition | | | | | | | | | | |
| Department | Office of the Town Manager/Board of Selectmen | | | | | | | | | | |
| Location | Undetermined | | | | | | | | | | |
| Estimated Project Cost | Undetermined | Alternative Funding Source | Yes | | No | | CPA Eligible | Yes | | No | |
| Project Summary | | | | | | | | | | | |
| <p>The Town has identified various parcels for potential acquisition to enhance municipal and school services, and complement existing recreation and/or open space. When parcels become available, the Town reviews the relative value of each parcel to determine whether acquisition is advisable. Some parcels may be eligible for CPA funding.</p> | | | | | | | | | | | |
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|---|---|----------------------------|-----|--------------------------|----|-------------------------------------|--------------|-----|--------------------------|----|-------------------------------------|
| Title | Police and Fire Department Expansion | | | | | | | | | | |
| Department | Police | | | | | | | | | | |
| Location | 99 School Street | | | | | | | | | | |
| Estimated Project Cost | 90,000 | Alternative Funding Source | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>Police & Fire headquarters, originally built in 1931 was reconstructed twenty five years ago (1988 – 1989). The amount of space that was originally allocated within the building for the police and fire department has not sufficiently provided for changes in personnel, adjustments in operational methods and security requirements. Among the major concerns that exist at this time are:</p> <p>Police</p> <ol style="list-style-type: none"> 1. Female locker space is not adequate to meet existing and future needs. 2. Evidence and property storage space is not sufficient. 3. Interview space and interview recording requirements must be expanded and improved. 4. Limited public meeting space 5. Separate police and fire dispatch areas (should be combined into one public safety dispatch center) 6. Holding cells do not meet standards <p>Fire</p> <ol style="list-style-type: none"> 1. Apparatus bays are too small for modern fire trucks 2. Rear maintenance garage too small to perform maintenance work. 3. Dispatch center is not accessible to the public 4. Existing office space is not sufficient for the needs of the administrative staff 5. Storage space is not sufficient. Files, plans and permits are split between two small unsecured basement spaces. 6. Hose tower is no longer necessary due to modern day equipment <p>Since last year further discussion of these issues has taken place to further evaluate the needs of both departments. Senior members of both departments have met with town personnel to obtain an estimate on the cost of a feasibility study. The scope of the study should include a review of the operational needs of both departments, a facility assessment, assessment of spatial needs within existing/ expanded facility, an alternative study for demolition and rebuilding of a new facility, considerations for phasing/swing space, and a cost comparison of addition, renovation or rebuilding.</p> <p>At this time, the project is scheduled for a feasibility study in FY2017. It is estimated that the feasibility assessment would cost \$90,000</p> | | | | | | | | | | | |

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|--|---|----------------------------|-----|--|----|---|--------------|-----|--|----|---|
| Title | Town Facilities Security System | | | | | | | | | | |
| Department | Park and Recreation, Police, Public Facilities, Public Works, IT | | | | | | | | | | |
| Location | Various Parks, Public Facilities and Buildings | | | | | | | | | | |
| Estimated Project Cost | 30,000 | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | | No | X |
| Project Summary | | | | | | | | | | | |
| <p>This is a proposal to upgrade security at town facilities and properties, including building exteriors, athletic fields, parks, and Rosemary pool. The objective is to increase security at town assets and safeguard town properties, preventing vandalism, or identifying those responsible for damage. Current town systems, within the police department, include a technical platform upon which the proposed security system should be structured.</p> <p>Development of this system is a long term project.</p> <p>Equipment needs at each facility should be assessed. The Recycling Transfer Station is proposed as a potential trial location</p> <p>The security system at Needham High School and High Rock School should be considered part of this system. Security coverage at all school properties should also be given consideration.</p> <p>In FY2013, the Police Department obtained an estimate on the installation of a security system at the RTS. The system involved the installation of cameras and all wiring along with a multi channel recorder. The system would be networkable and would allow the Town to integrate the system into their wired network. It would be programmed and configured to allow the police department or Town to access the system remotely. The estimated cost for the installation of the system at the RTS is \$30,000</p> | | | | | | | | | | | |

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|--|--|----------------------------|-----|--|----|-------------------------------------|--------------|-----|--|----|-------------------------------------|
| Title | Radio Repeater Building Replacement (Hillcrest Rd.) | | | | | | | | | | |
| Department | Fire, Police, DPW, Schools | | | | | | | | | | |
| Location | Hillcrest Rd. (at base of water tower) | | | | | | | | | | |
| Estimated Project Cost | \$230,000. | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>This future request is to replace the failing building at the base of the water tower on Hillcrest Rd. The building houses radio equipment and related support components for the radios and antennas used by the following departments: Fire, Police, DPW and Schools (including the school buses). The new building would contain all of the same with the back-up generator in a separate room for noise control purposes. Additionally, water testing and metering equipment would now be housed at this location.</p> <p>The current building, which is built with cement blocks, is deteriorating and has several water leaks both in the walls and the roof. There has also been damage to the building and contents from animals (rodents), and the steel entrance door has heavy rust and rot. We have not been able to find records of when the structure was built, but it appears it was most likely in the late 1960s or early 1970s.</p> <p>Representatives from each of the departments who use the building have met several times to discuss what is actually needed, and have met with one vendor to secure cost estimates. The estimate from the one vendor was used to develop the dollar amount in this request. As this project was not previously included in the five year capital plan, it is expected that it will not be done for several years, which would most likely have an impact on the pricing.</p> <p>We will also research the possibility of grant funding, and see what other funding programs might be available.</p> <p>It has also been determined that the new building should be larger than the existing building to allow for future additional equipment, which could possibly include private antenna and communications equipment. Private equipment may be a source of revenue for the Town. The current building size is 8'X10' and the proposed replacement building would be up to 10'X18' to allow for the added water department equipment, placing the back-up power generator in a separate room, as well as possible expansion space.</p> <p>If this building is not replaced, or significantly rebuilt, continuing damage to the communications equipment could cause a major void(s) in public safety radio signals and the ability to communicate during emergencies. There is also concern of electrical problems due to water and rodent damage to the electrical wiring in the building.</p> <p>In the meantime, it is recommended that the Public Facilities Department investigate what maintenance issues the current building needs, and take steps to have those issues completed.</p> | | | | | | | | | | | |
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|---|------------------------------------|----------------------------|-----|--|----|---|--------------|-----|--|----|---|
| Title | Pollard School Improvements | | | | | | | | | | |
| Department | School Department | | | | | | | | | | |
| Location | 200 Harris Avenue | | | | | | | | | | |
| Estimated Project Cost | TBD | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | | No | X |
| Project Summary | | | | | | | | | | | |
| <p>In 2011, a facilities assessment was conducted of the Mitchell, Hillside and Pollard Schools. This assessment identified repair projects that should be undertaken to extend the useful life of these school buildings. It also identified, in summary fashion, the need for programmatic improvements at the Pollard Middle School, for the purpose of adapting Pollard to the "21st Century Learning" environment. This environment reflects changes in education that have occurred over the past 50 years, including technology integration, project-based learning, team-teaching, multi-disciplinary collaboration and special education delivery methods. Dore & Whittier, the architects who conducted the facilities assessment, concluded that a detailed programmatic study be undertaken, in order to understand the full scope of the programmatic improvements needed and to ensure that any future renovation/improvement project be comprehensive enough to meet both the facility maintenance and programmatic needs of the school for the next several decades.</p> <p>Some of the programmatic improvements identified by Dore & Whittier included renovation and enlargement of the science and engineering classrooms, updates to the auditorium and reconfiguration of the administration area. The science classrooms are undersized from Massachusetts School Building Authority (MSBA) standards, do not have adequate prep rooms or storage spaces and include casework and plumbing fixtures that are in poor condition. The engineering classroom is a converted space that is not well-suited to delivery of the curriculum. The auditorium needs updating, including sound and lighting upgrades, in order to remain a suitable space for performing arts, guest lectures and assemblies. In addition, the administration space, which is located on the side of the building, is difficult for visitors to locate, doesn't allow school personnel to view visitors as they approach the building and is undersized by MSBA standards.</p> <p>Finally, the modular classrooms, constructed in 2002, are not designed for permanent, long-term facilities. They are constructed of inexpensive materials, in fast-production style construction techniques and are not energy efficient. A long-term solution will be required within the next ten years. (The expected lifespan for modular classrooms is 20 years.)</p> <p>This request is for funds to repair/renovate or reconstruct the Pollard Middle School to address identified needs and meet programmatic needs. It is anticipated that a Statement of Interest will be filed with the MSBA to initiate a dialog about this facility.</p> | | | | | | | | | | | |
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|---|--------------------------|----------------------------|-----|--|----|---|--------------|-----|---|----|-----------------------|
| Title | Bridge Repairs | | | | | | | | | | |
| Department | DPW - Engineering | | | | | | | | | | |
| Location | Various throughout Town | | | | | | | | | | |
| Estimated Project Cost | 1,000,000 – 5,000,000 | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | X | No | |
| Project Summary | | | | | | | | | | | |
| <p>Surrounded on three sides by the Charles River, the Town jointly maintains a number of bridges with neighboring communities. The Massachusetts Bridge Inspection Program has identified a number of bridges that have some level of deficiency and has recommended repairs. This program is essential to improve the structural and/or surface integrity of all bridges throughout Needham. Capital Project costs will include surveying, engineering evaluation, design, and repair or reconstruction. Bridges are one of the infrastructure assets whose value and depreciation are now tracked under the GASB 34 program.</p> <p><u>Cooks (Eliot) Bridge</u> – Central Ave to Newton Upper Falls -there is presently a CIP request in for design/engineering of this bridge for FY 15.</p> <p><u>Other Bridges</u> Lyon’s Bridge, Greendale Ave to Dedham Dedham Ave Bridge to Dedham Newell’s Bridge, Central Ave to Dover Fisher’s Bridge, South St to Dover Pierce’s Bridge, Charles River St. to Dover and So. Natick Kendrick Bridge to Newton</p> | | | | | | | | | | | |
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|--|--|----------------------------|-----|--|----|-------------------------------------|--------------|-----|--|----|-------------------------------------|
| Title | DPW Complex Phase II (470 Dedham Avenue) | | | | | | | | | | |
| Department | Department of Public Works | | | | | | | | | | |
| Location | 470 Dedham Ave | | | | | | | | | | |
| Estimated Project Cost | 15,083,900 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>This project has been postponed pending the Town’s Facility Master Plan update.</p> <p>The recently completed Public Services Administration Building (PSAB, 500 Dedham Ave) was occupied by the DPW until November 2011, eliminating the space problems and air quality issues experienced on the second floor of the DPW Operations Building. However, deficiencies continue to exist throughout the building internally and the DPW site externally. Ultimately, the expansion and renovation of the DPW Operations Building (470 Dedham Ave) and site, referred to as DPW Phase II, will be required to address the need for storage as well as the stormwater quality issues.</p> <p>In 2006, the DPW was made aware that municipal DPW facilities were no longer exempt from National Pollutant Discharge Elimination System (NPDES) stormwater requirements regulating transportation facilities under the Federal Highway Act. All municipal DPW facilities are now required to comply with stormwater discharge requirements (quality). In 2009, Town Meeting approved \$42,000 for engineering and design for stormwater quality improvements on a portion of the DPW site. This work has been completed, and construction for these improvements was being funded by Town meeting for FY 2014.</p> <p>In FY13 Town Meeting approved \$40,000 for a feasibility study of the proposed DPW storage garage.</p> <p>The work that was approved for FY14 under this request is for the construction of the 6 garage bays. The work addresses part of the storage space needs for DPW equipment and will provide for vehicle coverage out of the elements. The current DPW facility is over 50 years old. With modifications, it will continue to be used well into the future. The major building systems including electrical, plumbing, and HVAC are all original and are in need of replacement. The remainder of the current open vehicle storage area is proposed to be covered.</p> <p>The remaining portions of the DPW site must be addressed. The lack of vehicle and equipment storage is the primary contributor to the water quality issues. Completion of the DPW facility construction in the Phase II request will resolve these stormwater management issues. Additionally, by providing shelter from the elements, the service life of vehicles and equipment can be extended.</p> | | | | | | | | | | | |
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|--|--|----------------------------|-----|--|----|---|--------------|-----|---|----|-----------------------|
| Title | Emery Grover Roof Replacement | | | | | | | | | | |
| Department | Department of Public Facilities/Operations | | | | | | | | | | |
| Location | 1330 Highland Ave | | | | | | | | | | |
| Estimated Project Cost | 150,000 | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | X | No | |
| Project Summary | | | | | | | | | | | |
| <p>This request is to replace the existing roof at the Emery Grover Building. The existing slate roof at the Emery Grover is over 100 years old. It poses a continual maintenance problem and is way beyond the expected 75 year life span of this roof type. In the spring of 2010 leaks in this roof caused damage to flooring materials that forced the Department to reprioritize its summer asbestos abatement work and caused interruption to the operations of this building over the summer.</p> <p>A new environmentally conscious material that mimics the aesthetics of slate, but is composed of recycled rubber from tires will be used to replace this roof. This material would reduce the cost of installation by over one third and would reduce the cost of maintenance. The anticipated lifespan of this material is 50 years. If slate material is required the cost of this installation would be \$237,537.</p> <p>Replacing this roof will increase the energy efficiency of this building and will decrease leaks and the cost of repair and inconvenience to the occupants.</p> <p>This project is pending the results of the Emery Grover feasibility study.</p> | | | | | | | | | | | |
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|--|-------------------------------------|----------------------------|-----|--|----|---|--------------|-----|--|----|-------------------------|
| Title | Pollard Locker Room Retrofit | | | | | | | | | | |
| Department | Public Facilities Operations | | | | | | | | | | |
| Location | Pollard Middle School | | | | | | | | | | |
| Estimated Project Cost | | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | | No | X |
| Project Summary | | | | | | | | | | | |
| <p>This request is to retrofit the locker rooms at the Pollard Middle School. This project would include installing new lockers, replacing existing tile and bathroom fixtures, and painting.</p> <p>Retrofitting the locker rooms will make the space more functional. Many lockers are broken and there is a need for additional lockers due to larger class sizes. Tile flooring is starting to crack in places and will need replacing before becoming a safety hazard. General maintenance such as painting and replacing bathroom fixtures will also improve the current appearance.</p> | | | | | | | | | | | |
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| Title | Library RFID Conversion Project | | | | | | | | | | |
| Department | Library | | | | | | | | | | |
| Location | 1139 Highland Avenue, Needham, MA 02494 | | | | | | | | | | |
| Estimated Project Cost | 100,200 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>RFID, <u>R</u>adio <u>F</u>requency <u>I</u>dentification is a technology for identifying, checking in, and checking out library materials. RFID tags are placed on the materials and then the tags are read electronically. When items are checked in or out, the scanner/reader keeps track of the status of the materials.</p> <p>Project Cost:</p> <p>RFID tags:</p> <p style="padding-left: 20px;">Books—150,000 @ .15 each = 22,500</p> <p style="padding-left: 20px;">Media— 28,000 @ .65 each = 18,200</p> <p style="text-align: right; padding-right: 20px;">Total RFID Tag Cost: 40,700</p> <p>2 Conversion Stations @ 4,000 each: 8,000</p> <p>4 Readers for Circulation Desk @ 1,500 each: 6,000</p> <p>1 Portable Scanner 1,500</p> <p>2 Self-Check Stations @ 22,000 each 44,000</p> <p style="text-align: right; padding-right: 20px;">Total Project Cost: 100,200</p> <p>Per Year Cost that will need to be added to library budget:</p> <p>RFID tags:</p> <p style="padding-left: 20px;">Books—13,500 @ .15 each = 2,025</p> <p style="padding-left: 20px;">Media— 4,000 @ .65 each = 2,600</p> <p style="text-align: right; padding-right: 20px;">Total Yearly Cost 4,625</p> | | | | | | | | | | | |
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|---|-----------------------------|----------------------------|-----|--|----|-------------------------------------|--------------|-----|-------------------------------------|-------------------------|--|
| Title | Athletic Fields Master Plan | | | | | | | | | | |
| Department | Park and Recreation | | | | | | | | | | |
| Location | Various parks | | | | | | | | | | |
| Estimated Project Cost | \$75,000 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | <input checked="" type="checkbox"/> | No | |
| Project Summary | | | | | | | | | | | |
| <p>The Park and Recreation Commission has been working with user groups to determine how athletic fields are being used and how best to schedule the athletic fields to provide optimal use without jeopardizing the maintenance plan. Renovations have occurred at several parks, and some school sites will be improved in upcoming years. The study would help the Commission determine whether new athletic fields are needed to accommodate the need and provide feasibility studies on possible locations for new athletic fields.</p> <p>The ability for the Town to maintain current athletic facilities, along with any possible new facilities, would be included within the study.</p> | | | | | | | | | | | |
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|--|---|----------------------------|-----|--|----|-------------------------------------|--------------|-----|-------------------------------------|-------------------------|--|
| Title | Renovation of Buildings at Camp Property | | | | | | | | | | |
| Department | Park and Recreation | | | | | | | | | | |
| Location | Camp Property – adjacent to Rosemary Lake, off of Pennsylvania Avenue | | | | | | | | | | |
| Estimated Project Cost | \$250,000 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | <input checked="" type="checkbox"/> | No | |
| Project Summary | | | | | | | | | | | |
| <p>Due to the difficulty in securing summer program space, an alternate site for a program would be the Camp Property on Rosemary Lake. In order to prepare the site for use, the following projects would be needed: (a) replace 2 latrines with environmentally-friendly, accessible restroom facility; (b) update activity building interior; (c) restore electrical service, replace electrical wiring, and install lights; (d) update water service; (e) create accessibility to activity building; (f) furnish building; (g) add portable dock at lake; (h) improve landscape to maximize participant safety and accessibility, and protect environment. Efforts would be made to apply for grants or private funding to supplement Town funding.</p> <p>A pre-feasibility study has been included in the request for funding for the Rosemary trails at the camp property, and this project would be discussed with that study.</p> | | | | | | | | | | | |
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|---|---------------------|----------------------------|-----|--|----|-------------------------------------|--------------|-----|-------------------------------------|-------------------------|--|
| Title | Public Playgrounds | | | | | | | | | | |
| Department | Park and Recreation | | | | | | | | | | |
| Location | Various locations | | | | | | | | | | |
| Estimated Project Cost | \$600,000 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | <input checked="" type="checkbox"/> | No | |
| Project Summary | | | | | | | | | | | |
| <p>The Town of Needham has 19 public playground locations: Broadmeadow (2), Eliot (2), Hillside (2), Mitchell (1), Newman (3), Claxton, Cricket, DeFazio, Greene’s, Mills, Perry, Riverside, Rosemary Pool, and Walker-Gordon.</p> <p>Hillside and Mitchell have the oldest school-site playgrounds. Both schools are under consideration for renovation/construction, and the playground projects will be included in those plans.</p> <p>Broadmeadow’s Grade 1-5 and Kindergarten playgrounds were installed in 2002 and will likely need upgrades in upcoming years. Eliot’s two playgrounds were installed in 2004 and appear to be in excellent condition. Newman’s Grade 1-5 and Kindergarten playgrounds were installed in 2012 and are in excellent condition. The Preschool playground received a poured-in-place surface in 2013. Its equipment was originally purchased in 1998 and moved to the Newman site in 2004. It is in good condition, but will need some refreshing. An improvement recommended for Broadmeadow and Eliot would be the installation of poured-in-place pathways. Though the current wood fiber surfacing is considered ADA compliant, the MA Architectural Board may be creating a new ruling that will require other options for pathways.</p> <p>For the non-school playgrounds, all sites are in very good to excellent condition. The Exchange Club has “adopted” DeFazio and Claxton, adding improvements over several years. Parent Talk has “adopted” Cricket, Perry and Mills, with new playgrounds installed between 2001-2007. Riverside received new equipment in 2007 as part of the nearby Charles River Landing project. Walker-Gordon was replaced in 2013 as part of the park reconstruction project. Greene’s Field has undergone major reconstruction through CPC funding, and new playground equipment valued at \$180,000 has been donated by residents. It is likely that DeFazio and Rosemary Pool will be renovated if there are major renovations at those sites. Cricket will have ADA improvements completed when the park building is renovated.</p> | | | | | | | | | | | |
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| Title | Improvements to Memorial Park Buildings and Grounds | | | | | | | | | | |
| Department | Trustees of Memorial Park (submitted by Park and Recreation Director on their behalf) | | | | | | | | | | |
| Location | Memorial Park – 92 Rosemary Street | | | | | | | | | | |
| Estimated Project Cost | | Alternative Funding Source | Yes | <input checked="" type="checkbox"/> | No | | CPA Eligible | Yes | <input checked="" type="checkbox"/> | No | |
| Project Summary | | | | | | | | | | | |
| <p>Various improvements have been completed at Memorial Park in recent years, with the major renovation of the athletic fields being the most prominent.</p> <p>Additional projects to be completed: (a) replacement of retaining wall along Highland Avenue and within the parking lot; (b) addition of park benches, particularly in area along Highland Avenue with red maples; (c) illumination of the two flag poles with solar lighting system; and (d) creation of handicap access to second floor of the building.</p> <p>Residents and organizations have been donating improvements to the concession room, with plans to do some final projects in the upcoming year. A committee is also looking at the possibility of adding a memorial with a listing of names of all Needham residents who gave their lives during wars and conflicts, starting with the Revolutionary War. This project would also make some additional improvements to the memorial area.</p> <p>Some of the projects may be eligible for CPA funding.</p> | | | | | | | | | | | |
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| Title | Expansion of RTS Additional Recycling Area | | | | | | | | | | |
| Department | DPW - RTS | | | | | | | | | | |
| Location | Recycling and Transfer Station, 1421 Central Ave. | | | | | | | | | | |
| Estimated Project Cost | TBD | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>The "Additional Recycling Area" at the RTS is in need of a complete overhaul to make it more efficient, attractive, and allow for the collection of additional materials which currently includes: automotive fuel, books, bottles & cans with deposits, clothing or other textiles, household items, paint, appliance, automotive batteries, batteries, cell phones, computers, electronic devices, fluorescent lamps, medical sharps, mercury containing devices, monitors (CRTs), printer, fax, and copier cartridges, propane tanks, scrap metal, TV's, and Tires.</p> <p>Funds are being sought to design and expand the Additional Recycling Area, currently located to the West of the new salt shed, to allow for the orderly drop off, collection, and processing of materials for reuse and recycling.</p> <p>The proposal includes expanding the existing Additional Recycling Area approximately to the North, putting in place a block retaining wall, and purchasing additional roll-off and shipping containers. The additional space will allow the Town to be responsive to future public requests for material processing as recycling technology improves. Proposed new materials to be accepted include:</p> <ul style="list-style-type: none"> • Upholstered furniture for recycling (vendor: Conigliaro Industries, Framingham) • Mattresses for recycling (vendor: Conigliaro Industries, Framingham) • Carpeting (vendor: Conigliaro Industries, Framingham) • Styrofoam for recycling (vendor: ReFoamIt, Leominster) • Reusable building materials (vendor: Habitat for Humanity/Boston Building Materials Resource Center) • Bicycles (vendor: Bikes not Bombs) • Durable medical equipment (vendor: not sure of name) • Rigid plastic (vendor: EL Harvey or other recycling vendor) | | | | | | | | | | | |
| | | | | | | | | | | | FY2015 - FY2019 Version |

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| Future Capital Project CIP-FCP | | | | | | | | | | | |
|---|--|----------------------------|-----|--------------------------|----|-------------------------------------|--------------|-----|--------------------------|----|-------------------------------------|
| Title | Transfer Station Building Renovation and Expansion | | | | | | | | | | |
| Department | DPW - RTS | | | | | | | | | | |
| Location | Recycling and Transfer Station, 1421 Central Ave. | | | | | | | | | | |
| Estimated Project Cost | TBD | Alternative Funding Source | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>The Recycling and Transfer Station has grown organically over the years and currently includes seven separate buildings:</p> <ul style="list-style-type: none"> • Transfer station building with customer reception area, staff office, and restroom – not ADA compliant • 3-Bay garage used for surplus paint and equipment storage and Re-use-it area • Employee break trailer with storage and restroom – not ADA compliant • REX building garage with Superintendent office and restroom – not ADA compliant • Surplus paint reuse shed and hazardous waste locker • 40' trailer for storage • 12' trailer for storage <p>Some of the limitations of the current facility include:</p> <ul style="list-style-type: none"> • Supervisor's office is isolated from the day-to-day operations and staff activity, making supervision and oversight challenging. • Condition of transfer station reception area, office, and restroom is sub-par • Total area of customer reception area and office area for two staff is 13' x 15' • Plumbing in transfer station restroom occasionally freezes in the winter • No shower facilities on site for staff working in extremely dirty environment • Limited secure storage for valuable inventory such as PAYT trash bags • Employee lunch/break room is in donated second-hand trailer located in isolated area of facility <p>Looking to the future, in order to improve efficiency and oversight of operations, provide adequate working conditions, and provide secure storage, new quarters at the RTS are desperately needed. The new area would combine the functions of five separate storage buildings into one facility attached to the existing transfer station building. The new facility would include: customer service area, staff office, superintendent office, employee lunch/break room, meeting room, restroom, shower facilities, and secure storage area all in a single facility.</p> | | | | | | | | | | | |

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| Future Capital Project CIP-FCP | |
|---|---|
| Title | Transfer Station Building Renovation and Expansion |
| <p>The new facilities would most likely be a three-story addition to the existing transfer station building consisting of secure storage and shower/locker room on the ground level, customer reception and office area on the first floor, and meeting room and employee break room on the second floor.</p> <p>A FY15 CIP has been submitted for a temporary office trailer to provide adequate customer service, office, and restroom facilities and to bring the superintendent's office into the main operations area. This trailer is intended to be temporary and will be situated so as not to interfere with potential transfer station expansion.</p> | |
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| Future Capital Project CIP-FCP | | | | | | | | | | | |
|--|---|----------------------------|-----|--|----|-------------------------------------|--------------|-----|--|----|-------------------------------------|
| Title | DeFazio Park Parking Lot and Tot Lot Improvements | | | | | | | | | | |
| Department | Public Works - Sewer | | | | | | | | | | |
| Location | 380 Dedham Ave | | | | | | | | | | |
| Estimated Project Cost | \$10,000,000 | Alternative Funding Source | Yes | | No | <input checked="" type="checkbox"/> | CPA Eligible | Yes | | No | <input checked="" type="checkbox"/> |
| Project Summary | | | | | | | | | | | |
| <p>This project is to create paved parking for DeFazio Park and Tot Lot.</p> <p>These improvements will decrease pollutants entering the Reservoir and wetland and bring the Town into compliance with our Memorandum of Understanding (MOU) with the U.S. Environmental Protection Agency (EPA) and our National Pollutant Discharge Elimination System permit (NPDES).</p> <p>In the spring of 2012 the DeFazio parking lot was scarified, graded, and resurfaced with stone chips as a temporary solution. The parking lot is heavily used resulting in numerous and large depressions on the surface. During heavy rains, gravel and dirt run into the nearby reservoir which has resulted in deposits of sand and silt into nearby wetlands. The project will improve the entrance to the parking lot near the Tot Lot to improve child safety between the Tot Lot and the playing fields, and create a buffer for the wetlands. Stormwater quality features will be installed to improve stormwater before it enters into the stream and the reservoir.</p> <p>This project may be impacted by potential developments at the DeFazio complex, and its future is uncertain.</p> | | | | | | | | | | | |
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| Future Capital Project CIP-FCP | | | | | | | | | | | |
|--|---|----------------------------|-----|--|----|---|--------------|-----|--|----|---|
| Title | Sewer System Inflow & Infiltration Removal | | | | | | | | | | |
| Department | Public Works - Sewer | | | | | | | | | | |
| Location | Various | | | | | | | | | | |
| Estimated Project Cost | | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | | No | X |
| Project Summary | | | | | | | | | | | |
| <p>A study to determine which areas will be worked on was requested for FY 13 and FY 14 with results expected by 2014. Areas for Infiltration and Inflow removal design and construction will be determined by the study for the next 10 years. The Town of Needham, along with numerous other communities, is under Administrative Orders from the DEP to identify and remove Infiltration and Inflow (I/I) in existing sewer systems.</p> <p>Infiltration is defined as groundwater or storm water runoff that enters the system thru deteriorated pipe or manhole structures that by definition need to be repaired.</p> <p>Inflow is defined as clean, non-septic water, which is introduced to the system. This water is generally produced by residential sump pumps that drain basements. The inflow removal program is being presented separately from the infiltration removal program. Much of this work could address inflow to include extending or expanding the storm drain system to accept groundwater from household sump pumps. Needham's most significant problem is believed to be from these private sources. The program will initiate with an education and information campaign to inform and prepare the homeowners as to the nature of the problem. The cost impacts to the community, the legal implications, the likely solutions and the responsibilities of the homeowner and the potential enforcement actions by the Town, the MWRA, the DEP and the EPA will need to be communicated. The preliminary engineering will likely take the form of smoke testing and flooded dye testing to determine any direct or indirect interconnections between the sewer and the storm drain system. It also includes a door-to-door investigation of households to determine where violations are occurring. Typical violations include, but are not limited to, sump pumps or open clean-outs where non-sanitary flow is discharging directly to the sewer system as well as foundation drains, yard drains, roof leaders and other cross connections</p> <p><u>Cost Benefits of Program:</u></p> <ol style="list-style-type: none"> 1) Failure to do any mitigation in any of the MWRA communities will cause the overall costs for all participating communities to increase. | | | | | | | | | | | |

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| Future Capital Project CIP-FCP | |
|-----------------------------------|--|
| Title | Sewer System Inflow & Infiltration Removal |
| 2) | The failure of the Town of Needham to address it's I/I while neighboring communities reduce there's will increase the percentage of the cost to Needham. |
| 3) | When Needham decreases its I/I the same or better than other participating communities its percentage of cost will stay the same or decrease. |
| 4) | The overall cost to operate the MWRA sewer system tends to increase. The portion of the cost attributed to Needham decreases in percentage but increases in total dollars. |
| 5) | The Town must keep up with its I/I mitigation in order to avoid disproportionate increases in cost and to comply with the MassDEP's administrative order. |

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| Future Capital Project CIP-FCP | | | | | | | | | | | |
|---|---------------------------|----------------------------|-----|--|----|---|--------------|-----|--|----|---|
| Title | Irrigation Supply | | | | | | | | | | |
| Department | Public Works - Water | | | | | | | | | | |
| Location | Reservoir/ 486 Dedham Ave | | | | | | | | | | |
| Estimated Project Cost | To be determined | Alternative Funding Source | Yes | | No | X | CPA Eligible | Yes | | No | X |
| Project Summary | | | | | | | | | | | |
| <p>Funding for a feasibility study was approved at the 2013 ATM to determine if the Needham Reservoir/Dedham Avenue can be used to supply non-potable water for irrigation of the Golf Course, DeFazio Complex and Pollard fields. The study is scheduled to begin the Fall of 2013. If feasible, then design and construction funding will be requested. Construction costs cannot be determined at this time.</p> | | | | | | | | | | | |
| FY2015 - FY2019 Version | | | | | | | | | | | |