

*Town of Barnstable
Massachusetts*

***FY 2014 CAPITAL BUDGET
and
FY 2014 – FY 2018
CAPITAL IMPROVEMENTS PLAN***

***Thomas K. Lynch
Town Manager
March 21, 2013***



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
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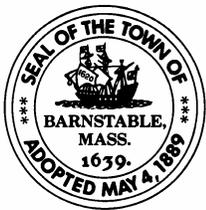
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*The Government Finance Officers Association of the United States and Canada (GFOA) has presented a Distinguished Budget Award to the Town of Barnstable for its annual budget for the fiscal year beginning July 1, 2011. The award is the highest form of recognition in governmental budgeting. In order to receive this award, a government unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device. This is the **twelfth consecutive year** that the Town of Barnstable has been presented with this prestigious award.*

The criterion on which the award for fiscal year 2013 was based is that which has been used as a guide in preparing the budget for fiscal year 2014. Therefore, it is my belief that the Capital and Operating budgets presented for fiscal year 2014 conform to program requirements, and I will submit them to GFOA to determine their eligibility for another award. My Staff, Mark Milne, Finance Director, and Robert O'Brien, Budget Director are to be congratulated for their parts in this and the previous eleven awards.

Thomas K. Lynch
Town Manager



The Town of Barnstable

Office of Town Manager

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TO: The Honorable Members of the Town Council

FROM: Thomas K. Lynch, Town Manager *tkl*

RE: FY 2014 Capital Budget and FY 2014 – FY 2018 Capital Improvements Plan

DATE: March 21, 2013

In accordance with Section 6-5, *Capital Improvements Plan*, of the Town Charter, I hereby submit the Town's FY 2014 Capital Budget and FY 2014 – FY 2018 Capital Improvements Plan for your review and action. In forwarding this document, I would be remiss in not mentioning the work that went into its development by my department heads, their staff and, in particular, the members of the Comprehensive Finance Advisory Committee who spent many hours reviewing and commenting on the numerous projects submitted.

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FY 2014 – FY 2018 CAPITAL IMPROVEMENTS PLAN

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Front Cover Photo: Solar Panels, Barnstable Water Pollution Control Facility

Back Cover Photo: Dredging Barnstable Inner Harbor (January 2013)

PART I. CAPITAL IMPROVEMENTS FY 2014 – FY 2018

A. PROJECT REQUESTS SUBMITTED

The capital projects identified by Town departments in this year's CIP process represent a total of **\$25,873,970** for FY14, and a combined total of **\$132,440,392** over a five-year period. Of the \$132 million, approximately \$63 million represents enterprise funds and \$69 million are general fund requests. The Capital Trust Fund's cash flow projections indicate that over the next five years approximately \$50 million will be available to finance projects from the fund; nearly three quarters of the project submissions received this year. This assumes approximately \$16 million will be financed with cash and \$34 million with borrowing authorizations.

A spreadsheet (Exhibit 1) is provided on pages 19-20 that lists the projects comprising the capital plan for FY14 – FY18; recommended funding sources for FY14; and project costs over the following five years. Part IV of this report includes a more detailed summary of each project.

The following is a summary of the total projects by fiscal year (all funds):

FY 2014	\$25,873,970
FY 2015	\$28,795,547
FY 2016	\$17,715,850
FY 2017	\$43,255,310
FY 2018	\$16,799,715
Five year total	\$132,440,392

B. TOWN MANAGER RECOMMENDATIONS

Having reviewed the scoring of projects by both my Senior Staff and the Comprehensive Finance Advisory Committee and the project recommendations of the latter, I am recommending that the Town Council approve a total of **\$22,805,500** in capital projects for FY 2014 as follows: **\$9,345,000** for the General Fund program and **\$13,460,500** for enterprise accounts. Funding for the general fund portion of the program consists of **\$3,316,000** in Capital Trust Fund (CTF) reserves; **\$414,000** from the Sale of Real Estate Special Revenue Fund and **\$5,615,000** in new borrowing authorizations. Funding for the enterprise fund programs consists of using **\$1,577,000** of enterprise fund reserves and **\$11,883,500** in new borrowing authorizations. The bonds issued for the enterprise fund projects are expected to be paid back with enterprise fund revenues.

The recommended projects for the Enterprise Funds are as follows:

	Enterprise Fund Reserves	Bond Issue	Total
AIRPORT:			
Test, Design, Construct Runway 6 Engineered Material Arresting System (EMAS)	\$200,000		\$200,000
Airfield Lighting Regulators & Runway Hold Position Signs		\$260,000	\$260,000
New Main Terminal Ramp & De-icing Pad		\$7,800,000	\$7,800,000
New Fuel Farm		\$810,000	\$810,000
East Ramp Sewer Extension		\$634,000	\$634,000
New Fixed Based Operations Facility	\$102,000		\$102,000
Terminal & ARFF Building Improvements	\$200,000		\$200,000
Airfield Access Control & Security Upgrades	\$90,000		\$90,000
Total Airport Enterprise Fund	\$592,000	\$9,504,000	\$10,096,000
SOLID WASTE:			
New Trash Truck	\$225,000		\$225,000
New Roll-Off Container Truck	\$190,000		\$190,000
Total Solid Waste Enterprise Fund	\$415,000		\$415,000
WATER SUPPLY:			
Pipe Replacement & Upgrade (Design & Const.)		\$1,050,000	\$1,050,000
Pump Station & Treatment Plant Upgrades	\$200,000		\$200,000
New Well Exploration Program		\$489,500	\$489,500
Air-stripper Upgrade		\$300,000	\$300,000
New Water Main Loop		\$540,000	\$540,000
Total Water Supply Enterprise Fund	\$200,000	\$2,379,500	\$2,579,500
SEWER:			
Staff Locker Room Construction	\$190,000		\$190,000
Backup Pump	\$80,000		\$80,000
Pretreatment Building & Clarifier Evaluation	\$50,000		\$50,000
Hydraulic Load Testing	\$50,000		\$50,000
Total Sewer Enterprise Fund	\$370,000		\$370,000
Total All Enterprise Funds	\$1,577,000	\$11,883,500	\$13,460,500

The recommended projects for the General Fund are as follows:

Project Name	Funding Source			
	Capital Trust Fund Reserves	Sale of Real Estate Special Revenue Fund	Bond Issue	Total
ROADWAYS & PARKING:				
Public Road Improvements	\$2,836,000	\$414,000		\$3,250,000
Drainage Study	\$50,000			\$50,000
Bumps River Bridge			\$120,000	\$120,000
Senior Center Parking Lot Design	\$35,000			\$35,000
Sidewalks & Guardrails			\$250,000	\$250,000
Total	\$2,921,000	\$414,000	\$370,000	\$3,705,000
MUNICIPAL FACILITIES:				
Marine & Environmental Affairs			\$131,000	\$131,000
Barnstable Police Station			\$168,000	\$168,000
Town Hall Interior			\$150,000	\$150,000
Highway Operations Facility Design			\$66,000	\$66,000
Structures & Grounds Operations			\$103,000	\$103,000
Osterville Community Building			\$200,000	\$200,000
West Barnstable Community Building			\$72,000	\$72,000
U.S. Custom House			\$263,000	\$263,000
Guyer Barn			\$148,000	\$148,000
46 & 50 Pearl St.			\$114,000	\$114,000
Comprehensive Beach Facility Design			\$115,000	\$115,000
Lombard Parking & Ball Field Design			\$101,000	\$101,000
Tennis Courts Improvements			\$500,000	\$500,000
Total			\$2,131,000	\$2,131,000
SCHOOL FACILITIES:				
Fire Intrusion & Communication Systems for Schools			\$200,000	\$200,000
School Network Access			\$189,000	\$189,000
Grade 4/5 Roof and Trim			\$600,000	\$600,000
School Underground Oil Tank Removal	\$100,000			\$100,000
Hot Water Circulating Pumps in Schools			\$85,000	\$85,000
School Gymnasium Bleachers			\$55,000	\$55,000
Barnstable Intermediate School Façade & Roof			\$100,000	\$100,000
A/C Units at Barnstable High School			\$450,000	\$450,000
Remove Modular Classrooms and Alternative Space Assessment	\$125,000			\$125,000
Total	\$225,000		\$1,679,000	\$1,904,000

Project Name	Funding Source			
	Capital Trust Fund Reserves	Sale of Real Estate Special Revenue Fund	Bond Issue	Total
SCHOOL EQUIPMENT:				
School Walk-in Coolers & Kitchen Equipment			\$110,000	\$110,000
School Grounds Maintenance Equipment			\$150,000	\$150,000
Total			\$260,000	\$260,000
WATERWAY IMPROVEMENTS:				
School St. Bulkhead			\$142,000	\$142,000
Millway Boat Ramp & Dock			\$133,000	\$133,000
Dredge East Bay			\$600,000	\$600,000
Total			\$875,000	\$875,000
WATER QUALITY IMPROVEMENTS:				
Hydrilla Remediation	\$45,000			\$45,000
Fanwort Remediation	\$35,000			\$35,000
Water Quality Evaluation & Sewer CAD Model			\$300,000	\$300,000
Total	\$80,000		\$300,000	\$380,000
Assessing Records Conversion	\$90,000			\$90,000
Grand Total	\$3,316,000	\$414,000	\$5,615,000	\$9,345,000

C. DESCRIPTIONS OF RECOMMENDED PROJECTS

ENTERPRISE FUND CAPITAL PROJECTS (Proposed Projects Totaling \$10,460,500)

1. \$200,000 FOR RUNWAY 6 ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS)

This request is added to the \$800,000 received as part of the FY13 Capital Improvement Program. The original Runway 6 Engineered Material Arresting System (EMAS) bed was installed in 2003 to prevent concerns related to aircraft overshoots and undershoots on runways that do not meet FAA Runway Safety Area (RSA) requirements. The installation on Runway 6 primarily consists of light weight concrete blocks with a concrete cement top board. A field strength test and feasibility study was completed on October 14, 2012 and confirmed the need to replace selected blocks not suitable for retrofit tops and to retrofit the remaining blocks. The Barnstable Municipal Airport (BMA) EMAS is a "first generation" system with a projected 10-year lifespan. The BMA was visited by the Engineered Arresting Systems Corporation (ESCO), who originally installed Runway 6 EMAS bed, in 2009 and in 2012 as part of an FAA project to investigate and determine if airports which have EMAS beds are qualified to receive this new top board. It was determined that BMA is eligible for this replacement. This new top board will extend the life of the EMAS bed and provide better adherence of paint requiring less maintenance by the Airport. An inspection has confirmed this requirement and the need to completely replace selected blocks .

Source of Funding: FAA Airport Improvement Program and/or Discretionary grant funds (90%), Mass DOT grant (7.5%); and Airport Reserves (2.5%)

2. \$260,000 FOR THE REPLACEMENT AIRFIELD LIGHTING REGULATORS AND FAA MANDATORY RUNWAY HOLD POSITION SIGNS (RHPS)

The Airfield Lighting Regulators control mandated airfield lighting and navigational equipment and have reached the end of their useful life and must be replaced; and the mandated Runway Hold Position Signs must be replaced to meet revised Federal Aviation Administration (FAA) safety standards on airports. Airfield lighting regulators control and provide the means for required lighting for aircraft to navigate into and upon the airfield and for mandated airfield operating equipment associated with aircraft operations. The runway hold position signs are required on runways and taxiways to assist the control tower and aircraft in providing safe airfield operations and for "hold short" requirements to prevent aircraft runway incursions and prevent collisions. Airfield, runway and taxiway lighting and signage is a continuous program essential to maintaining our airport systems to meet safety and FAA FAR Part 91 mandated airport certification requirements.

Source of Funding: FAA Airport Improvement Program and/or Discretionary grant funds (90%), Mass DOT grant (7.5%); and Airport Reserves (2.5%)

3. \$7,800,000 FOR THE DESIGN; AND CONSTRUCT THE MAIN TERMINAL RAMP – PHASE 2; AND CONSTRUCT THE AIRCRAFT DEICING PAD; AND THE RELOCATION AND RECONSTRUCTION OF ALL OF TAXIWAY ALPHA FROM RUNWAY 33 END TO RUNWAY 15 END; AND MISCELLANEOUS AIRFIELD IMPROVEMENTS

This project includes: (1) Phase 2 of the design and reconstruction of the proposed main terminal aircraft parking apron of approximately 220,000 square feet and is sized to handle peak period activity, primarily by air carrier aircraft, various turbo-prop aircraft, and charter jet aircraft, including a portion of taxiway Alpha to and from the aircraft parking positions, which are now constrained, and will conform to FAA design standards in Advisory Circular No. 150/5300-13; (2) the construction of a 43,000 square foot de-icing area is being provided for the de-icing of aircraft

during winter conditions; and (3) the relocation and reconstruction of Taxiway Alpha which is not in compliance with airport design criteria.

Source of Funding: FAA Airport Improvement Program and/or Discretionary grant funds (90%), Mass DOT grant (7.5%); and Airport Reserves (2.5%)

4. \$810,000 FOR THE CONSTRUCTION OF NEW FUEL FARM AT AIRPORT

This project will install three 20,000 gallon above ground jet fuel storage tanks. The existing 20,000 gallon jet fuel underground storage tank (UST) (circa 1993) does not contain enough capacity to meet the fuel sales demand. Fuel demand has increased at the airport and is projected to continue to grow. Installation of the three (3) new storage tanks will meet the growing aviation demand and enhance service to airlines and general aviation customers. More importantly, these tanks will greatly reduce potential threat of ground water pollution, which is always a paramount environmental concern. The existing 20,000 gallon jet fuel UST was converted to jet fuel service in 1992. Following construction of the new storage tanks, the existing 20,000 gallon jet fuel UST will be removed from the ground. The project has already been 100% permitted through the Cape Cod Commission Development of Regional Impact approved in January 2007.

Source of Funding: Mass DOT grant (80%); and Airport Reserves (20%)

5. \$634,000 FOR THE CONSTRUCTION OF THE EAST RAMP SEWER EXTENSION

The proposed project will provide municipal sewer service to existing buildings located on the East Ramp, and accommodate future growth in this area. The Airport will require existing facilities on the East Ramp that use an on-site septic system to connect to the Town sewer at the time of lease renewal. Installation of municipal sewer will remove these discharges from within the Zone of Contribution (Zone 2) to the Maher well field municipal drinking water wells. The proposed project will include the installation of approximately 5,700 feet of gravity fed sewer line extending to each existing structure, and along the East Ramp to accommodate future growth. Gravity fed sewer lines will discharge to a 7,000 gallon pumping station located approximately 200 feet southeast of the Hexagon hangar. Approximately 2,350 feet of 4-inch force main will connect the pumping station to existing gravity sewer, located on the southern side of the Runway 15/33 runway protection zone (Figure 1). The proposed 7,000 gallon pumping station will feature a natural gas/propane fired emergency backup generator and system alarm station. The proposed project will eliminate the need for six on-site septic systems and accommodate future growth on the East Ramp. Completion of the proposed project will allow the Airport to meet the Cape Cod Commission Regional Policy Plan (RPP) performance requirements for both Potential Public Water Supply Areas (< 1 part per million (ppm) nutrient loading), and Wellhead Protection Areas (< 5 ppm nutrient loading) for proposed future growth. The project will also meet the Marine Water Recharge Area and Water Quality Improvement Area performance standards of the RPP.

Source of Funding: Mass DOT grant (80%); and Airport Reserves (20%)

6. \$102,000 FOR THE DESIGN AIRPORT FIXED BASE OPERATIONS (FBO) BUILDING

This request is for the design portion only of a new Fixed Base Operations (FBO) facility to be manned and operated by the Airport. The new facility will either be an addition to the existing Aircraft Rescue and Firefighting Building (ARFF) or a new stand-alone building on a location to be determined on the East Ramp. The estimated size of the building/addition is approximately 2,500 square feet, single story, wood frame, asphalt shingle roof structure. The FBO facility will provide general aviation passenger lounges; pilot and crew rest areas; flight planning capability; kitchen and

catering food storage areas; bathrooms; office spaces; a general reception area and waiting area; and other services as needed. In accordance with a recently completed Environmental Impact Report approved by MEPA, and a soon to be completed Development Agreement with the Cape Cod Commission and the Town of Barnstable, the facility will also be required to connect to the Town sewer system regardless of its location. As a result of Airport Commission strategic planning, and customer requests for enhanced services for general aviation aircraft, including corporate and charter jet services, it has been determined that the Airport must provide enhanced high quality facilities and services to generate better customer relations and meet demands, better pilot and passenger services, and better business management in order to retain and increase general aviation business and revenues for the airport.

Source of Funding: Airport Enterprise Fund Reserves

7. \$200,000 FOR AIRPORT TERMINAL ENHANCEMENTS AND AAFF BUILDING ENGINEERING REVIEW

The new Airport passenger terminal is a fully operational structure, built on a limited budget, and is in need of new additional enhancements to ensure that we continue to operate a safe, comfortable and efficient facility for the benefit of our customers. During the design and construction phases of the new passenger terminal, many items in the original design were either eliminated or reduced in size in order for the project to remain within budget. This request is for the design for a new baggage carousel, a secure passenger arrival gate canopy, radiant heat at the exterior baggage canopy, a new Flight Information Display system, and a new lighting control system to reduce lighting costs. In addition, the Airport Rescue and Fire Fighting Building (ARFF) is 20 years old and has suffered from deferred maintenance and is in need of various upgrades to be determined by a complete engineering and architectural review of the building. The ARFF building structural and system review will become the basis for a new long range preventative maintenance and capital plan for the structure; however, several building systems now appear to be in jeopardy of imminent failure.

Source of Funding: FAA Airport Improvement Program and/or Discretionary grant funds (90%), Mass DOT grant (7.5%); and Airport Reserves (2.5%)

8. \$90,000 FOR INSTALLATION OF ENHANCED AIRFIELD ACCESS CONTROL AND SECURITY UPGRADES

The BMA has a security program approved by the Transportation Security Administration (TSA) under Part 1542 of 49CFR Chapter XII; and as such is required to provide approved airport security measures over designated portions of the airport including the airport perimeter; in areas where passengers are enplaned or deplaned; where baggage is sorted, loaded and unloaded; and includes any adjacent areas that are not separated by other adequate security measures. Access to all entry control points to all of the aforementioned areas must be controlled by approved access control systems of various degrees of technology, including computer based software and hardware systems, fiber optic cables, remote transmitters, special locks and surveillance systems, and the use of trained, qualified, and certified personnel. The Airport needs to upgrade such access control security measures throughout the airport to provide consistent standardized high quality systems; and to prevent breaches of security. In addition, all airport personnel are trained to monitor all aspects of airport security, including the use of the Barnstable Police Department on the airfield, and random inspections by TSA Inspectors. We are constantly upgrading systems to improve security and meet reporting requirements of the TSA. Violations of any aspect of the airport security plan are reported immediately to the TSA and may have impact on the National Airspace System.

Source of Funding: Airport Enterprise Fund Reserves

9. \$225,000 FOR REAR LOADING TRASH TRUCK

This is for the purchase of one rear loading packer truck, which services municipal buildings, beaches, docks, parking lots, etc. The existing packer truck was purchased in 2003 and is entering into its tenth year of operation. The vehicle has had a history of repetitive mechanical problems.

Source of Funding: Solid Waste Enterprise Fund Reserves

10. \$190,000 FOR A CONTAINER ROLL-OFF TRUCK

This is for the purchase of one roll-off truck to replace the one which is used to transport containers on and off site. The existing roll-off truck was purchased in 1992 and can no longer service its basic function in a safe or efficient manner.

Source of Funding: Solid Waste Enterprise Fund Reserves

11. \$190,000 FOR UPGRADING/REPLACING STAFF LOCKER-ROOM AT WPCD

The locker room serves as a changing, showering, lunch and division meeting center. Given the nature of wastewater operations, the staff needs a facility in order to clean up after work. The present locker room is a trailer put into service in the early 1980's and moved in 1997. The trailer is a conglomeration of parts and is of dubious construction. At 25 years old, it is at the end of its serviceable life. During the summer of 2010, the entire front exterior wall was replaced, including its siding, plywood, studs, insulation and interior wallboard, all of which had rotted away. The main steel I beams supporting the structure were damaged and twisted in the 1997 move and cannot be repaired. Rebuilding on the present frame cannot be done.

Source of Funding: Sewer Enterprise Fund Reserve

12. \$80,000 FOR A BACK-UP PUMP AT THE BEARSE'S WAY VACUUM PUMP STATION

The present pump station is now eight years old and is in good operating order. However, there is no back up pump. During peak flows, the two pumps, now in operation, are both forced to run together at times to maintain the necessary vacuum. If one vacuum pump should fail a spare pump that is stored on site, would need to be installed. This procedure is problematic to maintain reliable service to the customer base. The Cape Codder, Holiday Inn, Cape Crossroads Condominiums, Christmas Tree complex and Marriott Hotel are all on this system and therefore demand a reliable disposal system.

Source of Funding: Sewer Enterprise Fund Reserve

13. \$50,000 TO DESIGN COATING PROTECTION FOR WALLS AND TANKS AT THE WPCF

During the plant upgrade, the Pretreatment building walls were briefly evaluated and found to be in fair condition. Previous resurfacing is still in place but will need upgrading. The clarifier steel work and several of the clarifiers have moderate to severe rusting. 4 of the 5 clarifiers have been repainted, several twice. However, the rust is prevalent and persistent. Repainting the clarifiers has proved to be a questionable exercise, like car rust, it perseveres. This evaluation would look at alternatives to save the substantial investments in the clarifier steel work.

Source of Funding: Sewer Enterprise Fund Reserve

14. \$50,000 HYANNIS WPCF HYDRAULIC LOAD TESTING

This effort is needed to determine the infiltration capacity of the sand infiltration beds at the Hyannis WPCF. This is a requirement of the Massachusetts Executive office of Energy and Environmental Affairs (EOEEA) on the Town's Nutrient Management Planning (NMP) Project as part of that project's regulatory review. This is needed information as the Town decides the needed wastewater facilities at that site.

Source of Funding: Sewer Enterprise Fund Reserve

15. \$1,050,000 FOR WATER PIPE REPLACEMENT PROGRAM

This 30-year phased improvement program is a continuous pipe replacement and upgrade program for the Hyannis Water System as recommended by Weston & Sampson Engineering, Inc. in their April 2007 Master Plan. It is appropriate to implement a structured program to replace and upgrade the water pipes in the distribution system, some of which are over 100 years old. This program is in addition to the routine maintenance and repair program to be performed by the contracted water system operator. The proposed capital budget for this pipe replacement and upgrade program is \$1,050,000 per year; and includes a capital funded water works project manager, to oversee and implement this program in coordination with the Town roads program and other public utilities. This project would ensure the long term ability and viability of the Hyannis Water System to provide sufficient drinking water and fire readiness protection for all of our customers.

Source of Funding: Water Enterprise Fund Bond Issue

16. \$200,000 FOR WELL PUMP STATION, TREATMENT PLANT REPAIR AND UPGRADES

This capital improvement program is a continuation of the repairs and upgrades commenced in FY2007. With the exception of the Straightway well #2, all of the wells were constructed in the early to mid-1970's. The prior year's monies were used to install emergency generators, lighting, fencing and pavement improvements. Starting in FY14, the Hyannis Water Board approved the recommendation to implement a structured rehabilitation program dealing with major facility components needing upgrades or replacements. These facility components are buildings, process control equipment, safety & security and electrical equipment. Project management and oversight will be provided by a Junior Engineer, partially funded out of this program. It is appropriate to implement a structured program to repair and upgrade the wells, many of which are approximately 40 years old. This program is in addition to, and may supplement, the routine maintenance program to be performed by the contracted water system operator.

Source of Funding: Water Enterprise Fund Reserve

17. \$489,500 FOR NEW WELL EXPLORATION PROGRAM

These funds will be used to evaluate the possibility of permitting, designing and constructing two or more new wells for the Hyannis Water System. The new well exploration program is set-up in four phases. The first phase will consist of exploratory test wells, environmental notifications, evaluations and recommendations. The second phase will deal with DEP new source approvals, 8" test wells construction, 5 day pumping tests. The third phase will consist of the design and permitting of the new well buildings and appurtenances with all environmental impact reporting requirements. The fourth phase is the construction phase. Over a period of two years, one new well building, driveway and appurtenances will be constructed and tested. The project is anticipating at minimum two new wells to be constructed. Project management will be provided by a Junior Engineer, partially funded out of this program. The need for this program became more urgent

since the preliminary water quality study results became known. Three (3) of our eleven (11) wells do have water quality issues with iron and manganese that can't be addressed with our current sequestering treatment. The Mary Dunn 4 well is under the influence of surface water and can't be used. This means that 4 out of 11 wells should be replaced or treated.

Source of Funding: Water Enterprise Fund Bond Issue

18. \$300,000 FOR MAHER TREATMENT PLANT, AIR-STRIPPER UPGRADES

The air-stripper removes low levels of volatile organic compounds out of the well water. It was installed in 1990. In 2009, the Haley & Ward Engineering firm did an inspection and recommended a series of repairs and improvements with a time table. In FY2010, a portion of the improvements were accomplished and during FY2011 emergency repairs dealt with the media replacement. This capital request will accomplish the remaining outstanding items, like the distributor tray and demister, tower sump, air blower and carbon filter system. The proper maintenance and repair of this equipment is critical to insure the safety and reliability of the water treatment plant. The Maher Water Treatment Plant currently produces between 40% and 70% of the Hyannis Water System's drinking water. Without the air-stripper, we cannot run the plant.

Source of Funding: Water Enterprise Fund Bond Issue

19. \$540,000 FOR THE CONSTRUCTION OF THE WATER MAIN LOOPING BETWEEN HIGHLAND STREET AND COOK CIRCLE IN HYANNIS

This water works project will provide for looping the water main from Highland Street to Cook Circle with approximately 2,000 feet of new cement lined, ductile iron water main, gates and fire hydrants. This project was recommended by Weston & Sampson Engineering, Inc. in their April 2007 Master Plan.

Source of Funding: Water Enterprise Fund Bond Issue

GENERAL FUND CAPITAL PROJECTS (Proposed Projects Totaling \$9,345,000)

1. \$3,250,000 FOR PUBLIC ROADS MAINTENANCE

This is a continuing essential program aimed at combating the deterioration of the Town's roadway assets and provision of new storm water handling capacity. Depending on physical conditions and analysis using the Pavement Management software, the repairs may include one of several methods of repair including: full depth reconstruction, asphalt overlay, milling and paving or applying a chip seal surface layer. In addition to surface repair, improvement projects usually include installation of upgraded or new drainage systems as well as sidewalk rehabilitation wherever practicable. The condition of the Town's road system is deteriorating each year. Adequate maintenance and reconstruction where necessary is essential to preserve this major capital asset. Through the use of the Pavement Management System, we have identified a backlog of over \$30,000,000 of needed road repairs. This equates to over 100 miles of Town roads that need more than routine maintenance or repair. In addition, the Town has a backlog of approximately 250 locations where drainage improvements are required to protect public safety or prevent property damage.

Repair projects for FY 2014 are as follows:

- Reconstruction of Main Street from the south end of Ocean View Avenue to Vineyard Road in Cotuit
- Resurfacing of the entire lengths of: Althea Drive, Country Club Drive and Cypress Point in Barnstable
- Preventive maintenance chipseal of various roads town wide to maintain their service life
- Preventive maintenance crackseal of various roads town wide to maintain their service life
- Engineering Design and Permitting Services for the Road Rehabilitation of Lincoln Road in Hyannis and Osterville-West Barnstable Road from Route 28 to Race Lane in Marstons Mills
- Design services for various construction quality control measures such as roadwork inspection of road contracts, soil tests, pavement corings, concrete cylinder samples, etc.
- Construction and repair of multiple road drainage sites town wide in known problem areas

Source of Funding: Capital Trust Fund Reserves \$2,836,000 and \$414,000 from Sale of Real Estate Special Revenue Fund

2. \$50,000 FOR DRAINAGE STUDY

The study includes the area near Cummaquid Golf Course and headwaters of Maraspin Creek. This engineering study involves a review of existing GIS Mapping, field reconnaissance and measurement, analysis and report preparation detailing the storm water flowage patterns, conveyance systems and restrictions for an area of approximately 750 acres at the northeast sector of Town. Flooding issues have been identified affecting Town roadways and other properties in the area. Identification of the problems will enable funds to be spent effectively in the future to address these issues.

Source of Funding: Capital Trust Fund Reserves \$50,000

3. \$370,000 FOR ROADWAY IMPROVEMENTS

This proposal consists of the following two projects:

- a. Bumps River Bridge Repairs.** Work involves repair of various deficiencies as identified by the Massachusetts Department of Transportation in their field report dated July 9, 2010. Items to be addressed include cracks in the deck surface, open joints in the sidewalk, delamination of the concrete railings, deficient or non-existent guardrail systems and broken brace supports in the sub-structure. This request is for project construction. As with all our assets, attention to deteriorating conditions in a timely manner will save money in the long run. The Bumps River Bridge is vital to the transportation needs of the community and deficiencies have been identified by professionals at the State level. **Total cost is \$120,000.**
- b. Sidewalk Overlay and Guardrail Replacement.** Sidewalk project includes prepping the existing footprint of the sidewalk, removing grass, dirt, and edging back then spraying a tack coat of special oil for adhesion, and lastly, installing a new layer of asphalt. The sidewalk overlays include Prince Hinckley Road, Centerville, Osterville West Barnstable Road between Bumps River Rd and Lumbert Mill Road, bike path on Old Stage Road between the Service Road and Rte 149, and other sidewalks as funding allows. The sidewalks on these roads are in a state of disrepair. They have cracks and depressions where ice forms in cold weather, all leading to possible tripping or falling hazards. They are also in very heavy pedestrian areas including a school; fire station, church and a library. **Total cost is \$190,000.**

Guardrails are important to vehicle safety program and are in desperate need of replacement throughout the town. The guardrail replacements include North Street, Hyannis, Main Street Osterville, Huckins Neck Road, Centerville, and other guard rails as funding allows. Without a town wide effort to replace damaged guardrail, the public safety will be compromised and the Town may be subject to legal action if an accident occurs because of the lack of appropriate safety barriers. **Total cost is \$60,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$370,000

4. \$35,000 FOR SENIOR CENTER PARKING LOT EXPANSION DESIGN

This request is for design funds only for expanding the Senior Center's parking lot. The Senior Center has a very successful program and as such has developed a significant need for additional visitor parking. The size of the existing lot is too small to accommodate the additional parking needed at many of their events.

Source of Funding: Capital Trust Fund Reserves \$35,000

5. \$2,131,000 FOR MUNICIPAL FACILITY IMPROVEMENTS

This proposal consists of the following thirteen projects:

- a. Marine & Environmental Affairs Facility Upgrades.** The existing Marine and Environmental Affairs building was constructed over 20 years ago and is in need of renovations and upgrades to extend its useful life. This program will focus on improving life safety systems and code issues. There are currently 20 employees working out of this facility not counting seasonal staff. The Marine and Environmental Affairs facility has seen no major renovation work since its construction in 1979. An ongoing program of renovations is necessary in order to protect the Town's building assets and assure reliability in the future for this unit's operation. This project includes constructing an enclosure around the facility's generator with a separate intake and exhaust; installing a new fire alarm system; providing permanent piped electrical outlets to the center of the garage area; installing 2 hour wall and UL rated doors; providing code compliant means of egress; installing handicapped accessible rest rooms; interior painting, carpet replacement, ceiling tile and lighting. **Total cost is \$131,000.**
- b. Barnstable Police Facility Improvements.** The Police Department facility is one of the most heavily used buildings we have. Utilized 24/7, this building needs more attention and maintenance and repairs than any of our other facilities. It was constructed over 30 years ago and the original building equipment and systems are coming to the end of their useful life and are in need of upgrading. To keep this building from degrading in function or operation in the near future, these necessary improvements and changes should occur. This project includes the complete replacement and upgrade of the dedicated dispatch area AC system and ductwork; the replacement of the speaker, sound and lighting system within the cells and cell block halls; replacement of outside entry doors at the rear of building; and installation of a new sewer line tie-in to a new sewer line under design. **Total cost is \$168,000.**
- c. Town Hall Interior Improvements.** This project continues the interior work needed to maintain the existing building. The exterior restoration work has been completed via CPA funds which now allow for the interior renovation work to begin. Many of these improvements are public health, safety and code issues needing immediate attention. These improvements will increase the value and effectiveness of this highly utilized and

busy facility. This funding will allow for completion of stairwell restoration and renovation work, including architectural, mechanical, electrical, sprinkler, fire safety, space enclosure with new rated doors and hold open devices, related finishes and improvements which will bring the public stair into code compliance and repair the water damage. **Total cost is \$150,000.**

- d. **Highway Facility Improvements.** This is part of a six phase project to correct serious deficiencies in working conditions within the Department of Public Works. Two phases have been completed. Phase I, the construction of an Emergency Response Center (ERC) is completed and occupied. Phase II, DPW administration and engineering offices, is completed and occupied. This request is to fund Phase III which will involve the design and construction of Highway Division manager offices, employee lockers, showers and toilet rooms, which will allow for the removal of the remaining old temporary staff trailer facility and an increase in needed additional parking. It will also fund the re-roofing of the remaining older garage. **Total cost is \$66,000.**
- e. **Structures & Grounds Facility Upgrades.** The existing Structures & Grounds building was constructed over 25 years ago and is in need of renovations and upgrades to extend its useful life. There are currently 34 employees working out of this facility not counting seasonal staff. An ongoing program of renovations is necessary in order to protect the investments the Town has made in its capital assets. Many improvements identified are life safety and code compliance issues. This request is to fund the installation of a roofing membrane over the existing roof system and replace the asphalt shingle roof on the pole barn. **Total cost is \$103,000.**
- f. **Osterville Community Building Improvements.** The Osterville Community Center building is a facility that is used by Recreation Division programs, with its adjoining playground and ball field, and is used by our residents and other groups. This facility is in need of renovation in order to maintain this town asset. Funding the improvements would stabilize the building as it is subject to significant water intrusion through the exterior walls. Given the heavy use of this facility the interior needs a significant amount of upkeep and maintenance. Our intention is to bring the building up to standard for safe use by all the citizenry. The exterior of the building is in need complete exterior waterproofing, painting, caulking of expansion joints and replacement of doors. The interior needs selective repairs, improvements and finish upgrades. This project also includes funds for analyzing the improvements needed for the entire complex including the building and adjoining recreational fields and courts. **Total cost is \$200,000.**
- g. **West Barnstable Community Building Interior Improvements.** This request is for interior hallway painting, ADA toilet renovations, exterior railing replacement, hallway floor replacement and new window blinds. In the past four years, the West Barnstable Community Center building has seen an increase in its utilization and public interest. The residents have been attracted to this facility and continued repairs and improvements are requested. These interior renovations continue to bring this Town asset back to a well maintained and useful public facility. The hallway floor is the last floor to be taken care of with both the main rooms being completed. The ADA toilet renovations will allow for ADA access by users of the ball field and playground. **Total cost is \$72,000.**
- h. **U.S. Custom House Improvements.** Erected in 1856 the building has been patched, repaired and painted but heavier renovations are now necessary. Masonry and exterior metal deterioration continues to allow moisture penetration into the structure. This project would fund needed masonry, cast iron & exterior door repairs of the building. **Total cost is \$263,000.**

- i. **Guyer Barn Improvements.** As part of the continuing arts program in the Town of Barnstable, the Guyer Barn is utilized for artist's studios and gallery space. The building is currently seasonal in use. The Town would like to extend the buildings usefulness by upgrading mechanical systems and insulating the building. This project would fund the needed plumbing, electrical, HVAC, and interior improvements to the historic barn. As part of the project an exterior display area is proposed. **Total cost is \$148,000.**

- j. **46 and 50 Pearl St. Building Improvements.** As part of the continuing arts program in the Town of Barnstable, these buildings are utilized for artist studios and gallery spaces and artist housing. This project would fund needed exterior and interior improvements to the main buildings and accessory structures. 46 Pearl St. improvements include: spot repair of existing roof shingles, limited exterior trim replacement, chimney pointing, basement moisture resolution, electrical and plumbing improvements and a heating system upgrade. 50 Pearl St. includes: window restoration, exterior trim, basement moisture resolution, electric modifications and pottery shed water, heating and plumbing. **Total cost is \$114,000.**

- k. **Beach Facility Planning and Design.** Our beach facilities are one of our most important structural assets in town. Attractive, well maintained and functional facilities add to the quality of life for our residents and visitors and enhance our local economy. This project would fund a comprehensive beach house planning effort and the preliminary design for renovating/replacing the Craigville beach house. This is a continuation of our beach house renovation program that will update the interior and exterior of the facilities and keep them fully operational. The buildings have been patched, repaired and painted but are now in need of more substantial long-term renovations. This request does not include any funds for construction. Construction cost estimates will be one product of the comprehensive planning process and future capital improvement plans will include requests for construction funds. **Total cost is \$115,000.**

- l. **Design Lombard Parking and Field Improvements.** These funds would provide for the design of an expanded parking lot with bituminous paving, storm water management; roadway to the Old Selectmen's Building; site lighting and landscaping; new bleachers, renovated press box and baseball field. The access driveway should be widened to improve sightlines onto busy Route 149 and ADA parking located adjacent to the ADA ramp into the building and other relative site improvements. The parking lot is too small to handle the regular use of the WCB and ball field. Additional storm water control for the expanded lot is required. With the use this facility gets, site lighting (dark sky fixtures) for the safety of visitors within the parking area is needed while keeping the light from offending the neighbors. The existing old and rusted bleachers need to be relocated and be replaced. The press box is termite and carpenter ant ridden and has become a safety issue because of its decay and deteriorating electrical system. It must be torn down and rebuilt with the electrical capability to power up proper field lighting. **Total cost is \$101,000.**

- m. **Tennis Court Reconstruction.** This request is for the reconstruction of six tennis courts; two located in Osterville, two in Cotuit and two at the BWB Elementary School. The Osterville and Cotuit courts are used often by the general public and the Recreation Division for their youth tennis program. The BWB courts are not often used by the general public or the Recreation Division due to their current poor condition. The courts have ruts and cracks throughout the surface that presents difficulty in playing but more importantly the facilities become a liability for the Town of Barnstable. **Total cost is \$500,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$2,131,000

\$380,000 for Water Quality Improvements

This proposal consists of the following three projects:

- n. Hydrilla Control in Long Pond (Centerville) and Mystic Lake (Marstons Mills).** This is a continuing effort to control the invasive hydrilla. Hydrilla is capable of causing devastating impacts to freshwater ponds, due to its rapid growth rate. It can spread from pond to pond. The Town and MA DCR are partnering on this control project to help Long Pond and to reduce the chance of hydrilla spreading to other ponds in Barnstable. As a result, hydrilla has been drastically reduced. A smaller-scale hydrilla infestation was discovered in Mystic Lake in 2010. With MA DCR and Indian Ponds Assoc. assistance, the plants have been hand-pulled and the areas covered in opaque plastic screens. Halting the spread of the hydrilla in Mystic Lake has proven difficult. More extensive suction harvesting by divers will be required in FY2014. Our efforts have resulted in a drastic decline of hydrilla in Long Pond and the slowing of the expansion of hydrilla Mystic Lake. In both cases, our efforts have discouraged its spread to other ponds. **Total cost is \$45,000.**
- o. Fanwort Control in Wequaquet Lake.** Fanwort is very invasive, and without control will spread throughout the lake, impacting recreational use. This project consists of Sonar treatment at suitable hot spots. Our effort in 2012 was limited to suction harvesting, due to endangered plant habitat. **Total cost is \$35,000.**
- p. Quantitative Water Quality Evaluations and Sewer CAD Model.** This effort is envisioned to integrate and supplement water quality monitoring data to address issues related to potential contaminants of emerging concern (CEC's), nitrogen, and pathogens in the Towns' groundwater system and public water supplies. This project continues groundwater evaluations initiated in the 1990's; and will integrate the information into the Town's ongoing Nutrient Management Planning Project and Comprehensive Wastewater Management Planning Project. This is a requirement of the Cape Cod Commission as part of a 2007 approval of the Wastewater Facilities Plan as well as a Cape Cod Commission recommendation as part of a 2012 regulatory review (MEPA) on the Town's ongoing Nutrient Management Planning Project and Comprehensive Wastewater Management Planning (CWMP) Project. These water quality evaluations are needed to understand the issues of contaminants of emerging concern in the groundwater system and potentially in the Town's drinking water system. This project also includes an effort to extend an existing Sewer CAD computer model of the downtown portion of the collection system which will include the complete collection system. This is a requirement of the Massachusetts Executive Office of Energy and Environmental affairs (EOEEA) on the Town's Nutrient Management Planning (NMP) Project as part of that project's regulatory review. This is needed information as the Town decides the best way to connect additional users to the system to improve water quality problems in Town and lower unit costs of the WPCF as more users connect. **Total cost is \$300,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$300,000 and Capital Trust Fund reserves of \$80,000.

6. \$875,000 For Waterway Improvements

This proposal consists of the following three projects:

- a. Hyannis Harbor Bulkhead - School Street.** This project consists of construction of a new steel bulkhead and associated rails and drainage. The area of steel bulkhead under consideration is showing signs of distress with flaking of the steel sheets and actual penetration of the steel where old drainage ways have eroded the backfill behind the steel.

In addition, surface collapse has occurred requiring Highway Division staff to do repair work immediately above the bulkhead. Lack of corrective action will result in a continued deterioration of the bulkhead, potentially resulting in a future collapse with extreme costs. **Total cost is \$142,000.**

- b. Millway Boat Ramp and Dock.** The Millway boat ramp and dock is extensively used and as such, significantly deteriorated and requires replacement. Currently several piles are severely decayed, the guard rail is not secure and many planks are in a deteriorated condition. The structure has fulfilled its useful life expectancy. This project includes the replacement of piles, rails and decking as well as the substructure and bracing. **Total cost is \$133,000.**
- c. Dredge East Bay.** This project request has two components. The first component requests funding for the dredging, construction and related costs of the East Bay entrance channel (new project); the second component requests additional funds needed to dredge the stretch from the East Bay boat ramp to the existing channel. The East Bay entrance channel is suffering from severe shoaling. It is become more difficult to navigate the channel during mid to low water conditions. The water quality in East Bay and the Centerville River depends on good water inter-change with Nantucket Sound. In addition, the channel from the bay to the boat ramp is currently being permitted and has been funded to dredge so this is the appropriate time to complete the dredging of the East Bay. This corrective work continues to be a high priority to keep navigational water ways accessible. **Total cost is \$600,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$875,000

7. \$1,904,000 For School Facility Improvements

This proposal consists of the following nine projects:

- a. Fire, Intrusion & Communication System Upgrades.** This is part of a multi-year plan to replace the existing Simplex system. The current system is obsolete, (panel, smokes, heats, pull, horn strobes, PA speakers, etc.) This cost estimate considers complete parallel installation of a new system. Upgrades to existing system using Simplex hardware and existing wiring could reduce cost estimate by 50%. Due to the size and complexity of this project, we are recommending performing the work in four (4) phases over a period of 4 years. We are consistently experiencing significant faults and issues with the existing fire, intrusion, and communication system(s). Some areas of the building do not have sufficient audible/visual coverage. Due to the proprietary nature of the existing system, maintenance of the system has presented a challenge for private contractors (past and present). The Hyannis Fire Department has strongly recommended upgrades and/or replacement with concerns for reliability and compliance to standards. **Total cost is \$200,000.**
- b. Network Infrastructure Installation.** This is part of a three year plan that will allow all of the Main Distribution Frame (MDF) closets and Intermediate Distribution Frame (IDF) closets in eight schools to be upgraded with switches that can handle bandwidth speeds up to 10 Gigabit. In addition, this project will also fund the construction of a managed wireless network in the district to support the demand for increases connectivity of mobile device and computers. The Town of Barnstable will complete the construction on the Barnstable Fiber Optic Network in FY13. This will connect every municipal and school building with fiber optic cable and provide one high end switch in each of the main closets for each of the school buildings; this capital improvement project requests the purchase of additional switches that the town project will not fund. Once we connect our buildings, we must allow

for those speeds and connections to flow internally across schools and classrooms to the end user. **Total cost is \$189,000.**

- c. **High School Library Air Conditioning Unit Replacement.** This project will replace three (3) existing Nesbitt HVAC units. These units provide all HVAC service to the BHS Library, are over 40 years old, and are at the end of their useful life. The compressor equipment in all units is failing and spring/summer/fall conditions in the space are becoming uncomfortable. **Total cost is \$450,000.**
- d. **Heat and Hot Water Circulating Pump Replacement at West Villages.** This project will replace the current hot water circulating pump sets and reconfigure the pump station for more efficient flow and use of space. The current pump set is obsolete; one pump has failed and is beyond repair and parts are not available. The entire pump set needs replacement. Continual failure of pumps and dependency on remaining capacity creates the risk for a major failure and the loss of flow with a loss of heating in entire building. **Total cost is \$85,000.**
- e. **Gym Bleachers Upgrades.** This project will provide for the modification and upgrades to gym bleachers at Barnstable High School and the United 4/5 Elementary School. BHS improvements include upgrades to mechanisms used for the extension, retraction, and locking of bleachers and safety upgrades for railings and safety barriers. The United 4/5 bleacher improvements include upgrades to extension/retraction mechanisms, safety barriers and the replacement of undersized drive motors used to open and close units. The bleachers at both locations require upgrades for state/federal mandated safety compliance, operational modifications and preventative maintenance. Failure to perform these measures will result in both inoperable units and a safety liability. **Total cost is \$55,000.**
- f. **United 4/5 Elementary Roofing and Trim Replacement.** This project will replace the failing roof system and associated trim at the 4/5 school and school's waste water treatment facility. Existing roof and trim are rapidly deteriorating and in need of replacement. During the "Hurricane Sandy" storm we lost many shingles. It is now very likely that we will continue to loose shingles at a higher than usual rate increasing the likelihood for interior leaks. **Total cost is \$600,000.**
- g. **Design Barnstable Intermediate School Façade & Roof Improvements.** This project includes funds for design only. A request for the construction cost estimate of approximately \$4 - \$5 million is anticipated in the next fiscal year. The extensive exterior repairs needed have been identified in an exterior evaluation study performed by Gale Associates in December 2009. If allowed to go unchecked and unrepaired, the building envelope will continue to deteriorate, allow leakage and create the opportunity for water damage and the potential health and environmental quality issues. **Total cost is \$100,000.**
- h. **Removal of Modular Classrooms and Alternative Space Assessment.** This project includes the removal of all remaining modular classrooms in the district and the assessment of alternative space. The existing modulares are all greater than 20 years old and have sustained water damage and are becoming unsuitable for occupancy. The alternative space assessment will fund a study for a permanent modular facility for an early childhood center. **Total cost is \$125,000.**
- i. **Removal of Underground Storage Tanks at HY West and Centerville.** This project includes funds for the removal and disposal of 1-500 gallon and 2-10,000 gallon underground storage tanks. The request includes services of for a licensed UST operator for removal and compliance. Both schools have been converted to natural gas and the tanks need to be removed. **Total cost is \$100,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$1,679,000 and Capital Trust fund reserves of \$225,000.

8. \$260,000 For School Equipment Replacement

This proposal consists of the following two projects:

- a. Walk-in Coolers and Kitchen Equipment.** This project will replace and upgrade existing walk-in cooler systems at BHS, HYW, and Centerville elementary school. All units will require new boxes and mechanicals. The existing units are poorly insulated and cooling systems are water cooled and inefficient. We have been experiencing numerous failures with existing systems which have resulted in the loss of food. Replacement with new and more efficient equipment will reduce food loss and energy consumption. The kitchen equipment replacement is part a multi-year effort to perform a campus wide replacement and upgrade of kitchen equipment. The existing equipment in most schools is nearing their 20 year end of service life. Additionally, menu requirements are changing, necessitating the need for updated equipment sets. **Total cost is \$110,000.**
- b. Grounds Equipment Upgrades.** This request is for facilities equipment required to maintain and service Barnstable Public School facilities including a mower, a tractor, an aerator and a broadcast spreader. The existing mower is 14 years old and the tractor and attachments are needed for routine field maintenance. **Total cost is \$150,000.**

Source of Funding: Capital Trust Fund borrowing authorization of \$260,000.

9. \$90,000 for Assessing Records Conversion

This project includes funds for the conversion of current form of permanent historical assessing records dating back to 1861 from microfiche cards and 35mm film to General Code laserfiche format to conform with State law on permanent record keeping. The assessing operations must stay in compliance with State law regarding accessibility of permanently kept historical valuation records. Current microfiche records require viewing & printing machine combinations that are obsolete and have been broken for over a year. Repair parts are no longer available and we are unable to access the records for printing at all in the current format. Conversion to laserfiche would satisfy the state's permanent record retention requirement and greatly improve the time to search & produce taxpayer requested documents, as required by law. The current data storage medium of 233 rolls of 35 mm film is also degrading and deteriorating to the point of making the records inaccessible and/or unreadable. **Total cost is \$90,000**

Source of Funding: Capital Trust Fund reserves of \$90,000

D EXHIBIT 1

COMPLETE LISTING OF INDIVIDUAL ENTERPRISE FUND CAPITAL IMPROVEMENT PROJECTS SUBMITTED BY DEPARTMENTS

PROJECT NUMBER	DEPT PRIORITY	DEPT	DIV	ACTION YR	PROJECT TITLE	FUNDING					FIVE YEAR COSTS					PROJECT TOTALS 2014-2018	
						General Fund			Enterprise Fund		2014	2015	2016	2017	2018		
						Cash	Borrow	Grant	Combination GF Grant, CPA CPC, BETMNTS	Surplus/ Reserve							Borrow
ENTERPRISE FUND PROJECTS																	
AIR 14	1	Airport	AP	14	Additional Funding Retrofit/Reconstruct Runway 6/24 EMAS Pad						200,000						200,000
AIR 14	2	Airport	AP	14	Replace Airfield Lighting Regulators & FAA Mandatory Runway Hold Position Signs						260,000						260,000
AIR 14	3	Airport	AP	14	Construct Main Terminal Ramp (Phase2), Construct 43,000 sq/ft De-icing area & Relocate Taxiway A						7,800,000						7,800,000
AIR 14	4	Airport	AP	14	Construct New Fuel Farm (3-20,000 Gal above Ground Fuel Storage Tanks)							810,000					810,000
AIR 14	5	Airport	AP	14	Construct East Ramp Sewer Extension (Associated Sewer Lines & 7,000 gal Pumping Station)							634,000					634,000
AIR 14	6	Airport	AP	14	Airport Fixed Base Operations (FBO) Building -Permitting & Design Only							102,000	1,205,000				1,307,000
AIR 14	7	Airport	AP	14	Airport Terminal Enhancements & Airport Rescue/Firefighting Building Engineering Review						200,000						200,000
AIR 14	8	Airport	AP	14	Install Enhanced Airfield Access Control & Security Upgrades								90,000				90,000
AIR 14	9	Airport	AP	15	Design & Replace East Ramp T-Hangar Roof								75,000				75,000
AIR 14	10	Airport	AP	15	FAA/FAR PART150 Noise Exposure re Map Update								80,000				80,000
AIR 14	11	Airport	AP	15	Design & Construct New T-Hangar								650,000				650,000
AIR 14	12	Airport	AP	16	Design & Replace Airfield Vault 100kw Emergency Generator & Remove Underground Fuel Tank								60,000				60,000
AIR 14	13	Airport	AP	16	Replace Snow Removal Equipment & Aircraft Rescue and Fire Fighting Equipment									730,000			730,000
AIR 14	14	Airport	AP	17	Runway 15-33 & Taxiway Echo Major Reconstruction										5,000,000		5,000,000
AIR 14	15	Airport	AP	17	Design and Reconstruct Taxiway Charlie										2,500,000		2,500,000
AIR 14	16	Airport	AP	16/18	Permit, Design, Reconstruct East Ramp & Taxiways Bravo and Delta								600,000			4,000,000	4,600,000
AIR 14	17	Airport	AP	17	Runway 6-24 major Reconstruction										5,000,000		5,000,000
AIR 14	18	Airport	AP	17	Land Acquisition Runway 33 Safety Area/Protection Zone										2,500,000		2,500,000
AIR 14	19	Airport	AP	18	Design & Construct New Extended and Relocated Taxiways Bravo & Bravo One											3,500,000	3,500,000
AIR 14	20	Airport	AP	18	Airport FAA Master Plan & Utilities GIS Survey											800,000	800,000
TOTAL AIRPORT																	
CS 14	1	Community Services	HYCC	15/16	Hyannis Youth & Community Center - Mechanical Upgrades							8,460,000	1,636,000				10,096,000
TOTAL COMMUNITY SERVICES HYANNIS YOUTH AND COMMUNITY CENTER																	
PW 14	1	Public Works	SW	14	Rear Loader Trash Truck					225,000							225,000
PW 14	2	Public Works	SW	14	Container Roll-Off Truck					190,000							190,000
TOTAL PUBLIC WORKS SOLID WASTE																	
PW 14	1	Public Works	WS	14	Pipe Replacement & Upgrade Program						1,050,000						1,050,000
PW 14	2	Public Works	WS	14	Wells Pump Station & Treatment Plant Repair and Upgrade					200,000							200,000
PW 14	3	Public Works	WS	14	New Well Exploration Program					489,500							489,500
PW 14	4	Public Works	WS	14	Maher Treatment Plant Air-stripper Upgrade					300,000							300,000
PW 14	5	Public Works	WS	14	Construction Water Main Looping between Highland Street and Cook Circle					540,000							540,000
TOTAL PUBLIC WORKS WATER SUPPLY																	
PW 14	1	Public Works	WPC	14	Upgrade/Replace Staff Locker Room					200,000							200,000
PW 14	2	Public Works	WPC	14	Bearse's Way Pump Station (Backup Pump)					80,000							80,000
PW 14	3	Public Works	WPC	14/15	Pretreatment Building Evaluate and Paint Concrete Walls & Tanks - FY14 Design Only					50,000							50,000
PW 14	4	Public Works	WPC	14	Evaluate Infiltration Capacity of Sand Infiltration Beds					50,000							50,000
PW 14	5	Public Works	WPC	15-17	Septage Building Capacity								100,000				100,000
PW 14	6	Public Works	WPC	15&17	Plant Upgrading to Control Total Organic Carbon & Total Nitrogen Effluent Limit								800,000				800,000
TOTAL PUBLIC WORKS WASTE WATER																	
TOTAL ENTERPRISE																	
						985,000	2,379,500	8,460,000	1,636,000	-	13,460,500	5,057,750	3,689,250	31,768,750	9,601,495	63,577,745	

D EXHIBIT 2

COMPLETE LISTING OF INDIVIDUAL GENERAL FUND CAPITAL IMPROVEMENT PROJECTS SUBMITTED BY DEPARMENTS (Projects Not Combined for Purposes of Bonding)

PROJECT NUMBER	DEPT PRIORITY	DEPT	DIV	ACTION YR	PROJECT TITLE	FUNDING					FIVE YEAR COSTS					PROJECT TOTALS 2014-2018	
						General Fund			Enterprise Fund		2014	2015	2016	2017	2018		
						Cash	Borrow (Bond)	Grant	Combination GF Grant, CPA CPC, BETMNTS	Surplus/ Reserve							Borrow
GENERAL FUND PROJECTS																	
AS 14	1	Admin Serv	FI	14	Conversion Microfiche Cards to General Code Laserfiche Format in Assessing Office	90,000						90,000				90,000	
AS 14	1	Admin Serv	IS	15/16	Arial Flyover & Mapping								100,000	108,000		208,000	
AS 14	2	Admin Serv	IS	16	Summer Flyover of Waterways									86,500		86,500	
TOTAL ADMINISTRATIVE SERVICES - GENERAL FUND						90,000						90,000	100,000	194,500		384,500	
CS 14	1	Cmty Services	REC	14	Beach House Construction/Renovations (Craigville Design FY 14)		115,000					115,000	345,765	3,046,440	124,000	1,533,800	5,165,005
CS 14	2	Cmty Services	SS	14	Senior Center Parking Lot Expansion	35,000						35,000	244,000				279,000
CS 14	3	Cmty Services	MEA	14	Dredge East Bay Entrance Channel & East Bay Channel to Boat Ramp		600,000					600,000					600,000
CS 14	4	Cmty Services	MEA	14	Mill Way Boat Ramp & Dock Replacement		133,000					133,000					133,000
CS 14	5	Cmty Services	REC	14	Osterville Tennis Courts Reconstruct		185,000					185,000					185,000
CS 14	6	Cmty Services	REC	14	Cotuit Tennis Courts Reconstruct		178,000					178,000					178,000
CS 14	7	Cmty Services	REC	14	West Barnstable Tennis Courts Reconstruct		190,970					190,970					190,970
CS 14	8	Cmty Services	MEA	14	Blish Point Sand Management Design & Permitting	160,000						160,000					160,000
CS 14	9	Cmty Services	REC	14	Osterville Community Building Interior & Exterior		200,000					200,000					200,000
CS 14	10	Cmty Services	MEA	14	MEA Facility Improvements		131,000					131,000	57,600	203,600			392,200
CS 14	11	Cmty Services	REC	14	Lombard Field Improvements - Design Only (Construction FY 15/16/17)		101,000					101,000	454,657	92,000	250,000		897,657
CS 14	12	Cmty Services	MEA	14	Hyannisport Breakwater Repairs Design Only (Construction FY16 @ \$1.4mil)	75,000						75,000		1,400,000			1,475,000
CS 14	13	Cmty Services	MEA	14	MEA Facility Addition Design Only (Construction FY15 @ \$653K)	110,000						110,000	653,000				763,000
CS 14	14	Cmty Services	REC	14	West Barnstable Community Building Interior Improvements		72,000					72,000					72,000
CS 14	15	Cmty Services	REC	15	Centerville Community Building Improvements (Additional Improvements FY17 & 18)								170,000		211,500	226,200	607,700
CS 14	16	Cmty Services	MEA	14	Bismore Park Phase II Site Improvements Design Only (Construction FY15 @ \$590K)	65,000						65,000	590,000				655,000
TOTAL COMMUNITY SERVICES - GENERAL FUND						445,000	1,905,970					2,350,970	2,515,022	4,742,040	585,500	1,760,000	11,953,532
POL 14	1	POLICE	POL	14	Barnstable Police Department Facility Improvments		168,000					168,000					168,000
TOTAL POLICE - GENERAL FUND							168,000					168,000					168,000
PW 14	1	Public Works	PW	14	Public Roads Maintenance	3,250,000						3,250,000	3,250,000	3,250,000	3,250,000	3,250,000	16,250,000
PW 14	2	Public Works	PW	14	West Bay Bridge Repairs - Design & Construct Short Term Architectural & Structural Repairs		569,000					569,000	1,823,000				2,392,000
PW 14	3	Public Works	PW	14	School Street Hyannis Bulkhead Repair		142,000					142,000					142,000
PW 14	4	Public Works	PW	14	Bumps River Bridge Repair - Deck Surface Cracks, Railings & Sub-structure Brace Supports		120,000					120,000					120,000
PW 14	5	Public Works	PW	14	Structures & Grounds Facility Upgrades - Replace Roofing over Offices & Pole Barn Bldg		103,000					103,000	84,880	86,434	64,810	198,220	537,344
PW 14	6	Public Works	PW	14	Town Hall Interior Improvements - Phase 1B Design, Stairwells, Corridors, Security, etc		150,000					150,000	636,000	1,000,000	1,000,000		2,786,000
PW 14	7	Public Works	PW	14	School Administration Bldg - Phase 1 Design Only - Mechanical and Electrical Improvements		333,000					333,000	1,292,258	1,351,900			2,977,158
PW 14	8	Public Works	PW	14	Signal Upgrade - Design Only 3 Intersections FY14		250,000					250,000	250,000	250,000	250,000	250,000	1,250,000
PW 14	9	Public Works	PW	14	Sidewalk Overlay and Guard Rail Replacement		250,000					250,000	150,000	150,000	150,000	150,000	850,000
PW 14	10	Public Works	PW	14	Paine Black House Improvements - Septic System & Bldg Stabilization & Repair	70,000						70,000					70,000
PW 14	11	Public Works	PW	14	Guyer Barn Improvements - Plumbing, Electrical, HVAC and Interior Improvements		148,000					148,000					148,000
PW 14	12	Public Works	PW	14	Trayser Museum Repairs Phase 1 Brick Repair & Design Services for Repairs		263,000					263,000	488,000				751,000
PW 14	13	Public Works	PW	14	DPW Highway Bldgs - Phase III - Employee Locker, Shower and Toilet Facilities & Re-roof Garage		66,000					66,000	615,600	743,400	4,496,250	500,000	6,421,250
PW 14	14	Public Works	PW	14	Barnstable Drainage Study - Area including Cummaquid Golf Course & Maraspin Creek Headwaters	50,000						50,000					50,000
PW 14	15	Public Works	PW	14	Moswood Cemetery Bldg - Addition to provide Bathroom & Employee Locker Room Area		302,000					302,000					302,000
PW 14	16	Public Works	PW	14	46 & 50 Pearl Street Bldgs - Interior & Exterior Improvements		114,000					114,000					114,000
PW 14	17	Public Works	PW	14	Trayser Carriage House - Exterior Masonry & Fenestration Repairs	196,000						196,000					196,000
PW 14	18	Public Works	PW	14	DPW Highway Parking Lot - Design & Construct	114,000						114,000					114,000
PW 14	19	Public Works	PW	14	Town Hall Parking Lot - Design Only - Resolve Traffic & Pedestrian Flow Problems & Upgrade Area	168,000						168,000	598,644				766,644
PW 14	20	Public Works	PW	14	200 Main Street - Design & Construct Storage Space Town Records, Vault Storage & Elevator		356,000					356,000	4,972,860				5,328,860
PW 14	21	Public Works	PW	14	Quantitative Water Qulity Initial Evaluation		230,000					230,000	150,000	150,000	40,000	40,000	610,000
PW 14	22	Public Works	PW	14	Sewer CAD Model Extension		70,000					70,000					70,000
PW 14	23	Public Works	PW	14	Rushy Marsh Pond Restoration Project - Re-design Larger Discharge Structure to Nantucket Sound	50,000						50,000	450,000				500,000
TOTAL PUBLIC WORKS						3,898,000	3,466,000					7,364,000	14,761,242	6,981,734	9,251,060	4,388,220	42,746,258
RS 14	1	Reg Services	RS	14	Long Pond Centerville & Mystic Lake MM Hydrilla Control	45,000						45,000	45,000				90,000
RS 14	2	Reg Services	RS	14	Wequaquet Lake Project (incl Bearnse's Pond & Gooseberry Cove) - Fanwort Control	35,000						35,000		35,000			70,000
RS 14	3	Reg Services	RS	14	Shooting Range Improvements (Noise abating berm & new pistol range-design & constr)	196,500						196,500					196,500
TOTAL REGULATORY SERVICES						276,500						276,500	45,000	35,000			356,500
SCH 14	1	Schools	SCH	14	Upgrade High School Fire, Intrusion & Communication System		200,000					200,000	200,000	300,000	300,000		1,000,000
SCH 14	2	Schools	SCH	14	Infrastructure Improvements Barnstable Public School Network- Access to Internet & Ed Resources		189,000					189,000	191,533	173,326			553,859
SCH 14	3	Schools	SCH	14	Replace Three High School Library A/C Units		450,000					450,000					450,000
SCH 14	4	Schools	SCH	14	West Villages Hot Water Circulating Pump Replacements		85,000					85,000					85,000
SCH 14	5	Schools	SCH	14	High School & United 4/5 Elementary School Gym Bleacher Upgrades & Safety Improvements		55,000					55,000					55,000
SCH 14	6	Schools	SCH	14	United 4/5 Elementary School Roofing & Trim Replacement		600,000					600,000					600,000
SCH 14	7	Schools	SCH	14	Barnstable Intermediate School Façade & Roof Improvements		100,000					100,000	1,000,000	1,000,000	1,000,000	1,000,000	4,100,000
SCH 14	8	Schools	SCH	14	Barnstable Public School Equipment Upgrades (Mower, Tractor & Attachments)		150,000					150,000					150,000
SCH 14	9	Schools	SCH	14	Removal of Modular Clasrooms @ Three Elementary Schools		125,000					125,000					125,000
SCH 14	10	Schools	SCH	14	Replace & Upgrade Walk-in Coolers @ High School, Hyannis West and Centerville Elementary		60,000					60,000	150,000				210,000
SCH 14	11	Schools	SCH	14	Remove & Dispose Underground Oil Storage Tanks @ Hyannis West and Centerville Elementary		100,000					100,000					100,000
SCH 14	12	Schools	SCH	14	School Wide Kitchen Equipment Upgrades		50,000					50,000	50,000	50,000	50,000	50,000	250,000
SCH 14	13	Schools	SCH	15/16	Performing Arts Center Upgrades & Improvements (Rigging, Curtains & Lighting)								100,000	100,000			200,000
SCH 14	14	Schools	SCH	15	United 4/5 Elementary School - Rebuild/Replacment Hot Water Circulating Pumps								75,000				75,000
SCH 14	15	Schools	SCH	16/17	High School Roof Top Ventilator Replacement (3 units FY16, 2 units FY17)									450,000	300,000		750,000
SCH 14	16	Schools	SCH	15	Early Learning Center								4,550,000				4,550,000
TOTAL SCHOOLS							2,164,000					2,164,000	6,316,533	2,073,326	1,650,000	1,050,000	13,253,859
GENERAL FUND						4,709,500	7,703,970					12,413,470	23,737,797	14,026,600	11,486,560	7,198,220	68,862,647
TOTAL PROJECTS COSTS											25,873,970	28,795,547	17,715,850	43,255,310	16,799,715	132,440,392	

PART II. CAPITAL TRUST FUND CASH FLOW ANALYSIS

The Capital Trust Fund (CTF) is used as a mechanism to finance the Town's general fund capital improvement program within the limitations of Proposition 2½. Annually, the Town transfers a sum of money from the general fund into the CTF. The resources within the CTF are then used to make the annual loan payments on the bonds issued to finance the Town's capital program. Some of the Town's capital appropriations are financed using the reserves within the CTF as opposed to bond issues. Annually, the Town reviews the projected cash flows in and out of the CTF for the prospective 20 year period in order to measure the level of additional capital appropriations the fund can finance.

For the most part, this fund is not the funding source for enterprise fund capital improvements. Most enterprise funds pay 100% of their capital cost which is recovered through their respective user fees. Enterprise fund capital improvements may be funded from the CTF, which is a policy decision. The two current exceptions are the bond issues for the construction of the Hyannis Youth & Community Center (HYCC) and a portion of the bond issues for the Barnstable Harbor Marina bulkhead replacement.

The FY14 general fund Capital Improvement Program includes a combination of "pay-as-you-go" or cash financing and new bond issues. The cash financing portion of the program is funded from the capital trust fund reserves and a special revenue fund established from the sale of town owned property. This "pay-as-you-go" financing approach saves the Town thousands of dollars in the form of bond issuance costs and interest cost. It also provides the opportunity to have some capital program on an annual basis, and provides flexibility in its budgeting. With just a debt service program, the CTF can become saturated with loan payments and prohibit the approval of any new projects until the debt service from other projects expire. This would also reduce the Town's flexibility in resource allocation as future cash flows are committed to fixed annual loan payments.

In the event of absolute necessity, the cash portion of the program could be converted to a debt program to allow for a larger capital program up front. For example, the Town could allocate \$1 million in cash per year for capital improvements or allocate \$1 million per year towards new debt service. \$1 million in new debt service could pay for a bond issue of approximately \$8 million over 10 years.

Furthermore, the annual contribution from the general fund to the CTF could be decreased by the cash program portion (\$3.25M), if the need for funding general fund operations is determined to be greater than the need for the capital expenditure. There are countless scenarios that can be created to allocate the annual cash flow of the CTF between a cash and borrowing program.

The annual contribution to the CTF has grown from \$1.9 million per year to \$7.146 million in FY14. This amount is projected to increase by 2.5 percent per year in order to allocate more funds to the capital program. Even as more funds are allocated to the capital program the Town's capital needs require a higher contribution level. Opportunities to increase this contribution are examined every year. For FY14, an additional \$7 million will be transferred from the general fund reserves and \$414,000 from a special revenue fund so as to provide for a greater level of capital funding over the next five years.

Table A demonstrates the CTF cash flow for the next 10 years incorporating all existing loan payments and the FY14 proposed capital improvement program. Table B illustrates the potential capacity within the CTF over the next ten years, and Table C provides the detailed amortization of all existing loans to be paid out of the CTF.

Major Assumptions Used In Table A:

- Investment earnings will average 2% per year
- The transfer from the general fund will increase 2.5% per year
- Loan amortization on the FY14 bond issue will include:
 - \$637,000 over 5 years
 - \$2,484,000 over 10 years
 - \$750,000 over 15 years
 - \$1,744,000 over 20 years
- The interest rate on the bonds will range from 2.5% to 4.0% with the longer the amortization period the higher the interest rate
- No additional enterprise fund debt is included
- No additional general fund or special revenue fund resources are included beyond FY14
- The FY14 bonds will be issued at a time so that the first loan payments will not be made until FY15
- There are no savings from bond refinancing included in the projection
- The Federal government will not make any changes and the tax advantages of municipal bonds will remain intact
- No other major changes will take place in the municipal bond market
- The funding for the public roads program of \$3.25 million is repeated every year for the next 10 years
- Additional cash funded capital of \$100,000 per year is included

Major Assumptions Used In Table B:

In addition to all of the assumptions in Table A, the following additional assumptions are included in Table B:

- Bond issues of \$7 million per year are included for the FY15 through FY18 capital program with the following amortization amounts:
 - \$500,000 over 5 years
 - \$1,000,000 over 10 years
 - \$2,500,000 over 15 years
 - \$3,000,000 over 20 years
- No additional bond issues are included beyond FY18

TABLE A – EXISTING LOAN AMORTIZATION AND FY14 PROPOSED PROJECTS

ESTIMATED CAPITAL TRUST FUND CASH FLOW										
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
1 Beginning Trust Fund Balance	\$ 5,309,408	\$ 11,463,169	\$ 10,730,177	\$ 10,320,749	\$ 10,605,799	\$ 11,322,753	\$ 12,485,647	\$ 14,149,694	\$ 16,294,322	\$ 19,144,211
Resources:										
2 Investment Earnings	106,188	229,263	214,604	206,415	212,116	226,455	249,713	282,994	325,886	382,884
3 Private Road Betterments Collected	69,000	66,000	63,000	60,000	57,000	54,000	51,000	48,000	-	-
4 Transfer From General Fund	7,146,603	7,325,268	7,508,399	7,696,109	7,888,511	8,085,723	8,287,866	8,495,063	8,707,439	8,925,125
5 Transfer From Special Revenue Funds	414,000	-	-	-	-	-	-	-	-	-
6 Additional Contribution From General Fund	7,000,000	-	-	-	-	-	-	-	-	-
7 Total Current Year Resources	14,735,791	7,620,531	7,786,003	7,962,524	8,157,627	8,366,178	8,588,579	8,826,057	9,033,325	9,308,009
8 Total Available Resources (Lines 1 + 7)	20,045,199	19,083,700	18,516,180	18,283,273	18,763,426	19,688,931	21,074,226	22,975,751	25,327,647	28,452,220
Commitments:										
9 Existing Debt Service Payments	(4,852,031)	(4,350,148)	(4,204,880)	(3,699,749)	(3,475,773)	(3,251,209)	(3,105,057)	(2,872,558)	(2,385,170)	(2,200,712)
10 Estimated Debt Service on FY14 CIP (\$5.615M)	-	(653,375)	(640,550)	(627,725)	(614,900)	(602,075)	(469,475)	(458,871)	(448,267)	(442,396)
11 Public Roads Program	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)
12 Other Cash Program	(480,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
13 Total Current Year Commitments	(8,582,031)	(8,353,523)	(8,195,430)	(7,677,474)	(7,440,673)	(7,203,284)	(6,924,532)	(6,681,429)	(6,183,437)	(5,993,108)
14 Increase (Decrease) in Trust Fund (Line 8 - 13)	6,153,760	(732,991)	(409,428)	285,050	716,954	1,162,894	1,664,047	2,144,628	2,849,889	3,314,901
15 Ending Trust Fund Balance (Lines 1 + 14)	\$ 11,463,169	\$ 10,730,177	\$ 10,320,749	\$ 10,605,799	\$ 11,322,753	\$ 12,485,647	\$ 14,149,694	\$ 16,294,322	\$ 19,144,211	\$ 22,459,112
16 % of trust fund resources committed in CY (max = 80%)	43%	45%	45%	43%	41%	38%	34%	30%	26%	22%

This table illustrates the Capital Trust Fund’s (CTF) cash flow incorporating all existing loan payments on previously authorized projects as well as the recommended projects for FY14. Projects funded from the CTF’s reserves in FY14 total \$3,730,000 and those funded from bond issues total \$5,615,000. The bonds will be issued in FY14 and the first loan payments will be made in FY15. The estimated new loan payments on the FY14 bond issue are illustrated on line 10. Line 9 includes the loan payments for all existing bond issues. Lines 11 and 12 include estimates on future cash appropriations for capital to be financed from the trust fund’s reserves. One-time additional resources to be added to the fund in FY14 from the special revenue fund and general fund are included on lines 5 and 6, respectively. The projected balance in the fund reaches a low of \$10.3 million at the end of FY16 and begins to grow thereafter. This indicates that the fund can absorb more annual loan payments which will allow for more bond issues beyond FY14 to fund additional capital expenditures.

TABLE B – CAPITAL TRUST FUND ESTIMATED CAPACITY FOR THE NEXT 10 YEARS

ESTIMATED CAPITAL TRUST FUND CASH FLOW										
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
1 Beginning Trust Fund Balance	\$ 5,309,408	\$ 11,463,169	\$ 10,730,177	\$ 9,629,082	\$ 8,529,882	\$ 7,169,068	\$ 5,559,722	\$ 4,447,750	\$ 3,901,464	\$ 4,145,787
Resources:										
2 Investment Earnings	106,188	229,263	214,604	192,582	170,598	143,381	111,194	88,955	78,029	82,916
3 Private Road Betterments Collected	69,000	66,000	63,000	60,000	57,000	54,000	51,000	48,000		
4 Transfer From General Fund	7,146,603	7,325,268	7,508,399	7,696,109	7,888,511	8,085,723	8,287,866	8,495,063	8,707,439	8,925,125
5 Transfer From Special Revenue Funds	414,000	-	-	-	-	-	-	-	-	-
6 Additional Contribution From General Fund	7,000,000	-	-	-	-	-	-	-	-	-
7 Total Current Year Resources	14,735,791	7,620,531	7,786,003	7,948,691	8,116,109	8,283,104	8,450,060	8,632,018	8,785,468	9,008,041
8 Total Available Resources (Lines 1 + 7)	20,045,199	19,083,700	18,516,180	17,577,773	16,645,991	15,452,173	14,009,782	13,079,768	12,686,932	13,153,828
Commitments:										
9 Existing Debt Service Payments	(4,852,031)	(4,350,148)	(4,204,880)	(3,699,749)	(3,475,773)	(3,251,209)	(3,105,057)	(2,872,558)	(2,385,170)	(2,200,712)
10 Estimated Debt Service on FY14 CIP (\$5.615M)	-	(653,375)	(640,550)	(627,725)	(614,900)	(602,075)	(469,475)	(458,871)	(448,267)	(442,396)
11 Additional Capacity Available (FY15) - \$7M bond	-	-	(691,667)	(678,750)	(665,833)	(652,917)	(640,000)	(538,125)	(526,667)	(515,208)
12 Additional Capacity Available (FY16) - \$7M bond	-	-	-	(691,667)	(678,750)	(665,833)	(652,917)	(640,000)	(538,125)	(526,667)
13 Additional Capacity Available (FY17) - \$7M bond	-	-	-	-	(691,667)	(678,750)	(665,833)	(652,917)	(640,000)	(538,125)
14 Additional Capacity Available (FY18) - \$7M bond	-	-	-	-	-	(691,667)	(678,750)	(665,833)	(652,917)	(640,000)
15 Public Roads Program	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)	(3,250,000)
16 Other Cash Program	(480,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
17 Total Current Year Commitments	(8,582,031)	(8,353,523)	(8,887,097)	(9,047,891)	(9,476,923)	(9,892,451)	(9,562,032)	(9,178,304)	(8,541,145)	(8,213,108)
18 Increase (Decrease) in Trust Fund (Line 8 - 17)	6,153,760	(732,991)	(1,101,095)	(1,099,200)	(1,360,814)	(1,609,347)	(1,111,971)	(546,286)	244,323	794,933
19 Ending Trust Fund Balance (Lines 1 + 18)	\$ 11,463,169	\$ 10,730,177	\$ 9,629,082	\$ 8,529,882	\$ 7,169,068	\$ 5,559,722	\$ 4,447,750	\$ 3,901,464	\$ 4,145,787	\$ 4,940,720
20 % of trust fund resources committed in CY (max = 80%)	43%	45%	49%	53%	59%	67%	73%	76%	74%	69%

In addition to proposed \$9,345,000 FY14 capital program it is estimated the CTF can absorb approximately \$58 million more in capital expenditures over the next 10 years for a total of \$67 million. Cash financed capital is estimated at \$3.35 million per year through FY23 as illustrated on lines 15 and 16. Bond financed capital is estimated a \$7 million per year for FY15 through FY18. The estimated annual loan payments on the bonds are illustrated on lines 11 through 14. The size of this capital program will draw the reserves down in the CTF every year until FY22 as illustrated on line 18. After the FY18 bond issue, it is estimated that the next bond issue won't be until FY21, as the available resources begin to exceed the current year commitments in FY22.

TABLE C – CAPITAL TRUST FUND DEBT AMORTIZATION SCHEDULE FOR ALL ISSUED DEBT THROUGH FY23

Purpose	Issue Date	Maturity Date	Original Amount	P&I Payments FY 2014	P&I Payments FY 2015	P&I Payments FY 2016	P&I Payments FY 2017	P&I Payments FY 2018	P&I Payments FY 2019	P&I Payments FY 2020	P&I Payments FY 2021	P&I Payments FY 2022	P&I Payments FY 2023
Building - Police Station Construction - 2004-011	06/15/05	06/15/25	400,000	29,720	28,720	27,720	27,020	26,320	25,580	24,820	24,044	23,245	22,445
Drainage - Refunded	02/15/07	02/15/14	152,100	31,200	-	-	-	-	-	-	-	-	-
Public Wharves-Dredging-Refunded	02/15/07	02/15/15	155,800	32,400	31,200	-	-	-	-	-	-	-	-
School Facilities Repair	02/15/07	02/15/17	339,000	40,000	33,600	32,400	31,200	-	-	-	-	-	-
BHS Cogeneration	02/15/07	02/15/17	500,000	58,000	56,000	54,000	52,000	-	-	-	-	-	-
Old Town Hall	02/15/07	02/15/17	295,000	34,600	33,400	32,200	26,000	-	-	-	-	-	-
Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	95,109	93,709	92,309	90,909	89,309	37,759	11,009	9,609	8,209	6,765
School Upgrades 1	02/15/07	02/15/22	360,000	33,925	32,925	31,925	30,925	29,925	28,675	22,425	21,625	20,825	-
School Facilities Repair & Improvement	02/15/07	02/15/22	660,000	61,550	59,750	57,950	56,150	54,350	52,100	44,850	43,250	41,650	-
Beach Facilities	02/15/07	02/15/22	270,000	36,990	33,990	30,990	22,990	19,990	16,250	15,000	15,000	15,000	-
Land Acquisition - Hya nnis Golf Course	02/15/07	02/15/26	748,000	61,375	59,775	58,175	56,575	54,975	52,975	50,975	49,375	47,775	46,125
School Health & Safety Improvements	02/15/07	02/15/26	478,000	37,911	36,911	35,911	34,911	33,911	32,661	31,411	30,411	29,411	23,380
MME Roof Replacement	02/15/07	02/15/26	750,000	61,585	59,985	58,385	56,785	55,185	53,185	51,185	49,585	47,985	46,335
School Upgrades 2	02/15/07	02/15/27	150,000	13,764	13,364	12,964	12,564	7,164	6,914	6,664	6,464	6,264	6,058
BHMCS Roof	02/15/07	02/15/27	910,000	71,674	69,874	68,074	66,274	64,474	62,224	59,974	58,174	56,374	54,518
Senior Center - Garden Level	02/15/07	02/15/27	457,000	31,319	30,519	29,719	28,919	28,319	22,569	21,819	21,219	20,619	20,000
Town Building Repairs & Renovations	02/15/07	02/15/27	685,000	47,905	46,905	45,905	44,905	43,905	42,655	41,655	40,855	40,055	39,230
MWPAT CW-04-31	11/09/07	07/15/20	389,216	33,999	33,999	33,999	33,999	33,999	33,999	33,999	33,999	-	-
Coastal Water Quality Improvements	06/15/08	06/15/18	250,000	28,800	27,960	27,120	26,040	25,140	-	-	-	-	-
Lake & Pond Improvements	06/15/08	06/15/18	250,000	28,800	27,960	27,120	26,040	25,140	-	-	-	-	-
Land Acquisition -CAP	06/15/08	06/15/23	365,200	33,690	32,850	32,010	30,930	30,030	28,890	27,930	26,970	26,010	25,020
Private Road Repairs	06/15/08	06/15/23	1,607,900	150,201	146,456	142,711	137,896	133,884	128,801	124,521	120,241	115,961	111,548
Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	14,038	13,688	13,338	12,888	12,513	12,038	11,638	11,238	10,838	10,425
Bismore Park Visitor Center	06/15/08	06/15/23	465,000	43,516	42,431	41,346	39,951	38,789	37,316	36,076	34,836	33,596	32,318
Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	32,286	31,481	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978
Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	32,286	31,481	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978
Boat Ramps - CAP	06/15/08	06/15/23	927,000	86,829	84,659	82,489	79,699	77,374	73,429	70,989	68,549	66,109	63,593
School Facility Improvements	06/15/08	06/15/28	916,600	54,213	52,988	51,763	45,188	44,063	42,638	41,438	40,238	39,038	37,800
Municipal Building Improvements	06/15/08	06/15/28	297,000	13,456	13,106	7,756	7,531	7,344	7,106	6,906	6,706	6,506	6,300
School Building Improvements	06/15/10	06/15/30	800,000	66,554	65,700	64,845	62,708	56,298	55,337	53,413	52,260	51,106	49,856
Highway Facility	06/15/10	06/15/30	136,000	11,314	11,169	11,024	10,660	9,571	9,407	9,080	8,884	8,688	8,475
School Facility Improvements	06/15/10	06/15/14	1,000,000	255,000	-	-	-	-	-	-	-	-	-
Bismore Park Improvements	06/15/10	06/15/14	74,000	15,300	-	-	-	-	-	-	-	-	-
Dredging	06/15/10	06/15/24	419,250	41,075	40,475	39,875	38,375	36,875	36,125	34,625	33,725	32,825	31,850
Lake Treatment	06/15/10	06/15/25	275,000	27,375	26,975	26,575	25,575	24,575	24,075	23,075	17,475	17,025	16,538
Municipal Facility Improvements	06/15/10	06/15/29	402,500	84,319	7,719	7,619	7,369	7,119	6,994	6,744	6,594	6,444	6,281
Police Facility	06/15/10	06/15/30	508,000	40,094	39,594	39,094	37,844	36,594	35,969	34,719	33,969	33,219	32,406
Nitrogen Management CW-04-31-A	03/15/11	07/15/20	211,460	23,330	23,330	23,330	23,330	23,330	23,330	23,330	23,330	-	-
School Facilities Upgrades/Repairs V	06/14/11	06/15/31	884,000	73,669	72,769	71,419	70,069	68,719	66,919	65,119	63,319	61,519	59,719
School Facilities Upgrades/Repairs I	06/14/11	06/15/16	65,000	15,900	10,600	10,300	-	-	-	-	-	-	-
School Equipment	06/14/11	06/15/16	193,000	42,900	37,100	36,050	-	-	-	-	-	-	-
Traffic Calming	06/14/11	06/15/16	50,000	10,800	10,600	10,300	-	-	-	-	-	-	-
Municipal Facility Upgrades/Repairs - MEA Building	06/14/11	06/15/16	114,000	21,600	21,200	20,600	-	-	-	-	-	-	-
Police Dept. Emergency Generator	06/14/11	06/15/16	271,000	59,250	58,150	51,500	-	-	-	-	-	-	-

TABLE C – CAPITAL TRUST FUND DEBT AMORTIZATION SCHEDULE FOR ALL ISSUED DEBT THROUGH FY23 - CONTINUED

Purpose	Issue Date	Maturity Date	Original Amount	P&I Payments FY 2014	P&I Payments FY 2015	P&I Payments FY 2016	P&I Payments FY 2017	P&I Payments FY 2018	P&I Payments FY 2019	P&I Payments FY 2020	P&I Payments FY 2021	P&I Payments FY 2022	P&I Payments FY 2023
Dredging - 98-097 Refunded	06/14/11	06/15/16	144,000	38,820	37,100	36,050	-	-	-	-	-	-	-
Mill Pond Dredge & Lake Wequaquet Planning	06/14/11	06/15/16	430,000	91,800	90,100	87,550	-	-	-	-	-	-	-
Wastewater Management Planning	06/14/11	06/15/16	600,000	129,600	127,200	123,600	-	-	-	-	-	-	-
Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	175,950	168,050	163,850	154,650	145,600	140,400	135,200	-	-	-
School Parking Lot	06/14/11	06/15/21	250,000	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-	-
School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	43,650	42,950	41,900	40,850	34,800	33,600	32,400	31,200	-	-
Bridge Repair	06/14/11	06/15/21	250,000	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-	-
Sidewalk Improvements	06/14/11	06/15/21	350,000	44,450	43,750	42,700	41,650	40,600	39,200	37,800	36,400	-	-
Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	26,300	24,880	24,280	23,680	23,080	21,280	20,520	19,760	-	-
Municipal Facility Improvement	06/14/11	06/15/21	300,000	38,100	37,500	36,600	35,700	34,800	33,600	32,400	31,200	-	-
Boat Ramp Renovations	06/14/11	06/15/21	250,000	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-	-
Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	87,650	81,250	79,300	77,350	75,400	72,800	70,200	67,600	-	-
School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	6,550	6,450	6,300	6,150	6,000	5,800	5,600	5,400	5,200	-
Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	13,060	12,860	12,560	12,260	11,960	11,560	11,160	10,760	9,360	-
School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	19,963	19,663	19,213	13,763	13,463	13,063	12,663	12,263	11,863	11,463
School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	20,513	20,213	19,763	19,313	18,863	18,263	12,663	12,263	11,863	11,463
School Improvement	06/14/11	06/15/26	487,000	49,438	48,738	47,688	46,638	45,588	39,188	37,988	36,788	35,588	34,388
Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	35,475	34,975	34,225	33,475	32,725	31,725	30,725	29,725	23,725	22,925
Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	58,250	57,450	56,250	55,050	53,850	52,250	50,650	49,050	47,450	45,850
Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	6,198	6,048	5,898	5,723	5,523	5,348	5,198	4,162	-	-
Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	27,601	25,580	24,980	24,280	23,480	22,780	22,180	21,580	17,940	15,300
Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	33,809	33,029	32,249	31,339	30,299	29,389	28,609	22,806	21,192	20,196
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	26,228	25,628	25,028	24,328	23,528	22,828	22,228	21,628	18,968	15,504
Advance Refund 6/15/2003 Rink Improvements	04/18/12	09/15/22	96,600	12,965	13,114	12,814	12,514	12,164	11,764	11,414	11,114	10,814	7,064
Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	85,332	83,382	81,432	79,157	76,557	71,229	67,500	65,700	63,600	61,200
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	13,118	12,818	12,518	12,168	11,768	11,418	11,118	10,818	10,468	6,834
Nitrogen Management CW-04-31-B Series 16	06/13/12	07/15/20	539,860	72,687	72,781	72,879	72,977	73,078	73,182	73,288	73,395		
TOTAL GENERAL FUND DEBT SERVICE				3,372,376	2,904,324	2,793,286	2,325,765	2,136,863	1,955,956	1,851,423	1,655,244	1,204,176	1,057,123
Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	63,231	62,431	61,231	60,031	58,831	57,231	55,631	54,031	52,431	50,831
HYCC 1	02/15/07	02/15/27	1,000,000	79,138	77,138	75,138	73,138	71,138	69,138	66,638	64,638	62,638	60,575
HYCC 2	02/15/07	02/15/27	8,000,000	637,100	621,100	605,100	589,100	573,100	553,100	533,100	517,100	501,100	484,600
HYCC 3	02/15/07	02/15/27	1,600,000	127,420	124,220	121,020	117,820	114,620	110,620	106,620	103,420	100,220	96,920
HYCC 4	06/15/08	06/15/28	6,765,000	547,765	535,935	524,105	508,895	496,220	480,165	466,645	453,125	439,605	425,663
TOTAL ENTERPRISE FUND DEBT SERVICE				1,454,654	1,420,824	1,386,594	1,348,984	1,313,909	1,270,254	1,228,634	1,192,314	1,155,994	1,118,589
Tempoary interest on bond anticipation notes				25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
GRAND TOTAL ALL DEBT SERVICE				4,852,031	4,350,148	4,204,880	3,699,749	3,475,773	3,251,209	3,105,057	2,872,558	2,385,170	2,200,712

PART III. DEBT POSITION ANALYSIS

A. TYPE AND PURPOSE OF DEBT

The Town sells bonds to finance major capital improvements that require large cash outlays. General Obligation Bonds (GOB) have been sold to fund capital improvements managed by various municipal operations such as schools, public works, recreation, conservation, and the Town's enterprise fund operations. General Obligation Debt, (GOD), is supported by the full faith and credit of the Town and is repaid from property taxes collected from both current and future property owners throughout the term of the debt, except for the bonds issued to fund most capital improvements for enterprise fund operations. Although property taxes are pledged as collateral for enterprise fund GOB's, most of the bonds are repaid with revenue generated by the enterprise funds and not property taxes. This arrangement provides for more favorable borrowing rates for enterprise fund debt and is required by Massachusetts General Laws. Alternatively, enterprise funds would have to issue what are referred to as "Revenue Bonds", which would typically carry much higher interest rates, as the collateral is enterprise fund revenue as opposed to property taxes.

Properly structured municipal debt is tax exempt. This feature is attractive to many investors who, in turn, require less interest than they would from non-tax-exempt investments. Typical rates for municipal bonds over the past several years have been in the 2% to 4% range. Rates remain low in FY13 as the economy is making municipal bonds more attractive for highly rated communities. When netted out against inflation, municipal borrowing costs – especially for strong credit worthy Towns such as Barnstable – are enviable.

The Town operates several enterprise funds including the airport, two golf courses, a wastewater treatment facility, a solid waste transfer station, water supply operations, four marinas, Sandy Neck Park and the Hyannis Youth & Community Center. These funds are expected to repay their debt from the revenues that they generate unless it is determined that a General Fund contribution is necessary to provide for some fee mitigation. In addition, the Town has borrowed on behalf of the Community Preservation Fund (CPF) that was created by general legislation to enable Towns in the Commonwealth to acquire open space and to finance community housing and historic preservation projects. The CPF, a special revenue fund, is funded with a three percent surtax on each real estate tax bill. The Commonwealth provides a partial matching program for the surtax billed from a state trust account, which is funded by real estate transfer taxes. The matching program is expected to decline as more communities adopt the CPF, real estate transactions declining, as well as a decline in the State's trust fund balance.

B. CURRENT DEBT POSITION

As of June 30, 2012, the Town of Barnstable had \$129.3 million of outstanding long-term debt. New debt issued in FY12 was \$18 million and existing debt retired was \$25.7 million, representing a \$7.7 million net decrease in the outstanding long-term debt level from June 30, 2011. These debt figures include all debt incurred on behalf of the enterprise funds (\$56 million) and Community Preservation Fund (\$20.3 million).

Several factors determine the amount of debt the Town can afford to maintain. These include the strength of the local economy, the wealth of the community, the amount of debt sold by overlapping jurisdictions (the County, Cape Cod Regional Transit Authority and Cape Cod Regional Technical High School), and future capital needs. These factors influence the Town's bond rating - an evaluation of the Town's ability to repay debt as determined by the rating agencies. Rating agencies examine the local economy as well as the Town's financial position, administrative capabilities, and level of planning. System improvements such as programmatic budgeting, an administrative code, policy planning based on a ten-year forecast, and financial fund management have helped the Town's position. In their most recent bond rating analysis dated April 3, 2012, Standard & Poor's affirmed the 'AAA' rating on the

Town's outstanding debt. This included a stable outlook. The rating reflects S&P's assessment of the Town's demonstrated market access and strong financial position and fiscal management, good income levels and high per capita market value and a primarily residential property tax base that is among the largest in Massachusetts.

Projected Debt Payments by Project and Fund

The following four tables set forth the projected General Obligation Debt (G.O.D.) payments by project for both the Town's governmental funds and the enterprise funds.

It is significant to note that the State reimburses for school construction projects at the rate of 64% including interest costs incurred, as well as several MWPAT loans for sewer construction, water system improvements and landfill capping loans. The State will contribute \$26.5 million in school building assistance grants and MWPAT subsidies over the remaining life of the outstanding bonds.

Bonds Payable Schedule – Governmental Funds (Excludes Enterprise Fund Debt)

Project	Maturities Through	Original Loan Amount	Coupon Rate (%)	Outstanding at June 30, 2011	Issued	Redeemed	Outstanding at June 30, 2012
MWPAT Title V Bond of 1997	2021	\$200,000	0.00	\$103,803		(\$10,000)	\$93,403
Municipal Purpose Refunding of 2012	2012	8,340,062	4.00	2,786,903		(2,7806,903)	-
MWPAT Title V Bond of 2002	2023	200,000	0.00	119,928		(10,020)	109,908
Municipal Purpose Bonds of 2002	2022	20,949,000	4.00 – 5.00	1,160,000		(1,160,000)	-
Municipal Purpose Bonds of 2003	2013	7,014,000	2.00 - 4.00	3,310,000		(2,955,000)	355,000
Municipal Purpose Bonds of 2004	2014	11,783,000	3.00 – 5.00	7,415,000		(6,175,000)	1,240,000
Municipal Purpose Bonds of 2005	2025	6,280,000	3.25 – 5.00	4,390,000		(315,000)	4,075,000
MWPAT Title V Bond of 2006	2026	400,000	0.00	300,000		(20,000)	280,000
MWPAT Title V Bond of 2007	2027	200,000	0.00	160,000		(10,000)	150,000
Municipal Purpose Bonds of 2007	2027	46,664,000	3.38 – 4.75	36,805,000		(4,460,000)	32,345,000
MWPAT Bond of 2008 (CW-04-31)	2021	389,216	2.00	308,161		(28,117)	280,044
Municipal Purpose bonds of 2008	2028	6,861,000	3.75 – 4.50	4,859,000		(637,000)	4,222,000
MAPAT Bond of 2009	2021	1,059,374	2.00	751,320		(19,294)	732,026
Municipal Purpose bonds of 2010	2030	4,959,000	2.00 – 5.00	4,380,000		(550,000)	3,830,000
Municipal Purpose bonds of 2011	2031	16,176,000	2.00 – 4.00	16,176,000		(876,000)	15,300,000
Municipal Purpose Refunding of 2012	2023	11,715,000	2.00 – 4.00		\$10,037,900	-	10,037,900
Total Bonds Payable				\$83,025,115	\$10,037,900	(\$20,012,734)	\$73,050,281

Debt service requirements for principal and interest for Governmental bonds payable in future fiscal years are as follows:

Fiscal Year	Principal	Interest	Total
2013	\$9,298,893	\$3,105,832	\$12,404,725
2014	9,025,234	2,701,093	11,726,327
2015	8,197,588	2,124,371	10,321,959
2016	7,954,994	1,836,324	9,791,318
2017	7,642,450	1,541,326	9,183,776
2018	7,594,957	1,253,186	8,848,143
2019	7,613,519	915,164	8,528,683
2020	4,172,133	577,593	4,749,726
2021	3,188,605	425,148	3,613,753
2022	2,693,204	308,910	3,002,114
2023	2,073,704	203,045	2,276,749
2024	970,000	137,578	1,107,578
2025	935,000	101,223	1,036,223
2026	610,000	65,719	675,719
2027	365,000	42,856	407,856
2028	250,000	28,478	278,478
2029	215,000	18,650	233,650
2030	210,000	10,052	220,052
2031	40,000	1,656	41,656
Total	\$73,050,281	\$15,398,204	\$88,448,485

The Commonwealth of Massachusetts has approved school construction assistance to the Town. The assistance program, which is administered by the Massachusetts School Building Authority, provides resources for construction costs and debt service interest of general obligation bonds outstanding. The Town is currently receiving annual payments for 64% of eligible costs in relation to the construction of the Grade 4/5 School in Marstons Mills and the renovation and expansion of the Barnstable Intermediate School and Barnstable High School. During fiscal year 2012, \$3,509,000 of such assistance was received. Approximately \$23,462,000 will be received in future years. Of this amount, \$2,528,000 represents reimbursement of future long-term interest costs and \$20,934,000 represents reimbursement of approved construction cost.

Bonds Payable Schedule – Enterprise Funds

Project	Maturities Through	Original Loan Amount	Coupon Rate (%)	Outstanding at June 30, 2011	Issued	Redeemed	Outstanding at June 30, 2012
Golf Course	2025	\$4,450,000	5.00	\$3,620,000	\$ -	(\$220,000)	\$3,390,000
Wastewater	2032	34,940,442	0.00 – 4.75	17,201,545	5,919,680	(2,341,574)	20,779,651
Water	2032	13,699,618	2.00 – 5.00	11,378,911	910,707	(504,552)	11,785,066
Marinas	2030	3,774,000	3.00 – 5.00	1,675,000	864,000	(975,000)	1,564,000
Solid Waste	2027	8,405,700	0.00 – 4.50	3,907,900	241,500	(691,900)	3,457,500
Sandy Neck	2031	1,365,000	4.00	1,280,000	-	(65,000)	1,215,000
Hyannis Youth & Community Center	2028	17,365,000	3.375 – 5.00	14,223,000	-	(869,000)	13,354,000
Airport	2031	730,000	2.00 – 4.12	730,000	-	(25,000)	705,000
Total Bonds Payable				\$54,016,356	\$7,935,887	(\$5,702,026)	\$56,250,217

Debt service requirements for principal and interest for enterprise bonds payable in future fiscal years are as follows:

Fiscal Year	Principal	Interest	Total
2013	\$3,706,637	\$2,068,847	\$5,775,484
2014	3,880,725	1,777,730	5,658,455
2015	3,900,573	1,601,165	5,501,738
2016	3,796,234	1,463,124	5,259,358
2017	3,857,197	1,322,533	5,179,730
2018	3,601,988	1,174,183	4,776,171
2019	3,677,941	1,041,145	4,719,086
2020	3,302,482	908,520	4,211,002
2021	3,193,311	802,212	3,995,523
2022	3,219,649	699,202	3,918,851
2023	3,284,895	592,146	3,877,041
2024	3,209,562	484,640	3,694,202
2025	3,116,158	385,456	3,501,614
2026	2,873,188	284,383	3,157,571
2027	2,930,663	193,456	3,124,119
2028	1,678,591	100,742	1,779,333
2029	898,752	62,235	960,987
2030	886,722	41,429	928,151
2031	861,201	20,157	881,358
2032	373,748	3,736	377,484
Total	\$56,250,217	\$15,027,041	\$71,277,258

The Town is scheduled to be subsidized by the Massachusetts Water Pollution Abatement Trust (MWPAT) on a periodic basis for principal in the amount of \$1,759,408 and interest costs for \$1,252,594. Since the Town is legally obligated for the total amount of the debt, such amounts are included in the tables above. The fiscal year 2012 principal and interest subsidies totaled \$297,845 and \$243,038, respectively.

The Town is subject to various debt limits by statute and may issue additional general obligation debt under the normal debt limit. On June 30, 2012, the Town had the following authorized and un-issued debt:

Wastewater Treatment & Expansion	\$14,049,813
Water Projects	4,827,156
Dredging Projects	\$329,000
Road Projects	\$6,827
Airport Projects	\$32,203,989
Security Fencing at Landfill	\$160,000
Effluent mitigation	\$1,393,950
Refunding bonds	\$13,258,000
Land Acquisitions	\$655,000
Energy Improvements	\$3,704,000
Facility Improvements	\$428,275
Total	\$71,016,010

C. GENERAL OBLIGATION DEBT – CREDIT RATINGS

In June 2012, the Treasurer conducted a \$11.7 million bond refunding. This sale required a rating agency analysis of the Town’s financial condition and resulted in the Town maintaining its **AAA** credit from Standard and Poor’s on all of its outstanding debt obligations. The descriptor used by S&P for this rating is “Prime Investment Grade”. Only twenty other communities in Massachusetts have an AAA rating from S&P. Strong bond ratings generally reduce interest expense to service the debt as well as bond insurance costs. Additionally, strong bond ratings enhance the prestige of the community within the financial markets and are a vote of confidence by the rating agency that the municipality is pursuing a sound financial course. To achieve this rating upgrade, the Town has been following a prudent course of conservative financial management. Reserves are deemed so important by S&P (listed first of the ten most important factors that they examine) that a quote from their public finance literature is provided. “A formalized financial reserve policy is a consistent feature of most of S&P’s highly rated credits. As economic trends have weakened over the past year, the importance of reserves from a credit standpoint is again highlighted. It clearly provides a measure of financial flexibility to react to budget shortfalls in a timely fashion”. This AAA rating reflects sound credit quality with associated very low risk and should result in low borrowing costs for the Town. In August 2007, Moody’s Rating Services upgraded its bond rating for the Town from Aa3 to Aa1, a two-step increase.

It is important to understand that no single ratio or factor determines a General Obligation Bond rating or fully encompasses the fiscal health of a municipality. The factors must be taken as a group. Other debt ratios, as well as economic and administrative factors account for the differences in ratings. A growing community can afford more debt than a non-growth area and a community with more income wealth can

afford more debt than a poor community. The following is a list of additional factors that the financial community uses in evaluating an issuer's credit rating:

- Economic health and diversification
- Fund balances (free cash and other reserves)
- Evidence of regular planning for capital improvements by the issuer
- Review of the issuer's Capital Improvements Program for its effect on future debt needs
- The willingness of the community, from time to time, to approve Proposition 2½ overrides and/or debt exclusions
- Consideration of projected debt requirements
- The issuer's financial controls related to budgetary matters
- The issuer's long-range planning, particularly zoning and land-use planning
- The range and level of services provided by the issuer in relation to its capacity to provide services
- Flexibility in the ability to raise revenue.

Generally, bond ratings do not change suddenly but respond more to long-range trends. However, dramatic changes are key indicators of fiscal health and can result in a more immediate rating change. In projecting bond ratios, it is important to review the sensitivity of the ratios to changes in the economy.

Extract from Standard & Poor's Credit Profile of Barnstable Printed April 3, 2012

"Barnstable's financial management practices are considered strong under Standard & Poor's Financial Management Assessment (FMA) methodology, indicating that the town's financial practices are strong, well-embedded, and likely sustainable. The FMA is designed to measure management's policies and procedures as it oversees day-to-day operations. Much of Barnstable's debt and financial management practices are embedded in its town code or charter."

D. GENERAL OBLIGATION DEBT - LIMITATIONS

There are several legal limitations that govern the issuance of municipal debt. Under Massachusetts statutes, the General Debt Limit of the Town of Barnstable consists of a Normal Debt Limit and a Double Debt Limit. The Normal Debt Limit for the Town is 2½ percent of the valuation of taxable property as last equalized by the State Department of Revenue. The Town can authorize debt up to this amount without State approval. It can authorize debt up to twice this amount (Double Debt Limit) with the approval of the State's Municipal Oversight Board. The current debt limitation for the Town of Barnstable is close to \$700 million which is significantly higher than the Town's outstanding general obligation debt that is subject to this limitation. It should be pointed out that much of the existing Town debt does not factor into this limitation. There are many categories of general obligation debt that are exempt from, and do not count against, the General Debt Limit. To name a few among many; certain school bonds, water bonds, solid waste disposal facility bonds, and water pollution abatement revenue bonds are not subject to these debt limits.

Proposition 2 ½ (Chapter 580 of the Acts of 1980) also impacts the amount of municipal debt that can be issued. These limiting factors are the Primary Levy Limit and the Maximum Levy Limit and restrict the permitted amount of tax levy increase from year to year. In order to exceed these legal limits, an override initiative would need to be voted to exclude a particular debt issue or a portion of a debt issue from the effects of these limitations. The Town's primary levy limit for FY2013 was calculated as follows:

FISCAL YEAR 2012 PRIMARY LEVY			\$94,853,893
Add:			
2.5% of FY12 primary levy		\$2,371,347	
FY 2013 New Building Growth		757,411	
FY 2013 Debt Payments Excluded		1,961,784	
FY 2013 Cape Cod Commission Assessment		528,700	
Total Additions		\$5,619,242	
FISCAL YEAR 2013 TAX LEVY LIMIT			\$100,473,135

E. GENERAL OBLIGATION DEBT - AFFORDABILITY

Debt analysis, future debt projections and general obligation bond ratios help determine the amount of general obligation debt the Town can afford to issue and support. The table on the following page illustrates the various debt ratios compared to national medians reported by Standard and Poor's. As shown, Barnstable's ratios show moderate amounts of debt. There are a number of factors not directly under the control of the Town that impact key General Obligation (G.O.) bond ratios. Several of the G.O. bond ratios are very sensitive to these uncontrollable factors, and the assumptions used to project their growth can play an important role in future debt policy. Some of these factors are:

Overlapping Debt. Overlapping debt is the G.O. debt that is issued by other government entities whose jurisdictions include the citizens of Barnstable. The Town also has to be aware of the debt management practices of overlapping jurisdictions. The primary entities that have an impact on the Town are Barnstable County, Cape Cod Regional Vocational Technical School District and the regional transportation authority. Overlapping debt combined with the Town's own direct debt is a true measure of the G.O. debt burden placed on the citizens. To determine an issuer's overall G.O. debt burden, overlapping debt is added to the issuer's own outstanding G.O. debt. If other overlapping jurisdictions pursue aggressive capital improvement programs, some of the Town's debt ratios will increase. Therefore, it is important to be aware of not only our G.O. debt issuance plans, but also those of other surrounding jurisdictions.

Property Assessments. Several key debt ratios use property valuations in the calculation of debt burden. If the Town's property values were to rise, debt ratios will continue to improve.

Town of Barnstable Debt Ratios

Current Status

Criteria

0.53%

Direct Debt - General fund debt as a % of the town's FY12 equalized property valuation as calculated by the state.
Formula – Overall general fund debt ÷ Equalized valuation

Standard & Poor's rates this as low (favorable)

8.4%

Municipal Debt Burden – Current Year
Definition - Town's general fund debt service ÷ Total general fund expenditures

Standard & Poor's rates this as moderate

\$1,474

Net Direct Debt Per Capita
Definition – Governmental fund net debt ÷ Town population

Standard & Poor's rates this as low (favorable)

\$306,780

Per Capita Market Value
Definition – Equalized valuation ÷ Population

Standard & Poor's rates this as very high (favorable)

F. ADMINISTRATIVE POLICES IN RELATION TO DEBT

This section provides policies governing the management of debt for the Town that are included in the Town's Administrative Code.

Debt Refinancing

An advance refunding of outstanding debt shall only be considered when present value savings of at least 3% of the principal amount of the refunded bonds are produced, unless: (1) a debt restructuring is necessary or (2) bond covenant revisions are necessary in order to facilitate the ability to provide services or to issue additional debt. The Town, in collaboration with its Financial Advisor, continually monitors municipal bond market conditions to identify refinancing opportunities. An analysis shall be conducted when necessary to determine whether debt financing, cash purchase, or leasing is the most cost effective method of financing for the Town.

General Obligation Debt

1. All debt shall be financed within the limitations of Proposition 2 1/2 with the exception of debt related to enterprise funds, gifts, and betterments. The requirements for such financing shall be an expenditure of at least \$250,000 and a useful life in excess of five years.
2. The term of long-term debt generally shall not exceed the expected useful life of the capital asset being financed and, in no case, shall it exceed twenty years.
3. The ratio of Net Debt (Total outstanding Town of Barnstable General Obligation debt less reimbursements) to Total Assessed Valuation shall not exceed 1.5%. This excludes debt of overlapping jurisdictions.

The current ratio for the Town of Barnstable is 0.77%.

4. The ratio of Debt Service to Total Expenditures (operating expenditures and debt service combined) shall not exceed 15%.

The Town's current ratio is 8.4%.

5. The Town shall target a Standard and Poor's (S&P) debt to income ratio of 8%. The S&P ratio is calculated by dividing Overall Net Debt per Capita by Income per Capita.

The Town's current ratio is 4%.

6. Current revenue should be committed annually to provide sufficient "Pay-as-you-go" financing so that at the end of five years, annual contributions from current revenues amount to 10% of new debt to be issued.

The Town currently exceeds this requirement by a significant margin. The Town intends to spend over \$16 million in the next five years as "pay-as-you-go" financing and anticipates financing about \$30 million in capital with new debt issues resulting in a 35/65 ratio.

7. Excess appropriated bond issues shall be placed into a "bond repayment fund account" at the end of a project completion. The only purpose of the "bond repayment fund account" shall be 1) to make bulk principal pay-downs against general bond debt, or 2) to be used to pay down the principal on any bond issue at the time of refinancing as provided for in Section 1.04C herein.

The Town currently has no balance in this fund.

Capital Trust Fund

A capital trust fund has been established for the purpose of financing debt service for recommended Capital Improvement Program projects, as contained within the Town's five-year capital improvement plan.

1. The Capital Trust Fund will be funded through a general operation set aside of at least \$1.9 million annually. The annual commitment for FY 2013 was approximately \$7 million. This is expected to be repeated for the next 5 years.
2. The Capital Trust Fund shall not be utilized for any purpose other than that stated herein.
3. The criteria for reviewing capital project eligibility for Capital Trust Fund borrowing include the following:
 - a. The capital project shall have a financing term of 20 years or less,
 - b. The capital project shall have a minimum project cost of \$250,000,
 - c. The capital project is approved by the Town Council for funding through an appropriation and loan order submitted by the Town Manager.
4. The Capital Trust Fund will have a debt service restriction on the fund, such that debt service estimates from authorized loan orders shall not exceed, at any one time, more than 80% of the amount in the fund as of the close of the fiscal year prior to the next debt service authorization, unless recommended by the Town Manager.
5. The Capital Trust Fund shall otherwise function in accordance with related financial policies of the Town.

G. DEBT SUMMARIZED

A responsible debt management program is an integral part of municipal finance. A Town's debt must be structured to reflect the underlying, long-term economic prospects of the community. There are statutory requirements and market forces at work to regulate a community's ability to borrow. Continuing disclosure, as required on an annual basis to the bond markets, provides a powerful incentive for a municipality to keep its financial house in order. This analysis has emphasized the importance of credit ratings because, in effect, these are municipal finance report cards. A good credit rating should be guarded jealously, since it is not easily obtained, but can be lost quickly without vigilance and sound financial management.

Part IV. PROJECT DETAIL FY 2014 - FY 2018

A. ENTERPRISE FUND PROJECTS

1. AIRPORT ENTERPRISE FUND

PROJECT: AIR-14 -1

DEPARTMENT PRIORITY: 1 of 20

Project Working Title: RUNWAY 6 ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS) RETROFIT/RECONSTRUCTION – ADDITIONAL FUNDING

Project Location: 480 Barnstable Road, Hyannis

Project Description: The original Runway 6 Engineered Material Arresting System (EMAS) bed was installed in 2003 to prevent concerns related to aircraft overshoots and undershoots on runways that do not meet FAA Runway Safety Area (RSA) requirements. The installation on Runway 6 primarily consists of light weight concrete blocks with a concrete cement top board. A field strength test and feasibility study was completed on October 14, 2012 and confirmed the need to replace selected blocks not suitable for retrofit tops and to retrofit the remaining blocks. Exact costs will not be available until mid-November 2012.

Project Justification: The Barnstable Municipal Airport (BMA) EMAS is a “first generation” system with a projected 10-year lifespan. The BMA was visited by the Engineered Arresting Systems Corporation (ESCO), who originally installed Runway 6 EMAS bed, in 2009 and in 2012 as part of an FAA project to investigate and determine if airports which have EMAS beds are qualified to receive this new top board. It was determined that Barnstable Municipal Airport is eligible for this replacement. This new top board will extend the life of the EMAS bed and provide better adherence of paint requiring less maintenance by the Airport. An inspection has confirmed this requirement and the need to completely replace selected blocks.

Impact of Denial/Postponement: This is a Federal Aviation Administration (FAA) priority safety requirement. The EMAS bed will not be better protected and will increase the risk of failure if used to prevent an overshoot or undershoot. The BMA will continue to provide frequent maintenance of the EMAS bed costing more money and lack of replacement will increase the risk of loss of life and property.

Project Cost Estimates: Construction: \$200,000

Project Estimated Completion Date: Winter 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$200,000	Additional funding for retrofit
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Source of Funding: Funding by FAA (90%) (AIP and /or FAA Discretionary Funds), MassDOT AD (7.5%), and local share (2.5%) from airport enterprise funds.

Operating Budget Impact: None



EMASS System Route 28 side of Airport

PROJECT: AIR-14 -2

DEPARTMENT PRIORITY: 2 of 20

Project Working Title: REPLACE AIRFIELD LIGHTING REGULATORS AND FAA MANDATORY RUNWAY HOLD POSITION SIGNS (RHPS)

Project Location: 480 Barnstable Road, Hyannis

Project Description: The Airfield Lighting Regulators control mandated airfield lighting and navigational equipment and have reached the end of their useful life and must be replaced; and the mandated Runway Hold Position Signs must be replaced to meet revised Federal Aviation Administration (FAA) safety standards on airports.

Project Justification: Airfield lighting regulators control and provide the means for required lighting for aircraft to navigate into and upon the airfield; and for mandated airfield operating equipment associated with aircraft operations. The runway hold position signs are required on runways and taxiways to assist the control tower and aircraft in providing safe airfield operations and for “hold short” requirements to prevent aircraft runway incursions and prevent collisions. Airfield, runway and taxiway lighting and signage is a continuous program essential to maintaining our airport systems to meet safety and FAA FAR Part 91 mandated airport certification requirements.

Impact Of Denial/Postponement: To deny or postpone funding will have significant potential flight safety consequences with regard to airport operations; and continues to affect the ability of pilots to prevent avoidable airport and mid-air collisions, with resultant loss of life or significant injuries.

Project Cost Estimates: Construction \$260,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$260,000	Design and Construction
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Source of Funding: Reimbursable funding by FAA (90%) (AIP and/or FAA Discretionary), MassDOT AD (7.5%), and local share (2.5%).



PROJECT: AIR-14 -3

DEPARTMENT PRIORITY: 3 of 20

Project Working Title: DESIGN; AND CONSTRUCT THE MAIN TERMINAL RAMP – PHASE 2; AND CONSTRUCT THE AIRCRAFT DEICING PAD; AND THE RELOCATION AND RECONSTRUCTION OF ALL OF TAXIWAY ALPHA FROM RUNWAY 33 END TO RUNWAY 15 END; AND MISCELLANEOUS AIRFIELD IMPROVEMENTS

Project Location: 480 Barnstable Road, Hyannis

Project Description: This project includes: (1) Phase 2 of the design and reconstruction of the proposed main terminal aircraft parking apron of approximately 220,000 square feet and is sized to handle peak period activity, primarily by air carrier aircraft, various turbo-prop aircraft, and charter jet aircraft, including a portion of taxiway Alpha to and from the aircraft parking positions, which are now constrained, and will conform to FAA design standards in Advisory Circular No. 150/5300-13; and (2) the construction of a 43,000 square foot de-icing area is being provided for the de-icing of aircraft during winter conditions; and (3) the relocation and reconstruction of Taxiway Alpha which is not in compliance with airport design criteria.

Project Justification: (1) The terminal parking apron/ramp surfaces are over 20 years old, and have grossly exceeded their life expectancy. Pavement composition is inadequate to handle the current design of aircraft that frequent the airport, and shows serious signs of deterioration. All apron areas have been maintained through daily maintenance, and are in fair to good condition. The new apron is needed to improve the efficiency and safety of aircraft operations within the apron area, as well as, to meet existing and future aircraft space requirements. There are no adequate facilities on the airport to support aircraft deicing; however, current practices have been accepted until this project can be completed. (2) An aircraft deicing pad will ensure deicing operations are environmentally safe and significantly decreases the potential for ground water contamination. (3) This Taxiway Alpha reconstruction project is the final step in a multi-year process to acquire necessary abutting properties, and correct the alignment of Taxiway Alpha to bring it into compliance with the FAA airport layout and separation criteria requirements. It should also be noted that realignment of the taxiway is a significant safety enhancement for aircraft operations affecting runways 15 and 33.

Work Accomplished Prior Project: Phase 1 Construction of New Terminal Aircraft Parking Ramp and Installation of Sediment Control Units in the Stormwater Drainage System was completed in FY2012.

Impact Of Denial/Postponement: To deny or postpone funding of this capital project will have a negative impact on safe airport operations, aircraft safety, passenger comforts, and affected security initiatives. Any substantial delay in design and construction of Phase 2 of the Main Terminal ramp, and construction of the Aircraft deicing area, will result in a loss of revenue, and an unfavorable economic impact on the Town of Barnstable. In addition, it will seriously affect the safety of aircraft operating on the ramps and taxiways, and could also jeopardize the safety of aircraft and passengers. Denial of a deicing pad will seriously hinder safe aircraft operations during winter conditions and will increase the threat for ground water contamination. The inability to complete this project will prolong non-compliance with federal operating guidelines. In addition, aircraft and vehicular ground safety would be negatively affected due to continued decreased separation standards.

Project Cost Estimates: Design \$480,000 Construction \$7,320,000

Project Cost/Description FY 2014 and Follow-On Years:

<u>FY</u> 2014	<u>Cost</u> \$7,800,000	<u>Project Description/Components</u>
		Design, Project Management and Construction

Source of Funding: Reimbursable Funding by FAA (AIP and Discretionary 90%), MassDOT AD (7.5%), and local share (2.5%) airport enterprise funds.

Operating Budget Impact: None – replacement of existing fixed pavement and consolidates deicing operations into one location

Supplemental Information: The current layout of the taxiway has been allowed by the Federal Aviation Administration (FAA) due to constraints previously imposed by commercial properties abutting the airport. Necessary abutting properties outside the airport have been acquired to complete the relocation and reconstruction and it is now necessary to bring “Taxiway Alpha” into compliance with FAA separation criteria requirements from taxiway Delta to the approach end of Runway 15. All FAA funding is subject to further appropriation and grant approval.

PROJECT: AIR-14 -4	DEPARTMENT PRIORITY: 4 of 20
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Project Working Title: CONSTRUCT NEW FUEL FARM
Project Location: 480 Barnstable Road, Hyannis

Project Description: Install three 20,000 gallon above ground jet fuel storage tanks.

Project Justification: The existing 20,000 gallon jet fuel underground storage tank (UST) (circa 1993) does not contain enough capacity to meet the fuel sales demand. Fuel demand has increased at the airport and is projected to continue to grow. Installation of the three (3) new storage tanks will meet the growing aviation demand and enhance service to airlines and general aviation customers. More importantly, these tanks will greatly reduce potential threat of ground water pollution, which is always a paramount environmental concern. The existing 20,000 gallon jet fuel UST was converted to jet fuel service in 1992. Following construction of the new storage tanks, the existing 20,000 gallon jet fuel UST will be removed from the ground. Due to the new location of the Jet-A fuel farm adjacent to Gate F, and the installation of the new airport access road, the north ramp 1980’s T-Hangar was demolished and the tenants relocated. The project has already been 100% permitted through the Cape Cod Commission Development of Regional Impact approved in January 2007.

Impact Of Denial/Postponement: Denial or Postponement will force continuation of our inability to meet on-time demand for jet fueling services, and increases the risks for fuel spills; continue to negatively

impact required fuel settlement time before use; and will continue to increase our costs by purchasing fuel in smaller lots driving our retail costs upward with resultant loss of revenue by diversion of aircraft owners to other airports and degradation of service to our aircraft customers.

Project Cost Estimates: Construction \$810,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:
2014 \$810,000 Construction

Source of Funding: Airport Enterprise Funds (20%) and reimbursable funding by MassDOT AD (80%) ASMP Program.

Operating Budget Impact: Replaces existing facility – more efficient operations



Existing Fuel Farm

PROJECT: AIR-14 -5

DEPARTMENT PRIORITY: 5 of 20

Project Working Title: CONSTRUCT EAST RAMP SEWER EXTENSION
Project Location: 480 Barnstable Road, Hyannis, MA 02601

Project Description: The proposed project will provide municipal sewer service to existing buildings located on the East Ramp, and accommodate future growth in this area. The Airport will require existing facilities on the East Ramp that use an on-site septic system to connect to the Town sewer at the time of lease renewal. Installation of municipal sewer will remove these discharges from within the Zone of Contribution (Zone 2) to the Maher well field municipal drinking water wells. The proposed project will include the installation of approximately 5,700 feet of gravity fed sewer line extending to each existing structure, and along the East Ramp to accommodate future growth. Gravity fed sewer lines will discharge to a 7,000 gallon pumping station located approximately 200 feet southeast of the Hexagon hangar. Approximately 2,350 feet of 4-inch force main will connect the pumping station to existing gravity sewer, located on the southern side of the Runway 15/33 runway protection zone (Figure 1). The proposed 7,000 gallon pumping station will feature a natural gas/propane fired emergency backup generator and system alarm station.

Project Justification: The proposed project will eliminate the need for six on-site septic systems and accommodate future growth on the East Ramp. Completion of the proposed project will allow the Airport to meet the Cape Cod Commission Regional Policy Plan (RPP) performance requirements for both Potential Public Water Supply Areas (< 1 part per million (ppm) nutrient loading), and Wellhead Protection Areas (< 5 ppm nutrient loading) for proposed future growth. The project will also meet the Marine Water Recharge Area and Water Quality Improvement Area performance standards of the RPP. These requirements were evaluated in greater detail in the August 2010 Draft Master Plan, the September 2012 Final Environmental Impact Report, and are required by the Town of Barnstable Growth Management Department and Water Department.

Work Accomplished Prior Project: Design will commence upon completion of EIR, Cape Cod Commission Development Agreement, and revised Airport Master Plan.

Impact Of Denial/Postponement: Future growth on the East Ramp is contingent upon the completion of the proposed project, as the RPP performance standards require that future development maintain or improve upon existing conditions. Completion of the proposed project is a key element in realizing future growth opportunities on the East Ramp. The EIR, and the August 2010 Draft Master Plan requires the connection of existing structures to municipal sewer at time of lease renewal.

Project Cost Estimates: Construction \$634,000

Project Estimated Completion Date: 2014

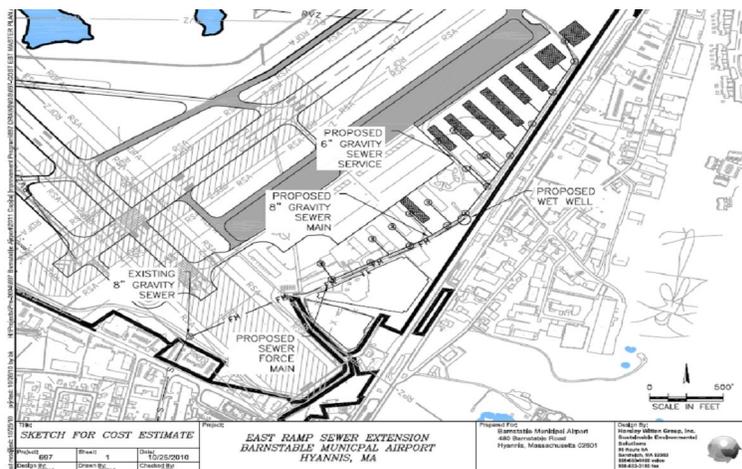
Project Cost/Description FY 2014 and Follow-On Years:

2014	\$634,000	Construction
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Source of Funding: Not eligible for FAA reimbursement. MassDOT AD ASMP grant at 80%, and 20% local share from the Airport Enterprise Fund Reserves. Potential betterments, impact fees, user fees, development fees, connection fees, and so forth, to be developed.

Operating Budget Impact: New fixed system with potential additional DPW WPCD maintenance costs in out years to be determined

Supplemental Information: Horsley Witten conceptual figure entitled “East Ramp Sewer Extension Barnstable Municipal Airport Hyannis, MA.



East Ramp Sewer Extension

Project Working Title: AIRPORT FIXED BASE OPERATIONS (FBO) BUILDING
Project Location: 480 Barnstable Road, Hyannis

Project Description: Design, permit and construct a new Fixed Base Operations (FBO) facility to be manned and operated by the Airport. The new facility will either be an addition to the existing Aircraft Rescue and Firefighting Building (ARFF) or a new stand alone building on a location to be determined on the East Ramp. The estimated size of the building/addition is approximately 2,500 square feet, single story, wood frame, asphalt shingle roof structure. The FBO facility will provide general aviation passenger lounges; pilot and crew rest areas; flight planning capability; kitchen and catering food storage areas; bathrooms; office spaces; a general reception area and waiting area; and other services as needed. In accordance with a recently completed Environmental Impact Report approved by MEPA, and a soon to be completed Development Agreement with the Cape Cod Commission and the Town of Barnstable, the facility will also be required to connect to the Town sewer system regardless of its location.

Project Justification: As a result of Airport Commission strategic planning, and customer requests for enhanced services for general aviation aircraft, including corporate and charter jet services, it has been determined that the Airport must provide enhanced high quality facilities and services to generate better customer relations and meet demands, better pilot and passenger services, and better business management in order to retain and increase general aviation business and revenues for the airport. It has been determined that such a facility should be constructed on the East Ramp and should either be an addition to the existing Aircraft Rescue and Firefighting Building (ARFF), or a new dedicated building – both of which should have airside and landside access, which may require moving of the airport fences and security systems. A complete architectural and engineering review of the ARFF Building will be completed in FY2013; and an airport consultant will complete research on demand and required facilities at the airport in FY2013.

Impact of Denial/Postponement: To deny or postpone funding of this capital project will have significant potential for adverse operational and customer demand consequences with regard to airport operations and revenue generation.

Project Cost Estimates: Design \$102,000

Project Estimated Completion Date: 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 102,000	Permitting and Project Design
2015	\$1,205,000	Construction

Source of Funding: Not eligible for FAA reimbursable funding. Potential MassDOT ASMP program grants would be 80% reimbursable. For ineligible items, full cost would be born by the Airport Enterprise Fund Reserves and short term borrowing.

Operating Budget Impact: The FBO will provide customary accommodations for the convenience of users, including pilot lounge area, information services, direct telephone/internet service connections to the Flight Service Station and the U. S. Weather Bureau, and courtesy vehicle ground transportation to and from other areas of the airport. The FBO will also coordinate apron services and assistance to aircraft, including parking and tie down services, and sale and into-plane delivery of aviation fuels.

Project Working Title: AIRPORT PASSENGER TERMINAL AND BUILDING ENHANCEMENTS

Project Location: 480 Barnstable Road, Hyannis

Project Description: The new Airport passenger terminal is a fully operational structure, built on a limited budget, and is in need of new additional enhancements to ensure that we continue to operate a safe, comfortable and efficient facility for the benefit of our customers – whether they are passengers on our air carriers, or they are tenants that operate within the new terminal, or they are employees of the airport. In FY2014, we are recommending that we continue this process by adding back into the project the design for a new baggage carousel and secure passenger arrival gate canopy, radiant heat at the exterior baggage canopy, a new Flight Information Display system, and a new lighting control system to reduce lighting costs. In addition, the Airport Rescue and Fire Fighting Building (ARFF) is 20 years old and has suffered from deferred maintenance and is in need of various upgrades to be determined by a complete engineering and architectural review of the building that should be completed in FY2013.

Project Justification: During the design and construction phases of the new passenger terminal, many items in the original design were either eliminated or reduced in size in order for the project to remain within budget – so-called design enhancements or a value engineering process. This included such items as a baggage carousel, exterior canopies, extended ticketing baggage belt, polished concrete instead of terrazzo floors, brick exterior siding instead of terra cotta wall cladding, elimination of an expensive landscape irrigation system, and so forth. Some of these items will never be replaced, however, this project is to continuously review the operational status of the facility and as funding permits, to add some of these amenities back into the new terminal and add enhancements as necessary, especially if new and expanded air carrier service becomes a reality. The ARFF building structural and system review will become the basis for a new long range preventative maintenance and capital plan for the structure; however, several building systems now appear to be in jeopardy of imminent failure.

Impact of Denial/Postponement: To deny or postpone funding of this capital project will have adverse operational, maintenance and passenger, tenant and employee quality of life consequences with regard to airport operations and maintenance. The lack of certain amenities may have future negative revenue generation impacts.

Project Cost Estimates: Construction: \$200,000

Project Estimated Completion Date: 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$200,000	Project Design and Construction
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Source of Funding: For FAA and MassDOT eligible issues, reimbursable funding from FAA (90%), MassDOT Aeronautics (7.5%) and local share (2.5%); potential increase in Passenger Facility Charges (PFCs). MassDOT ASMP program grants would be 80% reimbursable. For ineligible items, full cost would be born by the Airport Enterprise Fund Reserves.

Operating Budget Impact: New fixed systems combined with reduced utility costs.

Supplemental Information: The funds in FY2014 are planned to design a new baggage carousel (\$35,000) and design and construct a secure passenger arrival gate canopy (\$50,000), radiant heat at

the exterior baggage canopy (\$12,000), a new Flight Information Display system (\$40,000), and a new lighting control system to reduce lighting costs (\$25,000).

PROJECT: AIR-14 -8	DEPARTMENT PRIORITY: 8 of 20
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Project Working Title: **INSTALL ENHANCED AIRFIELD ACCESS CONTROL AND SECURITY UPGRADES**

Project Location: 480 Barnstable Road, Hyannis

Project Description: The Barnstable Municipal Airport has a security program approved by the Transportation Security Administration (TSA) under Part 1542 of 49CFR Chapter XII; and as such is required to provide approved airport security measures over designated portions of the airport including the airport perimeter; in areas where passengers are enplaned or deplaned; where baggage is sorted, loaded and unloaded; and includes any adjacent areas that are not separated by other adequate security measures. Access to all entry control points to all of the aforementioned areas must be controlled by approved access control systems of various degrees of technology, including computer based software and hardware systems, fiber optic cables, remote transmitters, special locks and surveillance systems, and the use of trained, qualified, and certified personnel.

Project Justification: The Barnstable Municipal Airport (BMA) needs to upgrade such access control security measures throughout the airport to provide consistent standardized high quality systems; and to prevent breaches of security. In addition, all airport personnel are trained to monitor all aspects of airport security, including the use of the Barnstable Police Department on the airfield, and random inspections by TSA Inspectors. We are constantly upgrading systems to improve security and meet reporting requirements of the TSA. Violations of any aspect of the airport security plan are reported immediately to the TSA and may have impact on the National Airspace System. Particular details cannot be stated herein due to its designation as Sensitive Security Information (SSI).

Impact Of Denial/Postponement: Airport security may be breached and have a negative impact on the National Airspace System; may provide opportunities for terrorism incidents; and may lead to fines being imposed on the Airport or any entity found responsible for a breach in security.

Project Cost Estimates: Design and Construction: \$90,000

Project Estimated Completion Date: 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$90,000	Design and construct
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Source of Funding: Airport enterprise funds – no grant funding available.

Operating Budget Impact: None

PROJECT: AIR-14 -9	DEPARTMENT PRIORITY: 9 of 20
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Project Working Title: **DESIGN AND REPLACE EAST RAMP T-HANGAR ROOF**

Project Location: 480 Barnstable Road, Hyannis

Project Description: Design and replace the roof on the circa 1960's era East Ramp T-Hangar that has reached the end of its useful life. The existing metal roof continues to rapidly deteriorate with numerous leaks throughout the building that are patched as needed.

Project Justification: The East Ramp T-Hangar, despite its age, provides the only Airport-owned hangar spaces to accommodate the needs of general aviation at the Barnstable Municipal Airport. In addition, the BMA maintains a waiting list for T-hangar space that fluctuates between 25 and 27 aircraft owners waiting for space, and projections for the future of General Aviation at the BMA forecasts an additional demand for hangar space. Revenues generated by the continued rental of the bays will help offset costs of construction and maintenance.

Impact of Denial/Postponement: Impact of denial will allow hangar to continue to deteriorate with resultant loss of viable rental space. This will further decrease potential BMA revenues, and will prevent the BMA from meeting the demands of airport users.

Project Cost Estimates: Future 2015 Design: \$7,500 Construction: \$67,500

Project Estimated Completion Date: 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$75,000	Design and Reconstruct

Source of Funding: Airport Enterprise Funds – 100%. Not eligible for MassDOT AD ASMP funding assistance.

Operating Budget Impact: Increased revenue

PROJECT: AIR-14 -10	DEPARTMENT PRIORITY: 10 of 20
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Project Working Title: FEDERAL AVIATION ADMINISTRATION (FAA) FEDERAL AVIATION REGULATION (FAR) PART 150 NOISE EXPOSURE MAP UPDATE

Project Location: 480 Barnstable Road, Hyannis

Project Description: This project would update the original 1987 FAA FAR Part 150 noise compatibility study and noise exposure maps approved by the FAA in 1989; and it would update the Barnstable Municipal Airport (BMA) Noise Studies conducted in 1998/99.

Project Justification: The goal of the Barnstable Municipal Airport (BMA) noise mitigation program is to minimize the environmental impact of noise from airport operations, increasing the degree of compatibility between the airport and its neighbors through implementation of noise and land use mitigation measures that are practical for use consistent with the well being of the inhabitants of this region. The noise exposure maps will provide current “average day-night noise exposure” contours (Ldn) which can also be used for approved FAA noise mitigation measures if applicable, and as a guide for present and future land use planning. This project will help the BMA meet these goals and will provide an updated factual basis for discussions regarding noise exposures; it will focus on practical options to address issues of primary concern; and it will include public involvement. These recommended “voluntary” noise studies are the most likely to receive FAA approval for cost sharing.

Impact of Denial/Postponement: To deny or postpone funding of this capital project, noise complaints will continue, and the BMA will be seen as unresponsive to the inhabitants of the region. In addition, the BMA will have missed an opportunity to fine tune voluntary flight paths, and other noise reduction and flight safety measures.

Project Cost Estimates: Future 2015 Construction: \$80,000

Project Estimated Completion Date: 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$	
2015	\$80,000	Complete Noise Exposure Mapping

Source of Funding: Funding by FAA (90%), MassDOT AD (5%), and local share (5%) from airport enterprise funds.

Operating Budget Impact: None

PROJECT: AIR-14 -11	DEPARTMENT PRIORITY: 11 of 20
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Project Working Title: DESIGN AND CONSTRUCT NEW T-HANGAR
Project Location: 480 Barnstable Road, Hyannis

Project Description: Design and construct a new 6-bay nested T-hangar to provide additional hangar space to accommodate the needs of general aviation at the Barnstable Municipal Airport (BMA). The T-hangar would be constructed of metal with a concrete foundation and with bi-fold doors for aircraft access to the east ramp.

Project Justification: The recently completed Airport access road and the construction of the new fuel farm mandated the demolition of one of the two airports existing T-hangars, located adjacent to Gate Foxtrot. Since this T-hangar serviced Airport users that had to be displaced, the Airport desires to construct a new T-hangar on the East ramp to accommodate this loss of space. In addition, the BMA holds a waiting list for T-hangar space that fluctuates between 25 and 27 aircraft owners waiting for space, and projections for the future of General Aviation at the BMA forecasts an additional demand for hangar space. Revenues generated by the rental of the bays will help offset costs of construction and maintenance.

Impact of Denial/Postponement: Impact of denial will further decrease potential BMA revenues, and will prevent the BMA from meeting the demands of airport users for hangar space.

Project Cost Estimates: Future 2015 Design: \$50,000 Construction: \$600,000

Project Estimated Completion Date: 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$	
2015	\$650,000	Design and Construct

Source of Funding: Airport Enterprise Funds (20%) and reimbursable funding by MassDOT AD (80%)

Operating Budget Impact: None – replaces prior deteriorating facility that was demolished

Project Working Title: DESIGN AND REPLACE AIRFIELD VAULT EMERGENCY GENERATOR (100KW) AND REMOVE UNDERGROUND STORAGE TANK (UST)

Project Location: 480 Barnstable Road, Hyannis

Project Description: Replace the existing circa 1990 100KW diesel generator and its associated 550 gallon underground storage tank (UST); and replace it with a new natural gas 100KW generator for the emergency operation of the airfield lighting vault located near Gate Papa on the East Ramp.

Project Justification: The existing 100KW diesel generator and its associated 550 gallon UST are due for replacement. The reinforced double wall steel UST is inspected as required, meets all current code requirements, and uses interstitial monitoring; however its location on the East Ramp warrants its removal in the near future, in keeping with the Airport's desire to remove all potential environmental threats in so far as is feasible on the East side of the airport to reduce the potential threat of ground water pollution.

Impact of Denial/Postponement: Denial or Postponement will place our emergency operation of airfield lighting at risk, with concurrent risk to safety of flight and potential loss of life and property damage. Denial or postponement also increases the potential risk of a diesel oil leak and threat of ground water pollution.

Project Cost Estimates: Future 2016 Design: \$5,000 Construction: \$55,000

Project Estimated Completion Date: 2016

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$60,000	Design and Replace

Source of Funding: Airport Enterprise Funds (100%) - Not eligible for MassDOT AD ASMP Program.

Operating Budget Impact: None – replaces existing fixed facility

Project Working Title: REPLACE SNOW REMOVAL EQUIPMENT (SRE) AND AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) EQUIPMENT

Project Location: 480 Barnstable Road, Hyannis

Project Description: Snow Removal Equipment (SRE) and Aircraft Rescue and Fire Fighting (ARFF) equipment must be maintained regularly and when certain FAA approved equipment is eligible for replacement with FAA grant assistance, SRE and ARFF vehicles and equipment must be evaluated and replaced as necessary.

Project Justification: With approximately 1.5 million square feet of pavement, that includes two active runways, several aircraft taxiways and aircraft parking ramps that must be maintained, including snow removal; and to maintain our FAA FAR Part 139 airport certification, certain equipment must be available and in good condition to perform as required.

Work Accomplished Prior Project: FY2011 Acquisition/project was cancelled due to funding constraints. Replacement airfield sweeper was acquired in FY2012.

Impact Of Denial/Postponement: The airport may not be able to meet mandated FAA FAR Part 139 certification requirements and would be decertified; the airport would not be able to maintain operations, nor remove snow in order to keep the runways open and safe for operation; the airport would be unable to provide a safe operation for the continuation of commerce as part of the national airspace plan; the airport would be unable to respond to airfield emergencies, with the potential for decreased flight safety, increased property damage, and would unnecessarily endanger lives and property.

Project Cost Estimates: Future 2016 Construction: \$730,000

Project Estimated Completion Date: 2016

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$730,000	Replace 1992 Heavy Duty ARFF Vehicle Replace 1981 Loader with 36 ft Plow

Source of Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; BMA at 5%

Operating Budget Impact: None – replace existing heavy duty ARFF/SRE equipment

PROJECT: AIR-14 -14	DEPARTMENT PRIORITY: 14 of 20
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Project Working Title: RUNWAY 15-33 AND TAXIWAY ECHO MAJOR RECONSTRUCTION
Project Location: 480 Barnstable Road, Hyannis, MA 02601

Project Description: Runway 15-33 (circa 1985) and Taxiway Echo (circa 1980) have exceeded their pavement’s 20-year design life and will, therefore, be programmed by the FAA and State for a full reconstruction. This project will include the design and reconstruction of the full length (5,252 feet) of the runway, in place, including in-pavement lighting and edge lights, and will extend the design life of the pavement for another two decades, and the reconstruction of adjacent Taxiway Echo, and other miscellaneous related airfield improvements.

Project Justification: Runway pavements are given a 20-year useful life by the FAA, after which time a major reconstruction is justified. Runway 15-33 has exceeded the end of its useful life and is scheduled for a rebuild. This will avoid hazards to flight safety from failing pavement, aircraft damage, or a closed runway that would create winter crosswind conditions on the remaining runway. Crack sealing and crack repairs have extended its useful life until now but further deterioration poses serious safety risks that must be addressed.

Impact of Denial/Postponement: To deny or postpone funding of this capital project will have flight safety consequences with regard to airport operations; and will increasingly affect the ability of pilots to operate on the runway, perform aircraft engine run-ups, and with potential loss of runway access during strong crosswinds and lessened flight safety.

Project Cost Estimates: Future 2017 Design: \$400,000 Construction: \$4,600,000

Project Estimated Completion Date: 2017

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$0	
2017	\$5,000,000	Design, Permitting, and Reconstruction

Source of Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact: None – replaces existing runway and taxiway

PROJECT: AIR-14 -15	DEPARTMENT PRIORITY: 15 of 20
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Project Working Title: DESIGN AND RECONSTRUCT TAXIWAY CHARLIE
Project Location: 480 Barnstable Road, Hyannis

Project Description: As part of the Federal Aviation Administration’s (FAA) goals to improve and correct airport layout deficiencies, enhance aircraft safety, and insure compliance with regulatory guidance, this project serves to correct major operational aircraft ground and runway safety area (RSA) deficiencies associated with taxiway Charlie and its aircraft run-up area.

Project Justification: The reconstruction project will allow taxiway Charlie and the aircraft run-up area to be designed and constructed to comply with ongoing FAA safety area standards, and correct deficiencies within the runway approach and departure environment, including other miscellaneous related airfield improvements. The current design and operation of taxiway Charlie and the aircraft run-up area must be completed in order to comply with FAA Part 77 airspace restrictions and terminal instrument procedures (TERPS) criteria. New FAA guidance has mandated the required changes.

Impact of Denial/Postponement: Denial of postponement of this project will cause the airport to be non-compliant with FAA airport design and layout criteria. In addition, failure to comply and complete this project puts the airport in jeopardy for non-receipt of additional federal Airport Improvement Program (AIP) entitlement funds for airport capital improvements.

Project Cost Estimates: Future 2017 Design: \$200,000 Construction: \$2,300,000

Project Estimated Completion Date: 2017

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$0	
2017	\$2,500,000	Permit, Design and Construct

Source of Funding: Reimbursable Funding by FAA (AIP and Discretionary 90%), MassDOT AD (5%), and local share (5%) airport enterprise funds.

Operating Budget Impact: Reduced maintenance

Project Working Title: PERMITTING, DESIGN, RECONSTRUCTION OF THE EAST RAMP AND TAXIWAYS BRAVO AND DELTA

Project Location: 480 Barnstable Road, Hyannis

Project Description: The Airport's East Ramp off the old Mary Dunn Way will require future reconstruction and expansion to meet future general aviation and corporate aircraft parking needs. This project will rebuild and expand the existing East Ramp, providing adequate space for the safe maneuvering and parking of the larger-wingspan corporate jets that make up the fleet that has begun using the airport. This project is incorporated in the FAA approved ALP and is included in the Draft Airport Master Plan, EIR and Development Agreement with the Town and the Cape Cod Commission. Taxiways Bravo and Delta serve airport operations in accessing and egressing the runway and ramp system. The portions of taxiways B and D adjacent to the east ramp are more than 25 years old; typical pavement life is 20 years, and these areas are in serious need of repair. Many existing stresses on the pavement, such as a greater influx of heavier jet aircraft, and given the current level of deterioration, pose serious foreign object debris (FOD) damage to operating aircraft engines. In order to prevent FOD and provide a safe aircraft operating area, the East Ramp and Taxiways B and the D stub must be totally reconstructed, and will include miscellaneous associated airfield improvements.

Project Justification: The ramp will also require expansion to provide safe maneuvering space and adequate parking area for the larger-wingspan corporate aircraft that have become more frequent users of the airport. Given the level of deterioration and age of the pavement, a major rehab is needed in order to preserve safe aircraft operations. The pavement is inadequately designed for the weight-bearing capacity of larger private, military and corporate jet aircraft using the East ramp parking area. Taxiways Bravo and Delta, which access the East ramp, are the same age and show severe cracking and deterioration. All of these areas are being maintained on a regular basis, but the continual deterioration poses a serious FOD damage threat to aircraft engines, and could result in serious injury or death to personnel; and the potential for taxiway closure and loss of use due to structural taxiway damage.

Impact of Denial/Postponement: A postponement of future funding for this capital project will have flight safety consequences with regard to airport operations; and will adversely affect the ability of pilots to prevent avoidable on-airport taxiing collisions with resultant significant aircraft damage and potential injuries.

Project Cost Estimates: Future FY2016 Design: \$600,000
Future FY2018 Construction: \$4,000,000

Project Estimated Completion Date: 2018

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$600,000	Permitting and Design
2017	\$0	
2018	\$4,000,000	Construction

Source of Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact: Reduced routine maintenance

Project Working Title: RUNWAY 6-24 MAJOR RECONSTRUCTION
Project Location: 480 Barnstable Road, Hyannis

Project Description: Runway 6-24 has exceeded its pavement’s 20-year (circa 1991) design life and will, therefore, be programmed by the FAA and State for a full reconstruction. This project will include the design and reconstruction of the full length (5,425 feet) of the runway, in place, including in-pavement lighting and edge lights, and will extend the design life of the pavement for another two decades, and will also include other miscellaneous related airfield improvements.

Project Justification: Runway pavements are given a 20-year useful life by the FAA, after which time a major reconstruction is justified. Runway 6-24 will have exceeded its useful life by 2017, at which time it is scheduled for a rebuild. This will avoid hazards to flight safety from failing pavement, and potential aircraft damage.

Impact of Denial/Postponement: To deny or postpone funding of this capital project will have flight safety consequences with regard to airport operations; and will increasingly affect the ability of pilots to operate on the runway, due to the potential for aircraft damage and lessened flight safety.

Project Cost Estimates: Future FY2017 Design: \$400,000 Construction: \$4,600,000

Project Estimated Completion Date: 2017

Project Cost/Description FY 2014 and Follow-On Years

2014	\$0	
2015	\$0	
2016	\$0	
2017	\$5,000,000	Design, Permitting, Construction

Source of Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact: Reduced routine maintenance

Project Working Title: LAND ACQUISITION FOR RW33 RUNWAY SAFETY AREA/PROTECTION ZONE (RSA/RPZ)
Project Location: 480 Barnstable Road, Hyannis

Project Description: The Airport and Town relocated Mary Dunn Way several years ago to enlarge the Runway Safety Area (RSA) at the end of Runway 33, per FAA’s safety standards. Several parcels remain within the Safety Area, and the adjacent Runway Protection Zone (RPZ), which conflict with FAA’s safety standards. The Airport proposes to acquire these parcels which are incompatible land uses that pose a risk to aviation safety and a hazard to the flying public.

Project Justification: Several gas station and fuel storage parcels create incompatible land uses and hazards to aviation safety, as well as the safety of the public, due to their location within the RSA and RPZ at the end of Runway 33. The Airport proposes to acquire these parcels for open space protection within the RSA and RPZ, thereby enhancing public safety and complying with FAA’s standards for compatible land use and RSA protection.

Impact of Denial/Postponement: To postpone funding of this capital project will continue the risk to public safety as a consequence of any aircraft overrun or undershoot that may impact one of the adjacent, incompatible land uses. An aircraft collision with any of the fuel storage facilities within the RSA or RPZ would have the potential for loss of life and significant injuries.

Project Cost Estimates: Future FY2017 Construction: \$2,500,000

Project Estimated Completion Date: 2017

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$0	
2017	\$2,500,000	Land Acquisition

Source of Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact: None

PROJECT: AIR-14 -19	DEPARTMENT PRIORITY: 19 of 20
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Project Working Title: DESIGN AND CONSTRUCT NEW EXTENDED AND RELOCATED TAXIWAYS BRAVO AND BRAVO ONE

Project Location: 480 Barnstable Road, Hyannis

Project Description: The extended and relocated Taxiways Bravo and Bravo One serve airport operations in accessing and egressing the runway and ramp system. To maintain safety for both aircraft and passengers, the taxiways must be extended and maintained to be in compliance with airport design criteria. Taxiways B and B1 will connect the new expanded and relocated East Ramp to the end of Runway 6.

Project Justification: This construction project for the new and relocated Taxiways B and B1 is the final step in a multi-year process to modify the East Ramp and its associated taxiways to bring it into compliance with FAA airport design criteria; and to meet the requirements of the Airport Layout Plan, the 2010 Draft Airport Master Plan, Development of Regional Impact, EIR and Development Agreement for the future development of the East Ramp.

Impact of Denial/Postponement: Denial or postponement of funding for this project will negatively affect aircraft and airport operations for the future development of the East Ramp, and the airport will not be in compliance with FAA airport design criteria.

Project Cost Estimates: Future FY2018 Design: \$280,000 Construction: \$3,220,000

Project Estimated Completion Date: 2018

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0
2015	\$0
2016	\$0
2017	\$0

2018

\$3,500,000

Permitting, Design and Construction

Source of Funding: FAA share: 90%, MassDOT AD share: 5% and Airport share: 5%.

Operating Budget Impact: None – new taxiways will be maintained with existing resources

PROJECT: AIR-14 -20	DEPARTMENT PRIORITY: 20 of 20
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Project Working Title: AIRPORT FAA MASTER PLAN UPDATE AND UTILITIES GIS SURVEY
Project Location: 480 Barnstable Road, Hyannis

Project Description: The Airport’s required FAA Master Plan (per FAA Advisory Circular AC150/5070-6B) is a comprehensive long-term plan for the airport development that should be revisited and updated periodically, and upon completion of the Town and Cape Cod Commission mandated Master Plan and Development Agreement process. In addition, this planning process will be done in concert with the Airport’s utilities infrastructure systems plan that will incorporate all utilities that were originally built in the 1940’s and have been upgraded multiple times over the subsequent decades. There is a need to collate all historic construction and engineering data into a comprehensive data base, with controlled GIS surveys of above and below-ground systems. This project will include the survey and data collection of all runway, taxiway, apron and airfield utilities, including landside utilities for all buildings, parking facilities, and access roads onto a comprehensive GIS database, compatible with FAA and Town needs.

Project Justification: The present Master Plan does not appear to be complete and should be completed to bring the Airport into full FAA compliance. The Airport Layout Plan and other required portions of the Plan are kept up-to-date, however, a comprehensive plan does not appear to have been brought up to date for many years. The utility systems are not adequately researched or surveyed, which leads to accidental utility damage despite efforts to adequately identify and locate them prior to any construction. This project will reduce hazards and risks during reconstruction of airport projects, and reduce engineering and potential repair costs in the future.

Impact of Denial/Postponement: To deny or postpone funding of this capital project will not allow the Airport to be in full compliance with FAA directives that may have long term financial consequences; and the lack of a utilities plan will have safety consequences with regard to airport operations.

Project Cost Estimates: Future 2018: Update & Survey \$800,000

Project Estimated Completion Date: 2018

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$0	
2017	\$0	
2018	\$800,000	Project Completion

Source of Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact: none determined at this time

Supplemental Information: (1) A.O. #2011-078 for the completion of a property line and leasehold survey is ongoing and will form an integral part of the FAA Master Plan; the updated Airport Layout Plans have incorporated ongoing property acquisitions, and the results of the Cape Cod Commission Development of Regional Impact; and the recently completed EIR and the new Master Plan and Development Agreement will also form a part of the new FAA Master Plan. (2) During the recent airport improvement projects, undetected and unknown utility lines and FAA telecommunications and airport aids to navigation lines were discovered after the commencement of construction that caused costly delays and emergency repairs in the interests of safety. This is a continuing problem with almost every construction project at the airport. This project will identify these utilities and telecommunication lines in advance as a preventative measure.

2. HYANNIS YOUTH AND COMMUNITY CENTER

PROJECT: CS-14 -01 (HYCC)	DEPARTMENT PRIORITY: 1 of 1
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Project Working Title: HYCC MECHANICAL UPGRADES
Project Location: Hyannis

Project Description: The proposed project includes the study of the existing HVAC system for the core areas of the building, engineering design, contract administration, and project management services for improvements to the existing HVAC system.

Project Justification: The central core of building is fed off of one system without reheat units and temperature controls for a diverse number of spaces of varying occupancies. This diversity on one system allows for one temperature throughout, thus some areas are hot while others are cold. This is complicated by having cold ice rinks on two sides. The electrical system is maxed out so a gas fired system would be less expensive to employ.

Project Cost Estimates: Future FY 15 Evaluate and Design: \$36,200

Project Estimated Completion Date: July, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$ 36,200	Evaluate and Design
2016	\$184,400	Construct

Source of Funding: Enterprise Reserves

Operating Budget Impact: None at this time

3. SOLID WASTE ENTERPRISE FUND

PROJECT: DPW-14 -01 (SOLID WASTE)	DEPARTMENT PRIORITY: 1 of 2
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Project Working Title: REAR LOADER TRASH TRUCK
Project Location: 45 Flint St. Marstons Mills.

Project Description: Purchase one rear loading packer truck, which services municipal buildings, beaches, docks, parking lots, etc.

Project Justification: The existing packer truck was purchased in 2003 and is entering into its tenth year of operation. The vehicle has had a history of repetitive mechanical problems. It is recommended that the vehicle be replaced rather than continue to repair the vehicle.

Impact of Denial/Postponement: Continued expenditure of operating funds for excessive maintenance on a vehicle at the end of its useful life. When the vehicle is out of service the division is required to rent a packer truck at a cost of \$600 per day. To date FY 2013, Solid Waste Division has incurred \$12,000 in rental cost for said services.

Project Cost Estimates: Purchase \$225,000

Project Estimated Completion Date: 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 225,000	Purchase new packer truck
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Source of Funding: Solid Waste Enterprise Account

Operating Budget Impact: Reduced maintenance



Current Town Packer Truck

PROJECT: DPW-14 -02 (SOLID WASTE)

DEPARTMENT PRIORITY: 2 of 2

Project Working Title: CONTAINER ROLL-OFF TRUCK

Project Location: 45 Flint St. Marstons Mills

Project Description: Purchase one roll off truck to replace one that is used to transport containers on and off site.

Project Justification: The existing roll-off truck was purchased in 1992 and can no longer perform its basic function in a safe or efficient manner.

Impact of Denial/Postponement: The vehicle is rapidly approaching mechanical failure resulting in interruption of service to our customers and additional operating costs for a leased vehicle.

Project Cost Estimates: Purchase \$190,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$190,000	Purchase a new roll-off truck
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Source of Funding: Solid Waste Enterprise Account

Operating Budget Impact: Reliability and lower maintenance costs.



Current Town Roll-off truck

4. WATER SUPPLY ENTERPRISE FUND

PROJECT: DPW-14 -01 (WATER SUPPLY)	DEPARTMENT PRIORITY: 1 of 5
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Project Working Title: PIPE REPLACEMENT AND UPGRADE PROGRAM
Project Location: The drinking water distribution system for Hyannis, Hyannis Port and West Hyannis Port.

Project Description: This 30-year phased improvement program is a continuous pipe replacement and upgrade program for the Hyannis Water System as recommended by Weston & Sampson Engineering, Inc. in their April 2007 Master Plan. It is appropriate to implement a structured program to replace and upgrade the water pipes in the distribution system, some of which are over 100 years old. This program is in addition to the routine maintenance and repair program to be performed by the contracted water system operator. The proposed capital budget for this pipe replacement and upgrade program is \$1,050,000 per year; and includes a capitolly funded water works project manager, to oversee and implement this program in coordination with the Town roads program and other public utilities.

Project Justification: This project would ensure the long term ability and viability of the Hyannis Water System to provide sufficient drinking water and fire readiness protection for all of our customers.

Impact of Denial/Postponement: Water distribution capacity will continue to be less reliable over time, limiting water supply availability for existing customers, new growth, and during emergencies.

Project Cost Estimates: Design \$ 150,000 Construction \$ 900,000

Project Estimated Completion Date: Continuing annual project

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$1,050,000	Design/Construction
2015	\$1,050,000	Design/Construction
2016	\$1,050,000	Design/Construction
2017	\$1,050,000	Design/Construction
2018	\$1,050,000	Design/Construction

Source of Funding: Water Supply Enterprise Account, User Fees, Borrow.

Operating Budget Impact: Elimination of water frequent waterline breaks.



Installing new water pipes

PROJECT: DPW-14 -02 (WATER SUPPLY)

DEPARTMENT PRIORITY: 2 of 5

Project Working Title: WATER SUPPLY WELLS, PUMP STATION AND TREATMENT PLANT REPAIR AND UPGRADE PROGRAM

Project Location: Existing wells, pumping stations, treatment plants and all other appurtenances

Project Description: This capital improvement program is a continuation of the repairs and upgrades commenced in FY2007. With the exception of the Straightway well #2, all of the wells were constructed in the early to mid- 1970's. The prior year's monies were used to install emergency generators, lighting, fencing and pavement improvements. Starting in FY14, the Hyannis Water Board approved the recommendation to implement a structured rehabilitation program dealing with major facility components needing upgrades or replacements. These facility components are; buildings, process control equipment, safety & security, and electrical equipment. Project management and oversight will be provided by a Junior Engineer, partially funded out of this program.

Project Justification: It is appropriate to implement a structured program to repair and upgrade the wells, many of which are approximately 40 years old. This program is in addition to, and may supplement, the routine maintenance program to be performed by the contracted water system operator.

Impact of Denial/Postponement: Water pumping capacity will continue to be less reliable over time, limiting water supply availability for existing customers, economic growth, and during emergencies.

Project Cost Estimates: Design \$ 20,000 Construction \$ 180,000

Project Estimated Completion Date: Continuing annual program

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$200,000	Design/Construction
2015	\$200,000	Design/Construction
2016	\$200,000	Design/Construction
2017	\$200,000	Design/Construction
2018	\$200,000	Design/Construction

Source of Funding: Water Supply Enterprise Account, User fees.

Operating Budget Impact: Reduction in routine repair costs.

PROJECT: DPW-14 -03 (WATER SUPPLY)

DEPARTMENT PRIORITY: 3 of 5

Project Working Title: **NEW WELL EXPLORATION PROGRAM**

Project Location: All land currently under ownership and control of the Water Supply Division for the Hyannis Water System.

Project Description: To evaluate the possibility of permitting, designing and constructing two or more new wells for the Hyannis Water System. The new well exploration program is set-up in four phases. The first phase will consist of exploratory test wells, environmental notifications, evaluations and recommendations. The second phase will deal with DEP new source approvals.

Project Justification: The need for this program became more urgent since the preliminary water quality study results became known. Three (3) of our eleven (11) wells do have water quality issues with iron and manganese that can't be addressed with our current sequestering treatment. The Mary Dunn 4 well is under the influence of surface water and can't be used. This means that 4 out of 11 wells should be replaced or treated.

Impact of Denial/Postponement: The ability to provide the rate payers of the Hyannis Water System with the highest possible water quality will continue to deteriorate and the redundancy of water pumping capacity will diminish.

Project Cost Estimates: Design \$489,500

Project Estimated Completion Date: FY 2020

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 489,500	Exploratory test wells, recommendations, environmental notifications
2015	\$ 583,000	DEP New source approval process, 8" test wells, pumping tests
2016	\$ 555,500	Design & permitting for construction, MEPA process, reviews
2017	\$2,000,000	Well A. Construction, testing, commissioning
2018	\$ 32,745	Well A. Project management funding
2019	\$2,000,000	Well B. Construction, testing, commissioning
2020	\$ 34,067	Well B. Project management funding

Source of Funding: Water Supply Enterprise Account, User fees, borrow.

Project Working Title: MAHER TREATMENT PLANT, AIR-STRIPPER UPGRADES
Project Location: Maher Treatment Plant, 47 Old Yarmouth Road, Hyannis

Project Description: To finalize the needed upgrades for the air-stripper at the Maher drinking water treatment plant. The air-stripper removes low levels of volatile organic compounds out of the well water. It was installed in 1990. In 2009, the Haley & Ward Engineering firm did an inspection and recommended a series of repairs and improvements with a time table. In FY2010, a portion of the improvements were accomplished and during FY2011, emergency repairs dealt with the media replacement. This capital request will accomplish the remaining outstanding items, like the distributor tray and demister, tower sump, air blower and carbon filter system.

Project Justification: The proper maintenance and repair of this equipment is critical to insure the safety and reliability of the water treatment plant. The Maher Water Treatment Plant currently produces between 40% and 70% of the Hyannis Water System’s drinking water. Without the air-stripper we can not run the plant.

Impact of Denial/Postponement: The Maher Water Treatment Plant currently produces between 40% and 70% of the Hyannis Water System’s drinking water. Without the air-stripper the plant can not run.

Project Cost Estimates: Design \$25,000 Construction \$275,000

Project Estimated Completion Date: May 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$300,000	Design/Construction
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Source of Funding: Water Supply Enterprise Fund, User fees, Borrow

Operating Budget Impact:

Expenses:

2014	\$0
2015	\$18,750
2016	\$18,750
2017	\$18,750
2018	\$18,750



Maher Treatment Plant

Project Working Title: CONSTRUCTION OF THE WATER MAIN LOOPING BETWEEN HIGHLAND STREET AND COOK CIRCLE IN HYANNIS.

Project Location: Highland Street and Cook Circle.

Project Description: This water works project will provide for looping the water main from Highland Street to Cook Circle with approximately 2000 feet of new cement lined, ductile iron water main, gates and fire hydrants.

Project Justification: This project was recommended by Weston & Sampson Engineering, Inc. in their April 2007 Master Plan, Table 9-2, phase A-8.

Impact Of Denial/Postponement: Water quality and fire flow capacity will continue to deteriorate over time, impacting and limiting water supply availability for existing customers and during emergencies.

Project Cost Estimates: FY 2014 Design \$ Construction \$540,000

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$540,000	Construction
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Source of Funding: Water Supply Enterprise Fund, User Fees, Borrow

Operating Budget Impact: None identified at this time

5. WASTE WATER ENTERPRISE FUND

Project Working Title: STAFF LOCKER ROOM

Project Location: 617 Bearse's Way, Hyannis, MA

Project Description: Replace the existing Staff Locker Room.

Project Justification: The locker room serves as a changing, showering, lunch and division meeting center. Given the nature of wastewater operations, the staff needs a facility in order to clean up after work. The present locker room is a trailer put into service in the early 1980's and moved in 1997. The trailer is a conglomeration of parts and is of dubious construction. At 25 years old, it is the end of its serviceable life. During the summer of 2010, the entire front exterior wall was replaced, including its siding, plywood, studs, insulation and interior wallboard, all of which had rotted away. See photo below. The main steel I beams supporting the structure were damaged and twisted in the 1997 move and cannot be repaired. Rebuilding on the present frame cannot be done.

Impact of Denial/Postponement: The building will continue to demand expenditures to keep it up. The front wall cost \$5,000 to replace this past summer. The other four walls are in equally bad shape and will cost an estimated \$15-20,000 for repairs. The HVAC system is near failure and would cost \$15,000 for upgrades. The floor joists and sills are rotting. It is speculated that in a good wind storm the building could collapse

Project Cost Estimates: Design \$30,000 Construction \$160,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$190,000 Construct Staff Locker Room

Source of Funding: Wastewater Enterprise Reserve

Operating Budget Impact: Reduction in maintenance and energy costs.



Rot in corner of existing building

PROJECT: DPW-14 -02 (WASTE WATER)	DEPARTMENT PRIORITY: 2 of 6
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Project Working Title: BEARSE'S WAY VACUUM STATION, BACK UP PUMP

Project Location: Bearse's Way vacuum pump station

Project Description: Third pump for Bearse's Way Vacuum Station.

Project Justification: The present pump station is now eight years old and is in good operating order. However there is no back up pump. During peak flows the two pumps, now in operation, are both forced to run together at times to maintain the necessary vacuum. If one vacuum pump should fail a spare pump that is stored on site, would need to be installed. This procedure is problematic to maintain reliable service to the customer base. The Cape Codder, Holiday Inn, Cape Crossroads Condominiums, Christmas Tree complex and Marriott Hotel are all on this system and therefore demand a reliable disposal system.

Impact of Denial/Postponement: Eventually one of the existing vacuum pumps will fail and possibly result in back-up and overflow of raw sewage to homes, businesses, and roadways resulting in a health hazard.

Project Cost Estimates: Construction \$80,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$80,000 Construct third vacuum pump.

Source of Funding: Wastewater Enterprise Reserve

Operating Budget Impact: Insurance in event of failure of existing pump.

PROJECT: DPW-14 -03 (WASTE WATER) DEPARTMENT PRIORITY: 3 of 6

Project Working Title: WALLS AND TANKS, RESURFACE AND PAINTING

Project Location: 617 Bearnse's Way, Hyannis

Project Description: Evaluate Pretreatment building concrete walls and channels. Evaluate the clarifier steel work. Resurface and paint as necessary.

Project Justification: During the plant upgrade, the Pretreatment building walls were briefly evaluated and found to be in fair condition. Previous resurfacing is still in place but will need upgrading. The clarifier steel work and several of the clarifier have moderate to severe rusting. 4 of the 5 clarifiers have been repainted, several twice. However, the rust is prevalent and persistent. Repainting the clarifiers has proved to be a questionable exercise, like car rust, it perseveres. This evaluation would look at alternatives to save the substantial investments in the clarifier steel work.

Work Accomplished Prior Project: During the Facility Upgrade project, the Pretreatment building walls were found to be in fair condition. The building was constructed in 1975. In the 1990's, the walls were sealed with a coating that is still adhering but of unknown sealing and protective condition. The clarifiers, 1980 vintage, have all been repainted and have moderate to severe rusting.

Impact of Denial/Postponement: Loss of present concrete walls and steel work necessitating complete replacement.

Project Cost Estimates: Design: \$50,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$50,000 Design coating protection for walls and tanks
2015 \$200,000 Apply coating protection to walls and tanks

Source of Funding: Wastewater Enterprise Reserve

Operating Budget Impact: Added costs as follows:

		Salary Costs	Benefits	Expenses	Total
2014	¼ person	\$20,000	\$7,000	\$10,000	\$37,000

PROJECT: DPW-14 -04 (WASTE WATER) DEPARTMENT PRIORITY: 4 of 6

Project Working Title: HYANNIS WPCF HYDRAULIC LOAD TESTING

Project Location: Hyannis Water Pollution Control Facility (WPCF).

Project Description: This effort is needed to determine the infiltration capacity of the sand infiltration beds at the Hyannis WPCF

Project Justification: This is a requirement of the Massachusetts Executive office of Energy and Environmental affairs (EOEEA) on the Town's Nutrient Management Planning (NMP) Project as part of that project's regulatory review. This is needed information as the Town decides the needed wastewater facilities at that site.

Work Accomplished Prior Project:

Town-wide Wastewater Facility Planning and Improvements (1990 to 2007):

- Completed Groundwater Conditions Report dated 1993
- Upgraded and expanded Hyannis WPCF
- Expanded and improved wastewater collection system with sewer improvements and extensions, and pump station improvements and new installations
- Ongoing groundwater monitoring as part of Hyannis WPCF operations and discharge permit compliance

Town-wide Nutrient Management Planning (2005 to present):

- Completed two initial reports: Needs Assessment and Alternatives Screening Analysis Reports of the Comprehensive Wastewater Management Plan in 2010

Impact of Denial/Postponement: The impact will be lack of information on how to site new wastewater facilities in Town to address water quality problems identified as part of the Comprehensive Wastewater Management Planning Project. Larger areas will need to be reserved for the sand infiltration beds, and these larger areas will require more flow be sent off site at a greater expense for new facilities.

Project Cost Estimates: \$50,000

Project Estimated Completion Date: September 2013

Project Cost/Description FY 2014:

2014	\$ 50,000	Hydraulic Load Test & Wells
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Source of Funding: General Fund

Operating Budget Impact: This project could save millions of dollars to site new wastewater facilities in Town because it will get better performance out of its existing facilities.

PROJECT: DPW-14 -05 (WASTE WATER)	DEPARTMENT PRIORITY: 5 of 6
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Project Working Title: SEPTAGE BUILDING CAPACITY EVALUATION

Project Location: 617 Barse's Way, Hyannis

Project Description: Evaluate future capacity and operation of the Septage building.

Project Justification: The Septage building was built in 1990 and at the end of its design life. The building processes 11,000,000 gallons of Septage and over 12,000,000 gallons in sludge and greases a year. The mechanical equipment, piping, and structure all need to be assessed for future operations and expected increased flows. The evaluation will also assess the present sludge disposal operation of trucking off site to incineration and other options such as composting. The Town may also wish to include an assessment of regional sludge disposal and garbage co-mingling. This is an evaluation that would lead to a design.

The evaluation would also examine an upgrade to the Septage building rag, rock, grease and grit removal systems. The present system is dangerous and odorous.

Impact of Denial/Postponement: The expansion of the sewer system requires that the Septage building be capable of processing all the Septage and sludge generated in the future so that the building does not become a bottleneck in the future.

Project Cost Estimates: FY 2015 Evaluation: \$100,000

Project Estimated Completion Date: 2018

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$ 100,000	Evaluation Septage building operation
2016	\$ 350,000	Design (speculative)
2017	\$3,500,000	Construct building upgrade (speculative)

Source of Funding: Wastewater Enterprise Reserve

Operating Budget Impact: Revenue and expenses as follows:

Revenue: \$700,000 Septage revenue yearly in the future
Expenses: \$400,000 building operation

FY	No. Positions	Salary Costs	Benefits	Expenses	Total
2014	2	\$150,000	\$50,000	\$200,000	\$400,000
2015	2	\$150,000	\$50,000	\$200,000	\$400,000
2016	2	\$150,000	\$50,000	\$200,000	\$400,000

PROJECT: DPW-14 -06 (WASTE WATER) DEPARTMENT PRIORITY: 6 of 6

Project Working Title: TOTAL ORGANIC CARBON (TOC) AND TOTAL NITROGEN (TN) EFFLUENT EVALUATION

Project Location: 617 Bearse's Way

Project Description: The TOC Effluent Limit is 3 mg/l for groundwater discharge to a Drinking Water Zone II within a 2 year travel to the well(s). TOC is used as an indicator of water quality for pharmaceuticals, personal care products, endocrine disruptors and other emerging contaminants. This project will evaluate and design the upgrading of the Hyannis Water Pollution Control Facility to meet the 3 mg/l TOC limit and TN estuary limit for groundwater discharge.

Project Justification: TOC Effluent Limit of 3 mg/l is a State regulation, at this time not enforced. Presently conservation groups are initiating lawsuits that increase the probability of State enforcement. The Town must be prepared to comply with this State regulation or face costly fines.

Impact of Denial/Postponement: Violation of State regulation and costly fines.

Project Cost Estimates: Design: \$800,000

Project Estimated Completion Date: 2018

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$800,000	Design compliance to 3 mg/l TOC
2016	\$0	
2017	\$10,000,000	Construct TOC removal process at the WPCF

Source of Funding: Wastewater Enterprise Reserve.

Operating Budget Impact: Avoidance of State enforcement action with fines.

B. GENERAL FUND PROJECTS

1. ADMINISTRATIVE SERVICES

PROJECT: ADMIN-14-01 (Assessing)

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: PERMANENT RECORDS ARCHIVE

Project Location: Assessing Office

Project Description: Conversion of current form of permanent historical assessing records dating back to 1861 from microfiche cards and 35mm film to General Code laser fiche format to conform with State law on permanent record keeping.

Project Justification: The Assessing Department is in violation of State law regarding accessibility of permanently kept historical valuation records. Current microfiche records require viewing & printing machine combinations that are obsolete and have been broken for over a year. Repair parts are no longer available and we are unable to access the records for printing at all in the current format, which is forbidden by the Secretary of State's office. Conversion to laser fiche would satisfy the state's permanent record retention requirement and greatly improve the time to search & produce taxpayer requested documents, as required by law. The current data storage medium of 233 rolls of 35 mm film is also degrading and deteriorating to the point of making the records inaccessible and/or unreadable, also a violation of State record keeping law.

Impact Of Denial/Postponement: Lack of conversion results in continued violation of State record-keeping laws and potential lawsuits from public information requests when the Assessing office is unable to produce a copy of a requested record kept in the inaccessible format.

Project Cost Estimates: Contract \$ 90,000 (processing cost)

Project Estimated Completion Date: 3 Months from contract signing

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$90,000	Conversion of microfiche records to laser fiche
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Source of Funding: General Fund

Operating Budget Impact: Machine maintenance & repair is eliminated. General Code Laser fiche is already contracted by the Town for all departments requiring such storage, such as Town Clerk.

PROJECT: ADMIN-14-02 (Information Systems)

DEPARTMENT PRIORITY: 2 of 3

Project Working Title: AERIAL FLYOVER & MAPPING UPDATE

Project Location: Town-wide

Project Description: The purpose of this project is to update the current maps in the Town's Geographic Information System. These GIS "base maps" depict features such as roads, buildings, water bodies, streams, marshes, vegetation, and topography. The maps were originally produced through a process called photogrammetry from aerial photographs taken in 1989. In keeping with a planned update interval of 6-7 years, subsequent aerial flyovers were completed in 1995, 2001, and 2008. The aim of this project for FY 2015 is to conduct an aerial flyover in the spring of 2015 to update features on the GIS base maps. Also as part of this project, new digital aerial photographs

(orthophotos) would be generated from the flyover. New orthophotos would provide an up to date, accurate photographic backdrop for other GIS layers providing a “picture is worth a thousand words” type of enhancement to the GIS.

Project Justification: The last update to the GIS base maps occurred in 2008. As the Town continues to develop and change due to new construction, the GIS maps become more and more outdated. Most Town departments currently use the GIS maps as an aid to their decision making process. As time passes, and the maps become a less accurate representation of reality, the GIS will become a less valuable tool. There will be more risk of making decisions based on outdated information.

At this point, the most practical, cost effective, and accurate method of updating the GIS maps is to conduct an aerial flyover and subsequent photogrammetric mapping.

The GIS maps that would be updated by this project are used by nearly every Town department and division to support the Town’s strategic goals as well as the Town’s daily operational needs. Some specific examples include:

- Maintenance and management of roads including pavement management, transportation planning, parking, and snow & ice removal
- Infrastructure maintenance and management (water supply, sewer, & storm water)
- Management of natural resources and public health issues such as shellfish beds, drinking water supplies, and nutrient management
- Maps to support police and fire department operations
- Maps to support planning and Growth Management issues such as the Growth Incentive Zone, Local Comprehensive Plan, and economic development
- Management of Town properties and facilities such as the Solid Waste Transfer Station, the Water Pollution Control Facility, the Barnstable Municipal Airport, Sandy Neck, and Town Conservation areas
- Maps and analysis to identify potential open space land acquisitions

The GIS maps are also used extensively by outside consultants working on a myriad of Town projects such as the wastewater facilities plan, airport terminal expansion, road reconstruction projects, buildout analyses, etc. The Town saves considerable money on these projects because detailed GIS data are already available to the consultants. The general public also makes use of the GIS maps either through the interactive maps on the Town website or through the GIS office in Town Hall. Public uses of the GIS range from site maps for shed permits, to abutter notification mailing lists, to detailed topographic maps.

Impact of Denial/Postponement: If this project is not funded, Town departments will have to continually verify items on the GIS maps through time consuming field checks. This will result in more time lost in order to ensure that the information is up to date and correct. If the maps are not updated, the GIS will become a less effective aid to decision making and may lead to decisions being based on incorrect information. In summary, any type of analysis using the current information will become more obsolete as time passes. The usefulness of the Town’s investment in GIS will diminish as time progresses.

Project Cost Estimates: FY 2015 Photography, ground survey, aero triangulation and orthophoto production \$100,000. FY 2016 digital map compilation \$208,000.

Project Estimated Completion Date: Spring 2016

Project Cost/Description FY 2013 and Follow-On Years:
2013 \$0

2014	\$0	
2015	\$100,000	Aerial photography, ground control survey, aerotriangulation, orthophoto production
2016	\$108,000	Digital map compilation

Source of Funding: General Fund

Operating Budget Impact: All work will be completed by an outside contractor and funded through the CIP budget. There will be no impact on the operating budget other than the overhead associated with existing town staff managing the project (project management & QA/QC). No additional salary or other operating costs will be incurred by this project and there will be no additional ongoing maintenance costs, etc..

PROJECT: ADMIN-14 -03 (Information Systems)	DEPARTMENT PRIORITY: 3 of 3
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Project Working Title: SUMMER AERIAL FLYOVER OF WATERWAYS
Project Location: Town-wide

Project Description: The purpose of this project is to conduct a summertime aerial flyover to obtain new aerial photographs of the Town's coastal and inland waterways. This project, to occur during the summer of 2015, would produce digital aerial photographs of the Town's northern and southern coastal areas as well as inland lakes and ponds. The purpose is to accurately map the location of marine and natural resource items such as mooring fields, boating channels, buoys, shellfish grants, docks, piers, and floats. The summer time frame is necessary to capture seasonal items such as seasonal docks and mooring fields that are only in place during the summer months. This project was specifically requested by the Harbormaster and Conservation Divisions to assist with their management of coastal waterways and enforcement of dock, pier, and wetland regulations.

Project Justification: The purpose of this project is to provide information tools to enhance the management of our coastal waterways, lakes, ponds, and natural resources. The results of this project would benefit a variety of programs within the Harbormaster, Natural Resource, Conservation, and Engineering divisions. Such programs would include:

- Planning & managing the efficient use of mooring fields
- Management of shellfish resources & aquaculture grants
- Regulation & permitting of docks, piers, & floats
- Enforcement of wetland protection laws
- Planning & management of channel dredging projects
- Inventory of nautical infrastructure (i.e. buoys, beacons, boating channels)
- Management of Sandy Neck
- Monitoring of waterway sedimentation
- Monitoring of shoreline erosion

This project is separate from the *Aerial Flyover & Mapping Update* CIP request. That project must be photographed during a limited timeframe in the early spring – after the snow has melted and before the leaves have appeared on trees. This is to maximize the visibility of features on the ground such as roads and buildings. A flyover of coastal and inland waterways must occur during the summer months when seasonal docks and floats are in place and mooring fields are utilized. In addition, the waterway flyover must occur in the early morning hours to minimize sun glare on the water surface. This same early morning time frame is not suitable for the *Aerial Flyover & Mapping Update* project – it would cause too many shadows obscuring features on the ground. In addition, the Summer Aerial Flyover must have strict limitations on tidal and wind / wave conditions in order to maximize visibility of waterways. Due to the unique constraints of each of the two projects, they cannot be combined into a single flyover.

Impact of Denial/Postponement: If this request is not funded, the Harbormaster, Natural Resources, Conservation, and Engineering Divisions will have to rely on outdated information for managing our waterways and natural resources. Since the last waterways flyover there has been significant change to our coastal resources. Shorelines and channels have shifted, new docks and piers have been constructed, aquaculture grants have been modified, and channels have been dredged. It is important to keep up with such changes and to provide current and accurate information for the management of the Town's coastal and inland waterways.

Project Estimated Completion Date: Spring 2016

Cost/Description FY 2013 and Follow-On Years:

2013	\$0	
2014	\$0	
2015	\$0	
2016	\$86,500	Aerial photography, aero triangulation, and orthophoto production

Source of Funding: General Fund

Operating Budget Impact: All work will be completed by an outside contractor and funded through the CIP budget. There will be no impact on the operating budget other than the overhead associated with existing town staff managing the project (project management & QA/QC). No additional salary or other operating costs will be incurred by this project and there will be no additional ongoing maintenance costs, etc

2. COMMUNITY SERVICES

PROJECT: CS-14 -01 (Recreation)	DEPARTMENT PRIORITY: 1 of 16
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Project Working Title: BEACH HOUSE RENOVATIONS

Project Location: Various Town Beaches

Project Description: This project would fund the improvements at several of our Beach Houses. This multi-year project is a continuation of our beach program to keep our bath houses updated on the interior & exterior, and be fully operational. These funds would provide for planning, design and renovation/construction as identified hereinafter:

- Craigville Beach House
- Covell's Beach House
- Osterville Beach House
- Pavilion at Kalmus Beach House
- Loops Beach House
- Joshua's Pond Bath House Site Improvements

Project Justification: These buildings have been patched, repaired and painted but heavier renovations are now necessary. The beach houses are in need of new fixtures and service systems throughout with regards to plumbing, electrical and air-handling equipment as well as structural: walls, ceilings and floors renovations. It is not solely cosmetic; many of the needs are safety related. In some cases, it is recommended that the structure be demolished and replaced with a new facility.

Work Accomplished Prior Project: New replacement septic systems have been installed at Joshua's Pond and Hathaway's Pond. Septic systems have been previously replaced at Covell's Beach; a new sewer connection and pumps at Kalmus Beach; and septic system designed at Craigville. The Kalmus pavillion has been repaired with new wood columns.

Impact of Denial/Postponement: Continued deferred maintenance of these facilities will contribute to their deterioration and demand a total and costly replacement.

Project Cost Estimates: Planning and preliminary design: \$115,300

Project Estimated Completion Date: June 2014

Project Cost/Description FY 2014 and Follow-On Years: Costs include pro-rated contingency and project management requirements shown in item 14.

2014	\$ 115,000	Beach House Planning and Craigville Beach House Preliminary design
2015	\$ 345,765	Craigville Beach House final design and permitting
2016	\$3,046,440	Craigville Beach House Construction
2017	\$ 124,000	Osterville Beach House Design + Renovations
2018	\$1,533,800	Design and Construction for Covell's Beach House

Source of Funding: General Fund

Operating Budget Impact: With new construction technology, we will realize continued savings in energy and maintenance costs.

PROJECT: CS-14-02 (Senior Services)

DEPARTMENT PRIORITY: 2 of 16

Project Working Title: BARNSTABLE SENIOR CENTER PARKING LOT EXPANSION

Project Location: 825 Falmouth Road, Hyannis, MA

Project Description: The Senior Center has a very successful program and as such has developed a significant need for additional visitor parking. Project includes; tree clearing, new base and bituminous pavement, Cape Cod berms, site lighting, rain garden, and landscaping.

Project Justification: Currently the size of the existing lot is too small to accommodate the additional parking needed at many of their events.

Work Accomplished Prior Project: Existing lot has been re-striped to allow for more ADA spaces.

Impact of Denial/Postponement: With the increase in participants in Senior Center activities, finding parking is difficult for the elderly citizens. With poor weather conditions and many events occurring in the evening, it is important to have good smooth pavement, adequate parking and lighting so that the liability to the Town is well managed. The costs for bituminous materials continue to rise due to issues with oil. Delay in the project will only result in increased cost

Project Cost Estimates: Design \$35,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 35,000	Design
2015	\$244,000	Construction

Source of Funding: General Fund Other - Donation from Friends of the Senior Center

Operating Budget Impact: New building should be more energy efficient.

Project Working Title: DREDGE EAST BAY ENTRANCE CHANNEL & EAST BAY CHANNEL TO BOAT RAMP**Project Location:** East Bay, Osterville**Project Description:** This project request has two components. The first component requests funding for the dredging, construction and related costs of the East Bay Entrance Channel (new project); the second component requests additional funds needed to dredge the stretch from the East Bay boat ramp to the existing channel.**Project Justification:** The East Bay Entrance Channel is suffering from severe shoaling. It is become more difficult to navigate the channel during mid to low water conditions. The water quality in East Bay and the Centerville River depends on good water inter-change with Nantucket Sound. In addition, the channel from the bay to the boat ramp is currently being permitted and has been funded to dredge so this is the appropriate time to complete the dredging of the East Bay. This corrective work continues to be a high priority to keep navigational water ways accessible.**Impact of Denial/Postponement:** Postponing the project will allow more shoaling to take place in the channel until it becomes impossible to get into or out of East Bay at any water level. The water quality in East Bay and the Centerville River will suffer because the area cannot be adequately flushed with water from the sound.**Project Cost Estimates:** Construction: \$600,000**Project Estimated Completion Date:** May, 2014**Project Cost/Description FY 2014 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2014	\$600,000	Construction & CA

Source of Funding: General Fund**Operating Budget Impact:** Extended useful life of marine equipment.**Project Working Title:** MILLWAY BOAT RAMP DOCK**Project Location:** Millway Road, Barnstable, MA**Project Description:** The Millway boat ramp and dock is extensively used and as such significantly deteriorated and requires replacement.**Project Justification:** Currently several piles are severely decayed, the guard rail is not secure, many planks in a deteriorated condition. The structure has fulfilled its useful life expectancy.**Work Accomplished Prior Project:** The existing ramp is being reconstructed under a prior CIP. Construction is expected to begin in January of 2014**Impact of Denial/Postponement:** Eventual loss of the structure and its usefulness.**Project Cost Estimates:** Design & Permitting: \$23,000 Construction: \$110,000

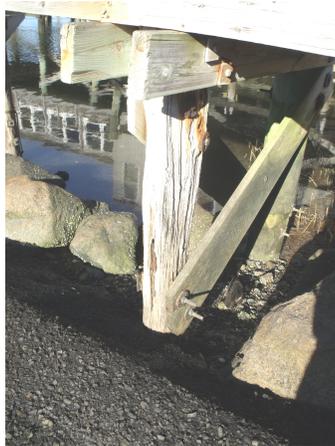
Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2014	\$133,000	Design & Construction

Source of Funding: General Fund Other; Sewer Reserve/User Fee Increase

Operating Budget Impact: Reduction in annual maintenance costs



PROJECT: CS-14 -05 (Recreation)

DEPARTMENT PRIORITY: 5 of 16

Project Working Title: OSTERVILLE TENNIS COURTS

Project Location: Osterville

Project Description: Reconstruction of two tennis courts including: site work prep., sub-grade prep., court re-construction, fencing, and outside perimeter clean-up. The two courts will be regulation in size. The courts will be finished with a high grade seal coat along with the respective markings. The courts will be fenced and the area outside the courts will be landscaped.

Project Justification: The Osterville tennis courts are used often by the general public and the Recreation Division for their youth tennis program. The courts have ruts and cracks throughout the surface that presents difficulty in playing but more importantly, the facility becomes a liability for the Town of Barnstable. The Osterville tennis courts have not received any maintenance for approximately 11 years.

Impact of Denial/Postponement: Failure to fund this Capital Improvement item will result in further problems with the court surface thus presenting a more liable situation for the Town. Also, the Town's Recreation Division will not hold the youth tennis program in the future as we are concerned with safety for the participant.

Project Cost Estimates: Design: \$21,000 Construction: \$164,000

Project Estimated Completion Date: Spring, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014

\$ 185,000

Design and construction

Source of Funding: General Fund

Operating Budget Impact: Newly constructed courts will reduce annual maintenance costs and reduce liabilities.



PROJECT: CS-14 -06 (Recreation)

DEPARTMENT PRIORITY: 6 of 16

Project Working Title: COTUIT TENNIS COURTS
Project Location: Cotuit

Project Description: Reconstruction of two tennis courts including: site work prep., sub-grade prep., court re-construction, fencing, and outside perimeter clean-up. The two courts will be regulation in size. The courts will be finished with a high grade seal coat along with the respective markings. The courts will be fenced and the area outside the courts will be landscaped.

Project Justification: The Cotuit tennis courts are used often by the general public and the Recreation Division for their youth tennis program. The courts have ruts and cracks throughout the surface that presents difficulty in playing but more importantly, the facility becomes a liability for the Town of Barnstable. The Cotuit tennis courts have not received any maintenance for approximately 12 years.

Impact of Denial/Postponement: Failure to fund this Capital Improvement item will result in further problems with the court surface thus presenting a more liable situation for the Town. Also, the Town's Recreation Division will not hold the youth tennis program in the future as we are concerned with safety for the participant.

Project Cost Estimates: Design: \$22,260 Construction: \$155,820

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$ 178,080 Design and construction

Source of Funding: General Fund

Operating Budget Impact: Newly constructed courts will reduce annual maintenance costs and reduce liabilities.



PROJECT: CS-14 -07 (Recreation)

DEPARTMENT PRIORITY: 7 of 16

Project Working Title: BARNSTABLE WEST BARNSTABLE TENNIS COURTS
Project Location: Barnstable West Barnstable

Project Description: Re-Construction of two tennis courts including: site work prep., sub-grade prep., court re-construction, fencing, and outside perimeter clean-up. The two courts will be regulation in size. The courts will be finished with a high grade seal coat along with the respective markings. The courts will be fenced and the area outside the courts will be landscaped.

Project Justification: The Barnstable West Barnstable tennis courts are not used often by the general public and the Recreation Division for their youth tennis program because of the current court condition. The courts have ruts and cracks throughout the surface that presents difficulty in playing but more importantly the facility becomes a liability for the Town of Barnstable. The Barnstable West Barnstable tennis courts have not received any maintenance for approximately 11 years.

Impact of Denial/Postponement: Failure to fund this Capital Improvement item will result in further problems with the court surface thus presenting a more liable situation for the Town. Also, the Town's Recreation Division will not hold the youth tennis program in the future as we are concerned with safety for the participant.

Project Cost Estimates: Design: \$21,000 Construction: \$169,970

Project Estimated Completion Date: Spring, 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 190,970	Design and construction
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Source of Funding: General Fund

Operating Budget Impact: Newly constructed courts will reduce annual maintenance costs and reduce liabilities.



West Barnstable Tennis Courts

PROJECT: CS-14 -08 (Marine Environment Affairs)	DEPARTMENT PRIORITY: 8 of 16
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Project Working Title: Blish Point Sand Management
Project Location: Blish Point, Barnstable

Project Description: Evaluation Design and permitting work to resolve sand management issues at Blish Point.

Project Justification: Barnstable Harbor continues to be negatively affected by sand movement from Blish Point. The artificial fill area at Blish Point is in danger of being compromised from the erosion of sand. Previous attempts to control this deterioration have failed. This project takes the next step to develop a permanent solution to sand management problem.

Work Accomplished Previously: Previous attempts to secure the artificial bank have failed.

Impact of Denial/Postponement: Postponing the project will allow continued deterioration of Blish Point and the artificial bank. This will result in the continued filling in of areas currently being dredged. In addition, the artificial bank is in danger of being compromised. Infiltration of this undesirable dredge material would have a harmful effect of the marine environment within the inner harbor.

Project Cost Estimates: Design: \$160,000

Project Estimated Completion Date: Fall, 2014

Project Cost/Description FY 2013 and Follow-On Years:

2014	\$160,000	Evaluation, Design and Permitting
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Source of Funding: General Fund

Operating Budget Impact: TBD



PROJECT: CS-14 -09 (Recreation)

DEPARTMENT PRIORITY: 9 of 16

Project Working Title: OSTERVILLE COMMUNITY BUILDING IMPROVEMENTS
Project Location: Osterville

Project Description: The exterior of the building is in need of complete exterior waterproofing, painting, caulking of expansion joints and replacement of doors. The interior needs selective repairs, improvements and finish upgrades.

Project Justification: The Osterville Community Center building is a facility that is used by Recreation Division programs, with its adjoining playground and ball field, and is used by our residents and programs. This facility has not been maintained well and is in need of renovation in order to maintain this town asset. Funding the improvements would stabilize the building as it is subject to significant water intrusion into the building through the exterior walls. Given the heavy use of this facility, the interior needs a significant amount of upkeep and maintenance which has been deferred for years. Our intention is to bring the building up to standard for safe use by all the citizenry.

Impact of Denial/Postponement: Lack of funding may result in closure of the building for program use due to water intrusion into the building. Lack of maintenance will result in continued deterioration of interior finishes, electrical and mechanical systems.

Project Cost Estimates: Design: \$45,000 Construction: \$154,500

Project Estimated Completion Date: Summer, 2015

Project Cost/Description FY 2014 and Follow-On Years:
 2014 \$200,000 Exterior and interior improvements.

Source of Funding: General Fund Other: Potential additional Town of Barnstable CPA funds for future approved work

Operating Budget Impact: With the installation of the digital control for the HVAC controls, energy savings will be realized with the much finer remote monitoring and adjusting of the HVAC functions.

Project Working Title: MEA EXISTING FACILITY UPGRADES

Project Location: 1189 Phinney’s Lane, Centerville

Project Description: The existing Marine and Environmental Affairs building was constructed over 20 years ago and is in need of renovations and upgrades to extend its useful life. This program will focus on improving life safety systems and code issues. Later programs address both interior and exterior finishes of the facility which are in need of improvement. There are currently 20 employees working out of this facility, not counting seasonal staff.

Project Justification: The Marine and Environmental Affairs facility has seen no major renovation work since its construction in 1979. An ongoing program of renovations is necessary in order to protect the Town’s building assets and assure reliability in the future for this unit’s operation. Many identified improvements below are life safety and code compliance issues.

- Construct enclosure around generator with separate intake and exhaust
- Install new fire alarm system
- Provide permanent piped electrical outlets to the center of garage area
- Install 2 hour wall and UL rated doors
- Provide code compliant means of egress
- Install handicapped accessible restroom
- Upgrade foundation Insulation
- Parking lot expansion and site Improvements
- Carpet replacement
- Interior Painting
- Upgrade ceiling tiles & lighting
- Office renovation plan

Work Accomplished Prior Project: The overlay roof replacement has been completed. The HVAC system was replaced in FY 2008. HVAC system was replaced in order to resolve air quality issues within the building. The exterior has been painted. Commercial overhead doors have been replaced. Limited interior painted has been completed. The roof has been replaced. A sewer line and connection thereto is in the design phase to allow for removal of the existing septic system.

Impact of Denial/Postponement: Life safety concerns and the possible loss of use of the facility if upgrades not incorporated and the facility continues to deteriorate.

Project Cost Estimates: Design: \$29,000 Construction: \$102,000

Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 18,600	Construct enclosure around generator with separate intake and exhaust
	\$ 22,000	Install new fire alarm system
	\$ 6,900	Provide permanent piped electrical outlets to the center of garage area
	\$ 16,000	Install 2 hour wall and UL rated doors
	\$ 7,800	Provide code compliant means of egress
	\$ 8,100	Install handicapped accessible rest rooms
	\$ 10,600	Interior painting
	\$ 3,900	Carpet replacement
	\$ 8,100	Upgrade ceiling tile and lighting
	\$102,000	
	\$ 29,000	Project Management, Escalation, Contingency

	\$131,000	Total
2015	\$ 45,000	Parking lot expansion/pavement, site improvements
	<u>\$ 12,600</u>	<u>Project Management, Escalation, Contingency</u>
	\$ 57,600	Total
2016	\$152,900	Office Renovation Plan
	<u>\$ 50,700</u>	<u>Project Management, Escalation, Contingency</u>
	\$203,600	Total

Source of Funding: General Fund

Operating Budget Impact: Extended useful life of the facility.



PROJECT: CS-14 -11 (Recreation)

DEPARTMENT PRIORITY: 11 of 16

Project Working Title: LOMBARD FIELD IMPROVEMENTS

Project Location: West Barnstable Community Building (WCB) and Site

Project Description: These funds would provide for an expanded parking lot with bituminous paving, storm water management; roadway to the Old Selectmen’s Building; site lighting and landscaping; new bleachers, renovated press box and baseball field. The access driveway should be widened to improve sightlines onto busy Route 149 and ADA parking located adjacent to the ADA ramp into the building and other relative site improvements.

Project Justification: The parking lot is too small to handle the regular use of the WCB and ball field. Additional storm water control for the expanded lot is required. With the use this facility gets, site lighting (dark sky fixtures) for the safety of visitors within the parking area is needed while keeping the light from offending the neighbors. The existing old and rusted bleachers need to be relocated and be replaced. The press box is termite and carpenter ant ridden and has become a safety issue because of its decay and deteriorating electrical system. It must be torn down and rebuilt with the electrical capability to power up proper field lighting.

Work Accomplished Prior Project: The parking lot has been reorganized to include timber guide rails to define parking areas and improve spectator safety. Press Box has been painted, but is in need of repairs. Luke's Love Playground has been installed.

Impact of Denial/Postponement: Poor parking organization and traffic flow contribute to an ongoing safety concerns especially with poor night lighting. With the new local housing development, and the new ADA playground and improvements to the WBCB, activity will increase on site; thus our concerns increase for additional site improvements and additional parking. The press box will soon become unusable and field lighting will no longer function properly.

Project Cost Estimates: Design: \$101,000

Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 101,000	Design
2015	\$ 454,657	Parking lot expansion & pavement, landscaping, drainage, site lighting, new bleachers, fencing etc
2016	\$ 92,000	New press box,
2017	\$250,000	New baseball field

Source of Funding: General Fund Other: Potential of future CPA funding

Operating Budget Impact: New site lighting using energy saving luminaries will yield energy usage savings.

Supplemental Information: A site master plan is available for review.

PROJECT: CS-14 -12 (Marine & Environmental Affairs) DEPARTMENT PRIORITY: 12 of 16

Project Working Title: HYANNISPORT BREAKWATER REPAIR

Project Location: Hyannis Harbor

Project Description: The project consists of repair of the Town's section of the stone breakwater at Hyannisport.

Project Justification: Stones have been lost from the breakwater reducing its effectiveness. The poor condition of the breakwater is a safety hazard for fishermen who fish from the breakwater.

Impact of Denial/Postponement: Postponing the project will allow more deterioration of the breakwater and reduce its ability to protect the harbor as well as increasing the safety hazard for those who fish from it.

Project Cost Estimates: Design \$75,000 Construction \$ \$1,400,000

Project Estimated Completion Date: January 2015

Source of Funding: General Fund Other: Coast Guard & Army Corps of Engineers

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$75,000	Design
2015	\$ 0	
2016	\$1,400,000	Construction

Operating Budget Impact: None



Hyannis Port Breakwaters from Beach

PROJECT: CS-14 -13 (Marine & Environmental Affairs)	DEPARTMENT PRIORITY: 13 of 16
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Project Working Title: MARINE & ENVIRONMENTAL AFFAIRS (MEA) BUILDING ADDITION
Project Location: Phinney's Lane, Hyannis

Project Description: The project consists of a 2,500 square foot storage addition to the existing Marine Environmental Affairs building.

Project Justification: The Marine and Environmental Affairs building currently is insufficient in size to accommodate existing staff and equipment. Because of various reorganizations and repositioning of staffing over the years, MEA has had to create office space in the garage area which further limits the ability to have a sufficient working area and space for the storage of vehicles and boats. This project will provide the needed additional space that will allow for the garaging of more of the division's vehicles and boats, protecting them from the elements; and allow for covered and protected maintenance on them. The office building should then be used for the growing office functions therein separating vehicle and boat storage areas from the office functions.

Work Accomplished Prior Project: The existing office and garage building HVAC system was replaced. The roof was replaced as well.

Impact of Denial/Postponement: The Town's boats and other equipment will continue to deteriorate at an undesirable rate and, as such, their useful life shortened.

Project Cost Estimates: Design: \$109,553 Construction: \$653,455

Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$109,553	Design
2015	\$653,455	Construction

Source of Funding: General Fund Other: User fees from service provided.

Operating Budget Impact: Extended useful life of marine equipment.

PROJECT: CS-14 -14 (Recreation)

DEPARTMENT PRIORITY: 14 of 16

Project Working Title: WEST BARNSTABLE COMMUNITY BUILDING INTERIOR IMPROVEMENTS

Project Location: Route 149, West Barnstable

Project Description: In the past four years, the West Barnstable Community Center building has seen an increase in its utilization and public interest. The residents have been attracted to this facility and continued repairs and improvements are required. The ADA ramp needs new railings. Also, replace the hallway floor with new wood flooring to match that of the new floor of the front room.

Project Justification: The interior paint has deteriorated badly in the hallway and is in need of paint as well as the refinishing of the floor. Interior renovations continue to bring this Town asset back to a well maintained and useful public facility. The hallway floor is the last floor to be taken care of with both the main rooms being completed. The lower level toilet rooms should be renovated to allow for ADA access by users of the ball field and playground.

Work Accomplished Prior Project: 1) Three new heating systems, plumbing fixtures and drainage improvements; and 2) roof repair/replacement, exterior sidewall, trim, and new exterior entrance doors have been replaced. Interior ceilings have been restored and 22 new vintage school house lighting fixtures have been installed. The wood floors in the meeting rooms have been refinished and walls painted. The septic system has been replaced.

Impact of Denial/Postponement: The interior of the building will continue to deteriorate without additional improvements to allow its heavy community use. Failure to replace the septic system may lead to closure of the facility.

Project Cost Estimates: Design: \$10,000 Construction: \$62,000

Project Estimated Completion Date: Spring, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$72,000	Interior hallway painting, ADA toilet renovations, exterior railing replacement, and removal of hallway floor replacement, new window blinds, design, and contingency
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Source of Funding: General Fund Other: Potential for future Town of Barnstable CPA funds

Operating Budget Impact: Reduction in routine maintenance.



PROJECT: CS-14 -15 (Recreation)

DEPARTMENT PRIORITIES: 15 of 16

Project Working Title: CENTERVILLE COMMUNITY BUILDING IMPROVEMENTS
Project Location: Main Street, Centerville

Project Description: Additional interior work: This project will fund the on-going historic adaptive reuse improvements to the Centerville Community Building and surrounding facilities. For the past several years, we have been making improvements to the interior and exterior of the building and adjoining program areas. These funds will continue repair tasks of greatest concern for the upcoming years. These improvements include:

- Renovate restrooms to make ADA compliant
- Improvements to electrical service, lighting and power distribution
- Improvements to life safety electrical exit signage, lighting, and alarm systems
- Egress improvements at exterior stair
- Replacement of ineffective HVAC controls
- Replace period windows with new energy saving units
- Additional wall and ceiling insulation for energy savings
- Window treatments (blinds)

Project Justification: The Centerville Community Center building is a facility that is heavily used by Recreation Division programs and the public on a daily basis, with its adjoining playground and ball field. It is one of the busiest Town facilities used by our residents and programs. Continuing to renovate and maintain this town asset adds to the preservation of a historic town resource. Funding the improvements would alleviate these hazards and help to make it a safer facility. The HVAC DDC (direct digital control) hook-up will ensure a reduction of operating costs by regulating, scheduling and controlling the energy being used in the building. This portion of the CIP utilizes an innovative method of monitoring the building giving us the ability to improve efficiency and help make the building comfortable without the need to send staff to make an adjustment on site. Given the heavy use of this facility, the interior needs a significant amount of upkeep and maintenance which has been deferred for years. Our intention is to bring the building up to standard for safe use by all the citizenry.

Work Accomplished Prior Project: Clapboards on the east and south elevations have been removed and replaced at this time. Additional removal and replacement remains to be done under a previous CIP. Improvements to parking lots, including pavement, curbs, landscaping, site lighting and ADA access ramp; drainage improvements; and related site work have been completed. The roof has been replaced. The septic system has been replaced with a Title V compliant system. Interior painting and wood floor refinishing has been completed.

Impact of Denial/Postponement: Lack of funding may result in closure of the building for program use due to non-compliant building, fire safety code issues and emergency egress problems. Continued deferred maintenance will result in deterioration of interior finishes, electrical and mechanical systems.

Project Cost Estimates: Design: \$25,000 Construction: \$145,000

Project Estimated Completion Date: Summer, 2015

Project Cost/Description FY 2014 and Follow-On Years:

<p>2014 \$0 2015 \$170,000</p>	<p>Improvements to electrical service, lighting and power distribution, Improvements to life safety electrical exit signage, lighting, and alarm systems, egress improvements at exterior stair renovate restrooms, and emergency signage and lighting.</p>
<p>2016 \$0 2017 \$211,500</p>	<p>DDC (Direct Digital Controls) installed A/C installation Wood floor refinishing Window treatments (blinds), Replace period windows and doors with new energy saving units Additional wall and ceiling insulation for energy conservation, and interior painting</p>
<p>2018 \$226,200</p>	

Source of Funding: General Fund

Operating Budget Impact: With the installation of the digital control for the HVAC controls, energy savings will be realized with the much finer remote monitoring and adjusting of the HVAC functions.



PROJECT: CS-14 -17 (Marine & Environmental Affairs) DEPARTMENT PRIORITY: 16 of 16

Project Working Title: BISMORE PARK PHASE II – SITE IMPROVEMENTS
Project Location: Ocean Street, Hyannis

Project Description: The Town of Barnstable has constructed a new clean, attractive and safe comfort station and Dockmaster's Office and Visitor Center in FY2009. This site work, needed to complete the park renovation project includes new brick pavements, site lighting, landscaping, irrigation, security, and banners.

Project Justification: In order to make the park user friendly, the walk along the bulkhead should be improved with visitor friendly site elements including wider pavements for visitors and fishing vehicles, benches, lighting, signage, bus stop and improved parking lots.

Work Accomplished Prior Project: Completion of construction of Phase I of the new dockmaster office, visitor center, and accessible bathroom facilities.

Impact of Denial/Postponement: The site is over stressed with its combined use of commercial operations and visitor traffic. The parking/walk/drive system needs to be designed to accommodate mixed uses in a safe and manageable design organization. The artist shanties need to be relocated closer to Aselton Park on the north edge of the harbor in order to open up the site vista of the harbor itself.

Project Cost Estimates: Design: \$65,000 Construction:

Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 65,000	Design
2015	\$590,000	Construction

Source of Funding: General Fund Other: Potential use of Town of Barnstable Coastal Access Plan funds; potential grants.

Operating Budget Impact:



3. POLICE

PROJECT: POL-14 -01	DEPARTMENT PRIORITY: 1 of 1
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Project Working Title: Barnstable Police Department Facility Improvements

Project Location: Police Headquarters, 1200 Phinney's Lane, Hyannis

Project Description: The Police Department facility was constructed over 30 years ago. The original building equipment and systems are coming to the end of their useful life and need upgrading. Many parts of the existing building are in need of replacement and renovation. Most of Priority 1 deals with necessary security issues. This CIP would fund:

Priority 1:

- Design and replacement of the dispatch AC mechanical system and ductwork, controls and related improvements. Over the years, substantial electronic equipment has been added to this area and has overwhelmed the 30 year old existing system.
- Design and replacement of cell and cell block lighting and sound system mandated by the MA Department of Health. Current non-functional system is a significant code violation and immediate replacement is needed.
- Replacement of four entry doors into the building which are in very poor condition. This problem is a security issue and presents a safety issue for the personnel working within the station.
- Design and installation of new sewer line tie-into new sewer (by others).

Priority 2:

- A new secure exitway for discharge from the Booking Area without passing thru dispatch
- New prisoner intake counter and painting of area
- Replace carpeting in Administrative offices and other spaces on 2nd floor
- Lobby interior renovation including front entry system with automatic doors

Priority 3:

- Replacement of all overhead doors & mechanicals
- Refurbishing of elevator
- Installation of a new garage air compressor
- Installation of a water filter for the buildings water supply

Project Justification: The Police Department Facility is one of the most heavily used buildings we have. Utilized 24/7, this building needs more attention and maintenance and repairs than any of our other facilities. To keep this building from degrading in function or operation in the near future, these necessary improvements and changes need to occur. This building will need to service Barnstable for a very long time into the future. We need to make sure it can still operate effectively & efficiently.

Work Accomplished Prior Project: The cell block improvement project and generator replacement projects have been completed at this time. Several items remain to be funded.

Impact of Denial/Postponement: Priority 1 deals with security issues and Department of Health violations and need immediate correction in order to comply with regulations. In that this facility is in operation 24/7, the building will degrade in value and function if not maintained annually. Many of its mechanical systems will no longer be able to be maintained, parts will not be able to be secured. Because the carpet is threadbare in many areas, it is difficult to maintain. A poor public image is being projected and public safety and security can be jeopardized without improvement.

Project Cost Estimates: Priority 1 Design & Renovations \$168,000

Project Estimated Completion Date: Fall, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	168,000	Priority 1:Design and renovations/improvements
2015	220,000	Priority 2 Design and renovations/improvements
2016	90,000	Priority 3 Design and renovations/improvements

Source of Funding: General Fund

Operating Budget Impact: Possible energy savings will be realized from improved police operation efficiencies.

4. PUBLIC WORKS

PROJECT: PW-14 -01

DEPARTMENT PRIORITY: 1 of 23

Project Working Title: PUBLIC ROADS MAINTENANCE

Project Location: Reconstruction of Main Street from the south end of Ocean View Avenue to Vineyard Road in Cotuit. Resurfacing of the entire lengths of: Althea Drive, Country Club Drive and Cypress Point in Barnstable. Preventive maintenance chipseal of various roads town wide to maintain their service life. Preventive maintenance crackseal of various roads town wide to maintain their service life. Engineering Design and Permitting Services for the Road Rehabilitation of Lincoln Road in Hyannis and Osterville-West Barnstable Road from Route 28 to Race Lane in Marstons Mills. Design services for various construction quality control measures such as roadwork inspection of road contracts, soil tests, pavement corings, concrete cylinder samples, etc. Construction and repair of multiple road drainage sites town wide in known problem areas.

Project Description: This is a continuing essential program aimed at combating the progressive deterioration of the Town's roadway assets and provision of new storm water handling capacity. Depending on physical conditions and analysis using the Pavement Management software, the repairs may include one of several methods of repair including: full depth reconstruction, asphalt overlay, milling and paving or applying a chip seal surface layer. In addition to surface repair, improvement projects usually include installation of upgraded or new drainage systems as well as sidewalk rehabilitation wherever practicable.

Project Justification: The condition of the Town's road system is deteriorating each year. Adequate maintenance and reconstruction where necessary is essential to preserve this major capital asset. Through the use of the Pavement Management System, we have identified a backlog of over \$30,000,000 of needed road repairs. This equates to over 100 miles of Town roads that need more than routine maintenance or repair. In addition, the Town has a backlog of approximately 250 locations where drainage improvements are required to protect public safety or prevent property damage

Work Accomplished Previously:

Barnstable: Resurfaced and added new drainage to a section Braggs Lane, and to the entire lengths of Midpine Road and Merion Way. Added new drainage in multiple locations on Carriage Lane.

West Barnstable: Completed the design of Oak Street.

Hyannis: Resurfaced and added new drainage on the following public roads within the H-1 East and West sewer areas: Betty's Pond Road, Fiddler's Circle, Houghton Road, Keating Road, Lattimer Lane, Point Lane, Seabrook Road, Stetson Street and Studley Road. Resurfaced the roadway and reconstructed the drainage on Center Street. Performed preventive maintenance crack seal on sections of Barnstable Road and West Main Street. Added new drainage at the following locations: On the entire length of Lincoln Road, 17 Edlen Lane, 77 and 137 Buckwood Drive, 338 Megan Road, Maple Street @ Walnut Street, 551 Yarmouth Road and 39 Massachusetts Avenue.

Centerville: Resurfaced the roadway and reconstructed the drainage on Phinney's Lane from Rte. 132 to Rte. 28, Resurfaced Ames Way and Hawser Bend. Performed preventive maintenance chip seal on the following roads: Foxglove Road, Pine Tree Drive and Wequaquet Lane. Added new drainage at the following locations: 196 Shootflying Hill Road, 394 Old Stage Road, Washington Bursley Way, 11 Buckskin Path, 50 Audubon Circle and 22 Moon Penny Lane.

Osterville: Performed preventive maintenance chip seal on the following roads: Cinnamon Lane, Curry Lane, Ginger Lane, Nutmeg Lane, Parsley Lane, Spice Lane, Tea Lane and Thyme Lane. Performed preventive maintenance crack seal of Seaview Avenue. Added new drainage at the following locations: 218 Parker Road, 30 Mayflower Lane, 441 Old Mill Road and 57 Curry Lane.

Marstons Mills: Resurfaced Walnut Street. Performed preventive maintenance chip seal on Cammet Road and a section of Old Falmouth Road. Performed preventive maintenance crack seal on sections of Rte. 149 and Main Street. Added new drainage at the following locations: Shubael Pond, 455 and 585 Old Falmouth Road, 144 Roseland Terrace, 54 Prince Avenue and Old Post Road at Rte. 28.

Cotuit: Resurfaced Shell Lane. Performed preventive maintenance chip seal on Sandalwood Drive. Added new drainage at the following locations: 1011 Main Street, Cross Street and 55 Little River Road.

Impact of Denial/Postponement: The impact will be accelerated deterioration of our public roadway network, with resulting public safety hazards and liability, damage to private property and increased repair costs.

Project Cost Estimates: Design \$250,000 Construction \$3,000,000

Project Estimated Completion Date: June 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 3,250,000	Design and Construction
2015	\$ 3,250,000	Design and Construction
2016	\$ 3,250,000	Design and Construction
2017	\$ 3,250,000	Design and Construction
2018	\$ 3,250,000	Design and Construction

Source of Funding: General Fund

Operating Budget Impact: Reduction in emergency maintenance.

Supplemental Information: The Road Repairs program continues to utilize funding for the combination of road and drainage repairs, with the request for funding included in one consolidated request, with the exception of roads being considered for reconstruction or rehabilitation with the use of Chapter 90 funds and Highway Division maintenance funds. The majority of design, inspection and limited construction of drainage site improvements will continue to be completed by in-house personnel. Road drainage improvement costs include contingency funds and police details.

PROJECT: PW-14 -02

DEPARTMENT PRIORITY: 2 of 23

Project Working Title: WEST BAY BRIDGE REPAIRS
Project Location: Bridge Street, Osterville

Project Description: The phased project consists of repair of items identified in reports completed by the Town's Consultants, Fay Spofford & Thorndike, and more recently by STV Consultants. A

contract has been let to complete the short term electrical and mechanical repairs and work will continue through spring of 2013. This contract will address the repair of the span motor, replacement of the manual drive operating system, replacement of operator controls and wiring as well as overall adjustment of the gearing systems. This year's project request is to continue with needed structural and architectural repairs as identified in the consultant's report analysis. Costs are identified for design, construction and construction management.

Project Justification: The ageing bridge (circa 1947) has been the subject of an extensive study to determine limits of a repair program and associated costs. The ongoing repairs are needed to comply with operator safety regulations; for example, in the replacement of access stairs used to perform necessary routine maintenance that is presently severely compromised with rust and corrosion. The operators cab needs replacement. The bridge weight limit has been reduced because of deficient structural components. These components need replacement. The sidewalk surfaces and joints in both the sidewalks and roadway areas need replacement and repair. The current maximum load posted limits do not meet the needs of the emergency service vehicles or reasonable use by heavy commercial vehicles servicing the local residents; finally, painting of the bridge will preserve the structure and realize the value of all the completed repairs.

Work Accomplished Prior Project: Comprehensive analysis Report has been prepared and reviewed. Design Specifications and Plans have been prepared and a construction contract is in place to complete the short term electrical and mechanical repairs by Spring 2013. Designs for the next round of architectural and structural repairs are in progress.

Impact Of Denial/Postponement: The ongoing incremental repair and improvement program would be interrupted; bridge functionality would continue to be reduced, increasing manpower and material costs associated with maintenance; access through the waterway would be affected, safety of operators and maintenance personnel would continue to be jeopardized; and eventual reduction of the posted weight limits would be necessary, limiting access by emergency vehicles.

Project Cost Estimates: Design \$ 85,000 Construction \$ 484,000

Project Estimated Completion Date: Construction: Mar. 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 569,000	Design & Construct Short Term Arch/Structural
2015	\$1,823,000	Design & Construct Long Term Structural

Source of Funding: General Fund

Operating Budget Impact: Greater reliability – less calls for emergency repairs

PROJECT: PW-14 -03 **DEPARTMENT PRIORITY: 3 of 23**

Project Working Title: HYANNIS HARBOR BULKHEAD REPAIR
Project Location: Terminus of School Street, Hyannis

Project Description: Construction of new steel bulkhead and associated rails and drainage

Project Justification: The area of steel bulkhead under consideration is showing signs of distress with flaking of the steel sheets and actual penetration of the steel where old drainage ways have eroded the backfill behind the steel. In addition surface collapse has occurred requiring Highway

Division staff to do repair work immediately above the bulkhead. Lack of corrective action will result in a continued deterioration of the bulkhead, potentially resulting in a future collapse with extreme costs.

Work Previously Accomplished: RFP prepared for design. Design expected to be completed April 15, 2013 and construction completed May 2014.

Impact of Denial/Postponement: Impact will be continued extra maintenance in and around the bulkhead area. Potential collapse would incur more severe costs as an emergency situation. Use of the harbor area which presently serves emergency services and Steamship Authority activities would be affected adversely.

Project Cost Estimates: Construction \$ 142,000

Project Estimated Completion Date: May 15, 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$142,000	Construction
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PROJECT: PW-14 -04

DEPARTMENT PRIORITY: 4 of 23

Project Working Title: BUMPS RIVER BRIDGE REPAIR

Project Location: South Main Street, Centerville – Spanning Bumps River

Project Description: Work involves repair of various deficiencies as identified by the Massachusetts Department of Transportation in their field report dated July 9, 2010. Items to be addressed include cracks in the deck surface, open joints in the sidewalk, delamination of the concrete railings, deficient or non-existent guardrail systems and broken brace supports in the sub-structure. This request is for project construction.

Project Justification: As with all our assets, attention to deteriorating conditions in a timely manner will save money in the long run. The Bumps River Bridge is vital to the transportation needs of the community and deficiencies have been identified by professionals at the State level.

Work Previously Accomplished: An RFP has been prepared and advertised. Design is projected to be completed by June 30, 2013.

Impact of Denial/Postponement: The Bridge will further deteriorate over time and more extensive repairs will be needed. The lack of guardrails is a safety hazard.

Project Cost Estimates: Construction \$120,000

Project Estimated Completion Date: April 30, 2014

Project Cost/Description FY 2014 and Follow-On Years:
2014 \$120,000 Project Construction

Source of Funding: General Fund

PROJECT: PW-14 -05

DEPARTMENT PRIORITY: 5 of 23

Project Working Title: STRUCTURES & GROUNDS FACILITY UPGRADES
Project Location: 800 Pitcher's Way, Hyannis

Project Description: The existing Structures & Grounds building was constructed over 25 years ago and is in need of renovations and upgrades to extend its useful life. This program will focus on improving life safety systems and code issues. Later programs address both interior and exterior finishes of the facility which are in need of improvement. There are currently 34 employees working out of this facility not counting seasonal staff.

Project Justification: An ongoing program of renovations is necessary in order to protect the investments the Town has made in its capital assets. Many improvements identified are life safety and code compliance issues.

- Install roofing membrane over existing roof system
- Replace asphalt shingle roof on the pole barn
- Install new HV units, exhaust fans, and carbon monoxide detectors per code
- New oil/water separator and / or tight tank system for floor drains
- Install second floor means of egress
- Install second floor elevator
- New fire rated door and completion of fire separation wall
- Storage garage personnel egress door
- Replace/repair modified C shaped end rafter
- Replace missing wind bracing with portal framing

Impact of Denial/Postponement: It is necessary to extend the useful life of this facility by protecting it from water leakage into this core operational facility.

Project Cost Estimates: Design: \$23,000 Construction: \$80,000

Project Estimated Completion Date: Spring, 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 48,000	Install rubber roof system over metal roof panels – S&G Office
	\$ 32,000	Re-shingle pole barn with asphalt shingles
	\$ 23,000	Project management, contingency & escalation
	<u>\$103,000</u>	

2015	\$32,860	Install new HV units, exhaust fans, and carbon monoxide detector
	\$32,860	New oil/water separator and / or tight tank system for floor drains
	\$19,080	Project management, contingency & escalation
	<u>\$84,880</u>	

2016	\$58,300	Install second floor means of egress
	\$ 9,054	New fire rated door and completion of fire separation wall
	<u>\$19,080</u>	<u>Project management, contingency & escalation</u>
	\$86,434	
2017	\$ 9,054	Storage garage personnel egress door
	\$19,398	Replace/repair modified C shaped end rafter
	\$19,398	Replace missing wind bracing with portal framing
	<u>\$16,960</u>	<u>Project management, contingency & escalation</u>
	\$64,810	
2018	\$153,700	Install second floor elevator
	<u>\$ 44,520</u>	<u>Project management, contingency & escalation</u>
	\$198,220	

Source of Funding: General Fund

Operating Budget Impact: Improved working conditions and extend useful life of the facility.



PROJECT: PW-14 -06

DEPARTMENT PRIORITY: 6 of 23

Project Working Title: TOWN HALL INTERIOR IMPROVEMENTS
Project Location: 367 Main Street, Hyannis

Project Description: This project continues the interior work needed to maintain the existing building. The exterior restoration work has been completed via CPA funds which now allow for the interior renovation work to begin. Initial Interior renovation work listed as 1A hereinafter is currently in design and about to have renovation work begin. Floor finishes, railings, stair guards and additional work will be undertaken during Phase 1B with additional funding through this CIP.

Many of these improvements are public health, safety and code issues needing immediate attention. These improvements will increase the value and effectiveness of this highly utilized and busy facility. Other recommendations from the building study by the historic architect are summarized as follows. These items are subject to further design and programming and will be later updated as funding and need dictate. Preliminary space programming changes have been designed and some renovation work has begun starting with the Town Clerk's offices through limited existing funding sources. Due to the magnitude of the scope of work for renovations and possible reconfigurations, it is proposed to

effect this work under a multi-phased 6 year program. This will allow the Town Hall to function while in the renovation process.

Phase IA: (This work was partially funded through a FY 2013 CIP and is in design currently.) Additional funding will allow for completion of stairwell restoration and renovation work, including architectural, mechanical, electrical, sprinkler, fire safety, space enclosure with new rated doors and hold open devices, related finishes and improvements which will bring the public stairwell into code compliance and repair the water damage.

Phase IB: Floor and railing finishes are included in this scope of work and additional renovation work not covered in the initial CIP funding in order to complete the public stairwells and corridors. Architectural and engineering design, and cost estimating services for the full interior renovation of the building. This schematic design will identify the scope of the remaining phases II & III. Contract documents and renovation work for the remaining first floor offices (Assessor and Tax Collector), corridor and security improvements to the public counter areas. Contract documents for renovations to the Lower Level lunch room, restroom, recycling and mail area, and major mechanical room improvements. Replacement of exterior building lighting at courtyard.

Phase II & III: Preparation of contract documents and renovation work for the remaining offices of the building including architectural, mechanical, electrical, sprinkler, life safety systems as determined in Phase IB.

The contract documents in each phase will incorporate the corrections of the following conditions, subject to the funding made available, but not limited to these:

- Replacement of the HVAC head-end and distribution systems
- Removal of original abandoned coal bin, structure and inoperable steam boilers
- ADA access to main floor of the building
- Upgrade the elevator to meet standards
- Improvements to stairwells to meet code requirements
- Reorganize interior spaces per approved space program
- Upgrade all public counters to meet ADA requirements
- Renovate all public toilets to meet code requirements
- Renovate interior passageways to meet minimum clearances
- Relocate and install proper fire alarm devices throughout
- Modify railings at Hearing Room platform to standards
- Remove and replace damaged plaster; remove mold and repair as needed
- Install fire-rated drywall ceilings as required to meet code
- Waterproof basement walls and floor as required
- Install new ceiling mounted unit ventilators as needed
- Replace existing steam boiler and hot water boiler with modulating boilers
- Replace cast iron radiators with fin tube radiation and control valves
- Install direct digital control system
- Insulate all piping throughout
- Remove damaged concrete at vault and repair leaking basement vault
- Reinstall new hot water indoor air handlers for ventilation
- Upgrade room lighting and power distribution
- Install new interior floor, wall and ceiling finishes throughout
- Renovate sprinkler system to suit revised floor plan

Project Justification: Phase 1B work is badly needed to complete the improvements to the two main stairwells of this historic building that is heavily used for government offices and public hearing use. The Town Hall is the public image of the Town. The building needs continual upgrades and improvements. The public areas in Town Hall are a poor impression of the Town of Barnstable, with chipped paint and peeling wallpaper. The restrooms all need renovation and ADA related improvements, including having them on each floor of the building. The HVAC, plumbing, electrical

and related systems and devices are at the end of their useful life and need full replacement. The fire alarm system does not meet present day code standards. Air quality concerns exist with mold within walls and ceilings due to a poor HVAC system and many years of moisture leaking thru the walls from the exterior. All exterior plaster and drywall surfaces are in need of replacement. Any plan changes will require basic changes to all building systems.

Work Accomplished Prior Projects: Work underway includes:(1) installation of additional circulator pumps for the chilled water system, limited elevator repairs, (2) CPA funds were used to renovate the courtyard vestibule, (3) CPA funds were used for major exterior repairs to masonry, windows and slate roof replacement. The exterior restoration work has been completed. Town Clerk’s Office is under renovation currently.

Impact of Denial/Postponement: Mechanical systems will continue to degrade and require increase maintenance and operating costs. The Fire alarm system will not function properly and will compromise life safety. The offices in need of renovation will continue to be cramped and ineffective work spaces. The public areas of the building will still be in deplorable condition, leaving a bad impression of Town Government. With the waterproofing of the exterior, interior walls need major repairs to correct the damage that has occurred to the wall by water penetration over the years.

Project Cost Estimates: Phase I A Construction: \$150,000

Project Estimated Completion Date: Winter, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$150,000	Phase 1A Stairwell restoration and renovation
2015	\$636,000	Phase IB Design & Contract Documents, First Floor and Lower Level Renovations, Public Corridors, security improvements + construction, courtyard building lighting
2016	1,000,000	Phase II Design + Renovations
2017	1,000,000	Phase III Design + Renovations

Source of Funding: General Fund Possible CPA funds if projects qualify for consideration and CDBG for ADA restroom improvements.

Operating Budget Impact: With continued investment in the building infrastructure, additional useful life of the building is extended and with new and efficient HVAC systems, energy savings should be realized.

Supplemental Information: A master plan for renovations throughout the building has been completed by the DPW and wait funding when available in order to proceed with improvements.



Project Working Title: SCHOOL ADMINISTRATION BUILDING MECHANICAL SYSTEM IMPROVEMENTS

Project Location: School Administration Building, 230 South Street, Hyannis

Project Description: A summary of improvements is as follows:

Phase I: Mechanical Head-end Upgrades at Lower Level

- Emergency generator, cooling plant, sprinkler and hot water system equipment replacement
-
- Renovation and expansion of the existing basement mechanical room and egress paths to accommodate a replacement emergency generator (reuse of the BPD old generator) and replacement of the 30 ton cooling plant including the head-end upgrade of the sprinkler service. Removal of the old concrete mounting pad. Replacement of the existing electric hot water heater with a new gas fired hot water heater and thermostatic mixing valve. Relocation of the gas service from the electric room into the mechanical room (another code violation).
- Installation of new fire rated walls and ceilings throughout the basement level including rated door improvements along the access ways and improvements to the exit (eliminate the fire escape) at the south stairway as required by code. This is a public safety issue needing attention.

Phase II: Interior Renovations to Building

- Limited interior reorganization of space, finishes, ADA access, toilet rooms. Work reflective of the historic architect's programming and schematic design subject to approval **may** increase the actual cost for this work.
- Mechanical/electrical upper floor distribution, replacement, and energy conservation improvements throughout including new electrical service HVAC controls, communications, fire alarm, sprinkler, plumbing and related HVAC improvements, and new elevator.

Project Justification: The historic building study reported significant deficiencies in this building. The exterior restoration work is in design and will be accomplished utilizing part CIP and CPA funds. The Phase I work above would best be accomplished during the exterior restoration project and be incorporated with the requested funds herein. These recommendations are included in the two phases described above. The Phase II work should follow the completion of the exterior restoration work and will accommodate future program needs of the Town as approved.

Project Status: In FY09, CPA Funds were secured for the engineering assessment. PW-10-110 provided funding of \$144,000 for the low roof repairs and replacement work. Currently there is \$161,000 identified to be used with the requested CPA funds for the exterior restoration project moving into bidding at this time to take care of the roof replacement at SAB. CPC funds of \$1,042,000 were appropriated for use on the exterior restoration of the SAB. Additional funds will be needed to accomplish this scope of work.

Work Accomplished Prior Project: Building study by the historic architect and his engineers has been completed. Additional funding from CPA for the exterior restoration work has been added into the project. The existing heating plant has been replaced with 3 high efficiency modulating boilers.

Impact of Denial/Postponement: The building condition study indicates the need for significant head-end mechanical and accessibility improvements. These would be best addressed along with the exterior restoration project. If left as is, further deterioration will occur with increased scope of repairs resulting in additional inflation and restoration cost.

Project Cost Estimates: Design & Soft Costs: \$333,065

Project Estimated Completion Date: Winter, 2015

Project Cost/Description FY 2013 and Follow-On Years:

2014	\$ 333,065	Phase I: design
2015	\$1,292,258	Phase I: renovations
2016	\$1,351,900	Phase II: design and renovations

Source of Funding: General Fund Other: CPA Funds have been secured for the engineering assessment in the amount of \$66,700. These funds were used to retain the historical architect to do the study of the SAB. Further additional CPC funds have been appropriated by the TC of \$1,042,000 for the historic restoration of the exterior envelope identified during the assessment.

Operating Budget Impact: Utility savings will be realized by the mechanical improvements to the building mechanical and electrical systems.

Supplemental Information: The historic architect’s study of the SAB is complete and the costs above are reflective of their recommendations. The study is available for review.



PROJECT: PW-14 -08	DEPARTMENT PRIORITY: 8 of 23
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Project Working Title: **TRAFFIC SIGNAL INTERSECTION UPGRADES**
Project Location: Upgrades to the following signalized intersections: Pitchers Way/West Main Street and Route 132/Independence Drive/Enterprise Road in Hyannis, Main Street (Route 6A)/Hyannis Road in Barnstable

Project Description: This is an essential program aimed at combating the progressive deterioration of the Town’s signalized intersections. This program will allow the upgrade of the traffic signal equipment and its functionality to the latest engineering standards to allow for an improvement in the flow of traffic and of the adjacent pedestrian facilities to meet the Americans with Disabilities Act (ADA) regulations. Depending on physical conditions and the recommendations of the Traffic Signal

Inventory Database (TSID), the repairs may include one of several methods of repair including: Upgrading traffic signal equipment (new controller, signal heads, mast arms, vehicle detection, etc.), install or repair pedestrian signal heads and pushbuttons, upgrade wheelchair ramp slopes and add detector panels, relocate traffic and/or utility poles, etc. In addition to equipment repair and upgrades to ramps, Traffic Signal Intersection Upgrade projects usually include roadway improvements in the areas adjacent to the intersection (pavement resurfacing, new road markings and signs, etc.), installation of upgraded or new drainage systems as well as sidewalk rehabilitation to meet the upgraded wheelchair ramps wherever practicable.

Project Justification: The condition of the Town's Traffic Signal Intersections is deteriorating each year. Adequate maintenance, upgrades and reconstruction where necessary is essential to preserve this major capital asset and also to allow for a better flow of traffic using the latest standards of traffic engineering that consider all modes of transportation. Through the use of the Traffic Signal Inventory Database, we have identified a backlog of over \$1,000,000 of needed repairs. This equates to 23 signalized intersections that need more than routine maintenance or repair. In addition, the Town has added 2 new signalized intersections where future improvements will be required to protect public safety, prevent property damage and ensure better multimodal flow of traffic.

Impact of Denial/Postponement: The impact will be accelerated deterioration of our signalized intersections that would affect the flow of traffic throughout our entire public roadway network, with resulting public safety hazards and liability, damage to private property and increased repair costs.

Project Cost Estimates: Design \$50,000 Construction \$200,000

Project Estimated Completion Date: June 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 250,000	Design and Construction
2015	\$ 250,000	Design and Construction
2016	\$ 250,000	Design and Construction
2017	\$ 250,000	Design and Construction
2018	\$ 250,000	Design and Construction

Source of Funding: General Fund

Operating Budget Impact: Improved traffic flow.

PROJECT: PW-14 -09	DEPARTMENT PRIORITY: 9 of 23
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Project Working Title: **SIDEWALK OVERLAY AND GUARD RAIL REPLACEMENT**
Project Location: Sidewalks - Prince Hinckley Road, Centerville, Osterville W. Barnstable Road between Bumps River Rd and Lumbert Mill Road, bike path on Old Stage Road between the Service Road and Rte 149, and other sidewalks as funding allows. **Guard Rails** – North Street, Hyannis, Main Street Osterville, Huckins Neck Road, Centerville, and other guard rails as funding allows.

Project Description: Sidewalk project includes prepping the existing footprint of the sidewalk, removing grass, dirt, and edging back then spraying a tack coat of special oil for adhesion, and lastly installing a new layer of asphalt. Guardrails are important to vehicle safety program and are in desperate need of replacement throughout the town.

Project Justification: The sidewalks on these roads are in a state of disrepair. They have cracks and depressions where ice forms in cold weather, all leading to possible tripping or falling hazards. They are also in very heavy pedestrian areas including a school, fire dept. station, church and a library. Without a town wide effort to replace damaged guardrail, the public safety will be compromised and the Town may be subject to legal action if an accident occurs because of the lack of appropriate safety barriers.

Work Accomplished Prior Project: Prepped and Overlaid sections of South County Rd., Craigville Beach Rd., Smith St., Pitcher’s Way, Gosnold St., Old Colony Rd., Scudder Ave., and South Main St.

Impact of Denial/Postponement: Sidewalks and guard rails have become outdated and are in need of repair. By performing sidewalk overlays and guard rail replacement as described, public safety will be improved and the useful life is extended for many years. Failure to fund this program will result in the continued deterioration of these public walkways and guard rails.

Project Cost Estimates: Construction: \$250,000

Project Estimated Completion Date: December 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$190,000	Prep Work, Liquid Tack Coat, New Asphalt overlays
	\$ 60,000	Replace guard rail
2015	\$150,000	
2016	\$150,000	
2017	\$150,000	
2018	\$150,000	

Source of Funding: General Fund

Operating Budget Impact: Reduction in maintenance costs.



PROJECT: PW-14 -10	DEPARTMENT PRIORITY: 10 of 23
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Project Working Title: PAINE BLACK HOUSE SEPTIC
Project Location: Route 149, West Barnstable

Project Description: This project would fund needed masonry, cast iron & exterior door repairs of the building. These funds would provide for design services only for such improvements for masonry, cast iron repairs and exterior door restoration. Phase II work will consist of masonry repairs and site water infiltration issues. Additional improvements listed in the historic building study will follow as funding becomes available.

Project Justification: Erected in 1856, the building has been patched, repaired and painted but heavier renovations are now necessary. Masonry and exterior metal deterioration continues to allow moisture penetration into the structure.

Work Accomplished Prior Project: A Historic building study was completed for this building under CPC funding. In 2012 CPC approved funds to perform much needed window restoration and limited masonry crack repairs. The following cost estimate is based on continuing work outlined in the historic building study and reflects only a portion of work needed per the study report.

Impact of Denial/Postponement: Continued deferred maintenance of this facility will contribute to their deterioration and demand a total and costly replacement.

Project Cost Estimates: Design & Permitting: \$62,000 Construction: \$201,000

Project Estimated Completion Date: Fall, 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 263,000	Trayser Museum Repairs Phase I
2015	\$ 487,659	Trayser Museum Repairs Phase II

Source of Funding: General Fund

Operating Budget Impact: With new construction technology, we will realize continued savings in energy and maintenance costs.



PROJECT: PW-14 -13	DEPARTMENT PRIORITY: 13 of 23
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Project Working Title: **HIGHWAY SITE BUILDINGS – REPLACEMENT/CONSOLIDATION**
Project Location: 382 Falmouth Road, Hyannis

Project Description: This is a six phase project to correct serious deficiencies in working conditions within the Department of Public Works. Two phases have been completed. The ongoing feasibility study and design portion of the project approved in FY2006 examined the possibility of relocating the DPW Administration and Technical Support, Highway and Structures and Grounds Divisions. Due to financial restraints, the Structures & Grounds operations will remain at 800 Pitcher's Way.

Phase I, the construction of an Emergency Response Center (ERC) is completed and occupied.

Phase II: DPW administration and engineering offices, is completed and occupied

Phase III: Awaiting design and construction subject to this CIP, will involve the design and construction of Highway Division manager offices, employee lockers, showers and toilet rooms which will allow for the removal of the remaining old temporary staff trailer facility and an increase in needed additional parking. Re-roof of remaining section of old garage.

Phase IV: Involves only the design work of a new enclosed and insulated truck garage and shops, with drive-through capability, which will be used to park, store and perform daily maintenance on trucks and equipment. This new stand-alone building will solve air quality and air circulation problems by separating trucks and office functions. The new building will incorporate the design of taller doors, which allow for access by larger equipment, and would have a lean-to for plow storage. Sanding trucks must be kept protected, in a temperate environment, allowing for quick response to snow and ice emergencies.

Phase V: Involves the construction of the new enclosed and insulated truck garage.

Phase VI: Involves the demolition of the existing salt shed and the construction of a new salt shed.

Project Justification: The employee locker rooms, showers, bathrooms, and day room are housed in the one remaining temporary trailer. The staff needs proper facilities in which to operate from. With the renovation of the garage into offices, trucks are now in need of a new permanent indoor home. The construction of a new, larger consolidated truck garage in Phase V of this project is critical to our continued operation.

Work Accomplished Prior Project: The Phase I ERC and Phase II DPW Administration and technical support offices have been completed. The re-roofing work over the Phase I, II, and III areas have been completed at this time.

Impact of Denial/Postponement: The DPW feasibility study has shown that greater efficiency will be realized through consolidation of the Division offices at the Highway site. Once Phase III is completed, the remaining staff trailer will then be demolished. Decreased operational and utility costs will be realized by elimination of the last trailer with the renovation. Trucks continue to be stored outside and **will negatively impact snow and ice operations**, thus Phase IV and V would resolve this issue.

Project Cost Estimates: Design: \$37,000

Construction: \$29,000

Project Estimated Completion Date: Summer, 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 37,000	Phase III- Design of employee office space and locker rooms
	\$ 29,000	Re-roofing of remaining section garage building
2015	\$ 615,600	Phase III – Construction of employee office space and locker rooms
2016	\$ 743,400	Phase IV- Design of new Highway Truck Garage
2017	\$4,496,250	Phase V- Construction of new Highway Truck Garage

2018 \$ 500,000 Phase VI-Design & Construction of a Dome Salt Shed

Source of Funding: General Fund

Operating Budget Impact: New construction will reduce maintenance costs.



Highway ERC – Phase III & Garage Area



Highway Trailer



Highway Salt Shed

PROJECT: PW-14 -14

DEPARTMENT PRIORITY: 14 of 23

Project Working Title: BARNSTABLE DRAINAGE STUDY

Project Location: Area including Cummaquid Golf Course and headwaters of Maraspin Creek

Project Description: Engineering study involving review of existing GIS Mapping, field reconnaissance and measurement, analysis and report preparation detailing the storm water flowage patterns, conveyance systems and restrictions for an area of approximately 750 acres at the northeast sector of Town.

Project Justification: Flooding issues have been identified affecting Town roadways and other properties in the area. Identification of the problems will enable funds to be spent effectively in the future to address these issues.

Impact of Denial/Postponement: Existing problems will not be able to be effectively and economically dealt with.

Project Cost Estimates: Design \$50,000

Project Estimated Completion Date: December 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$50,000	Design
2015	TBD	Future Capital Costs to be determined from study

Source of Funding: General Fund

Operating Budget Impact: None

PROJECT: PW-14 -15

DEPARTMENT PRIORITY: 15 of 23

Project Working Title: **MOSSWOOD CEMETERY BUILDING IMPROVEMENTS**

Project Location: Mosswood Cemetery, Putnam Ave, Cotuit

Project Description: The project will fund an addition onto the present Mosswood office for the purpose of providing bathroom facilities.

Project Justification: Mosswood cemetery is our largest cemetery. Our Grounds and Cemetery Team (15-20 employees) are stationed there and utilize a single tiny bathroom in the Cemetery Office area. This restroom is not only used by the employees and visitors conducting business at the cemetery office, but also by the mourners who are attending burial services at Mosswood. The addition would be two fold; providing toilets and wash up area for the Grounds/Cemeteries employees in a locker type area as well as providing a public handicap accessible comfort station with access from the exterior for the residents visiting the cemetery and attendees at burial services.

Work Accomplished Prior Project: The parking lot development has been bid and construction is about to begin.

Impact of Denial/Postponement: We will continue to have problems with not having a public restroom at this place of business that is not handicap accessible, as well as the inconvenience to our customers and residents with the present setup. Continued use of inadequate facilities for our employees.

Project Cost Estimates: Design: \$56,308 Construction: \$244,816

Project Estimated Completion Date: Spring, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$301,124	Design and construction
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Source of Funding:

General Fund Other: Possible transfer from the Kirkman Fund.



Mosswood Cemetery Office Building

PROJECT: PW-14 -16

DEPARTMENT PRIORITY: 16 of 23

Project Working Title: 46 AND 50 PEARL STREET BUILDING IMPROVEMENTS
Project Location: 46 and 50 Pearl Street, Hyannis

Project Description: This project would fund needed exterior and interior improvements to the main buildings and accessory structures. These funds would provide for design and renovation/construction including chimney pointing, roof repairs, electrical modifications, plumbing issues and heating upgrade for 46 Pearl Street, and window repair and painting, trim repair basement moisture resolution, electric modifications and pottery shed water service, heat and plumbing at 50 Pearl St.

Project Justification: As part of the continuing arts program in the Town of Barnstable, these buildings are utilized for artist's studios and gallery spaces and artist housing. As income producing properties for the town, exterior and interior improvements are required to maintain the buildings.

Work Accomplished Prior Project: Property acquired with part of the following CPA Funds: \$115,000 Housing, 375,000 Historic, \$260,000 Community Development block Grant. Roofing replacement has been accomplished on 46 Pearl Street and its pottery shed.

Impact of Denial/Postponement: Continued deferred maintenance of this facility will contribute to their deterioration and demand a total and costly replacement.

Project Cost Estimates: Design & Permitting: \$22,000 Construction: \$92,000

Project Estimated Completion Date: Fall, 2014

Project Cost/Description FY 2014 and Follow-On Years:
 2014 \$ 114,000 46 + 50 Pearl Street Improvements

Source of Funding: General Fund

Operating Budget Impact: With new construction technology, we will realize continued savings in energy and maintenance costs.



50 Pearl Street



46 Pearl Street

PROJECT: PW-14 -17	DEPARTMENT PRIORITY: 17 of 23
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Project Working Title: TRAYSER CARRIAGE HOUSE REPAIRS
Project Location: 3353 Main Street, Route 6A, Barnstable

Project Description: This project would fund needed exterior masonry & fenestration repairs of the building. These funds would provide for design and renovation/construction including: walls, windows, doors and roofing, HVAC and electrical repairs.

Project Justification: Erected in 1856, the building has been patched, repaired and painted but heavier renovations are now necessary. Masonry and exterior deterioration continues to allow moisture penetration into the structure, furthering deterioration.

Work Accomplished Prior Project: A Historic building study was completed for this building under CPC funding. The following cost estimate is based on that study.

Impact of Denial/Postponement: Continued deferred maintenance of this facility will contribute to their deterioration and demand a total and costly replacement.

Project Cost Estimates: Design & Permitting: \$52,000 Construction: \$144,000

Project Estimated Completion Date: Fall, 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 196,000	Trayser Carriage House Repairs
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Source of Funding: General Fund

Operating Budget Impact: With new construction technology, we will realize continued savings in energy and maintenance costs.

Work Accomplished Prior Project: Feasibility study has been completed. The re-roofing of the building has been completed.

Impact of Denial/Postponement: The Town Clerk has recently specifically asked for a good, dry, and secure area for the storage of town records required by statute. There is no other area available to the clerk for this record storage. The Town offices at 200 Main Street, second floor will remain dry goods storage space. Meetings will need to be scheduled in the Town Hall Hearing Room, and departments that can be moved to the second floor of this new building will remain at their present locations. Inadequate, non-secure storage of Town records will continue. Inefficient use of a portion of the first floor will continue.

Project Cost Estimates: Design: \$54,212 Construction: \$301,175

Project Estimated Completion Date: Fall, 2014

Project Cost/Description FY 2013 and Follow-On Years:

2014	\$ 355,387	Phase I design & construction
2015	\$4,972,860	Phase II design & construction

Source of Funding: General Fund

Supplemental Information:

(1) The existing parking facilities are not adequate to accommodate future expansion of office space at this site. As many as 60 additional parking spaces may be required. No cost has been carried for parking acquisition.

(2) Depending upon what repairs may be needed at the Town Hall and SAB Buildings, and if staff may need to be relocated for those projects, consideration should be given to completing the offices at 200 Main to be potentially available should that need be required during any interior renovation project at TH or SAB.



2nd Floor 200 Main Street

PROJECT: PW-14 -21

DEPARTMENT PRIORITY: 21 of 23

Project Working Title: **QUANTITATIVE WATER QUALITY EVALUATIONS**
Project Location: Hyannis Water Pollution Control Facility (WPCF)

Project Description: This effort is envisioned to integrate and supplement water quality monitoring data to address issues related to potential Contaminants of Emerging Concern (CEC's), nitrogen, and pathogens in the Towns' groundwater system and public water supplies. This project continues groundwater evaluations initiated in the 1990's; and will integrate the information into the Town's

ongoing Nutrient Management Planning Project and Comprehensive Wastewater Management Planning Project.

Project Justification: This is a requirement of the Cape Cod Commission as part of a 2007 approval of the Wastewater Facilities Plan as well as a Cape Cod Commission recommendation as part of a 2012 regulatory review (MEPA) on the Town's ongoing Nutrient Management Planning Project and Comprehensive Wastewater Management Planning (CWMP) Project. These water quality evaluations are needed to understand the issues of Contaminants of Emerging Concern in the groundwater system and potentially in the Town's drinking water system.

Work Accomplished Prior Project:

Town-wide Wastewater Facility Planning and Improvements (1990 to 2007):

- Completed Groundwater Conditions Report dated 1993
- Upgraded and expanded Hyannis WPCF
- Expanded and improved wastewater collection system with sewer improvements and extensions, and pump station improvements and new installations
- Ongoing groundwater monitoring as part of Hyannis WPCF operations and discharge permit compliance

Hyannis Area Water Supply Planning and Improvements (2005 to present):

- Purchased Hyannis Water Company in 2005 and integrated this water supply into the Town's DPW with a new oversight board, operations staff, and contract operations
- Completed Hyannis Water System Master Plan in April 2007
- Ongoing Implementation of the 2007 Master Plan

Town-wide Nutrient Management Planning (2005 to present):

- Completed two initial reports: Needs Assessment and Alternatives Screening Analysis Reports of the Comprehensive Wastewater Management Plan in 2010
- Evaluated water quality in freshwater ponds and lakes in 2009 (this was a component of the Needs Assessment Report)
- Evaluated water quality and nitrogen limits in coastal estuaries as part of Massachusetts Estuaries Project (2005 to present)

Impact of Denial/Postponement: The impact will be confusion and misunderstanding on the Town's groundwater and drinking water quality and lack of direction on how the Town will address the issues of nitrogen and Contaminants of Emerging Concern in the groundwater and drinking water system in the future. Also, if the past Cape Cod Commission approval conditions are not met, the Commission may require additional actions.

Project Cost Estimates: \$230,000

Project Estimated Completion Date: June 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 230,000	Initial Evaluation
2015	\$ 150,000	Implementation and further evaluation
2016	\$ 150,000	Implementation and further evaluation
2017	\$ 40,000	Implementation and further evaluation
2018	\$ 40,000	Implementation and further evaluation

Source of Funding: General Fund

Operating Budget Impact: None

Supplemental Information: The Town and DPW needs to develop a better understanding and control of the issues related to contaminants of emerging concern and the Town's groundwater and

drinking water. This project will be Town-wide with emphasis on the Hyannis area as required by the Cape Cod Commission requirements. This project bridges the management responsibility of Water Supply, WPCF, as well as those responsible for Septic Systems.

PROJECT: PW-14 -22

DEPARTMENT PRIORITY: 22 of 23

Project Working Title: HYANNIS WPCF SEWERCAD MODEL EXTENSION

Project Location: Hyannis and Barnstable Villages where the existing wastewater collection system is located

Project Description: This effort is needed to extend an existing SewerCAD computer model of the downtown portion of the collection system to include the complete collection system.

Project Justification: This is a requirement of the Massachusetts Executive office of Energy and Environmental affairs (EOEEA) on the Town's Nutrient Management Planning (NMP) Project as part of that project's regulatory review. This is needed information as the Town decides the best way to connect additional users to the system to improve water quality problems in Town and lower unit costs of the WPCF as more users connect.

Work Accomplished Prior Project:

Town-wide Wastewater Facility Planning and Improvements (1990 to 2007):

- Developed a SewerCAD model for the Downtown portion of Hyannis as part of Growth Incentive Zone (GIZ) evaluations
- Upgraded and expanded Hyannis WPCF
- Expanded and improved wastewater collection system with sewer improvements and extensions, and pump station improvements and new installations

Town-wide Nutrient Management Planning (2005 to present):

- Completed two initial reports: Needs Assessment and Alternatives Screening Analysis Reports of the Comprehensive Wastewater Management Plan in 2010

Impact of Denial/Postponement: The impact will be lack of information on how to connect new users to the Hyannis WPCF to address water quality problems identified as part of the Comprehensive Wastewater Management Planning Project. Higher costs will be estimated and/or incurred if the Town does not have a flexible tool to inform their wastewater planning and budgeting decisions.

Project Cost Estimates: \$70,000

Project Estimated Completion Date: January 2014

Project Cost/Description FY 2014:

2014	\$70,000	SewerCAD model expansion to complete collection system
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Source of Funding: General Fund

Operating Budget Impact: This project could save hundreds of thousands of dollars to connect new users to the Hyannis WPCF.

Project Working Title: RUSHY MARSH POND RESTORATION PROJECT
Project Location: Main St. Cotuit, near Oregon way-to-water

Project Description: Project seeks to re-establish a permanent connection from Rushy Marsh Pond to Nantucket Sound. The Pond has a tenuous connection to the sea through an 18” pipe that frequently becomes clogged with sand and vegetation thereby reducing or eliminating flushing of the Pond. This has resulted in stagnant, polluted conditions within the pond. In addition, during heavy rain, the pond floods Main Street, thus compromising emergency services in the locality. The new discharge structure will provide for the release of this excess water and will significantly improve water quality within Rushy Marsh Pond, with gains in salt marsh and fisheries habitat. In addition, it is expected that the more saline conditions within the Pond will make it more difficult for invasive phragmites to expand its foothold. Rushy Marsh Pond is a Massachusetts Estuary Project target watershed for nitrogen reduction. The new enhanced discharge structure will help this estuary flush much better thereby reducing nitrogen impacts, and avoiding costly sewerage in future.

Project Justification: While construction was fully funded in FY12 CIP, the Spring 2012 project was quickly compromised by higher-than-anticipated inlet velocities, leading to erosion and the eventual abandonment of the project. The box culvert and inlet has re-filled with sand. Looking ahead, the regulatory climate appears conducive to approval of a rock-hardened inlet design, which would have succeeded in the first instance, if allowed.

Impact of Denial/Postponement: The already degraded water quality will worsen. Additional risk of flooding/ road failure due to rainfall runoff is also expected.

Project Cost Estimates: Design \$ 50,000

Project Estimated Completion Date: September, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 50,000	redesign-permits
2015	\$ 450,000	construction

Source of Funding: General Fund Other: Awarded \$270,750 USDA/NRCS grant in 2010: required to maintain project for 50 yrs; required to complete project by Dec. 31, 2013. Town has requested extension and terms to cover 100% of re-design (not including permitting) and 2/3 of construction costs.

Operating Budget Impact: Maintenance to keep inlet open: 4x per year at \$1,250 /cleaning = \$5,000/yr. To be requested as budget priority package.



5. REGULATORY SERVICES

PROJECT: REG-14 -01

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: **HYDRILLA CONTROL**

Project Location: Long Pond (Centerville) and Mystic Lake (Marstons Mills)

Project Description: This is the 12th year of controlling invasive hydrilla at Long Pond. Hydrilla is capable of causing devastating impact to freshwater ponds, due to its rapid growth rate. It can spread from pond to pond. The Town and MA DCR are partnering on this control project to help Long Pond and to reduce the chance of hydrilla spreading to other ponds in Barnstable. As a result, hydrilla has been drastically reduced. A smaller-scale hydrilla infestation was discovered in Mystic Lake in 2010. With MA DCR and Indian Ponds Association assistance, the plants have been hand-pulled and the areas covered in opaque plastic screens. Halting spread of the hydrilla in Mystic Lake has proven difficult. More extensive suction harvesting by divers will be required in FY2014. Water sampling needed at Mystic Lake and Middle Pond to assess results of alum treatment in 2010.

Project Justification: Our efforts have resulted in drastic decline of hydrilla in Long Pond, the slowing of the expansion of hydrilla in Mystic Lake, and discouraged its spread to other ponds.

Work Previously Accomplished: Efforts to date have resulted in drastic decline of hydrilla in Long Pond and the slowing of the expansion of hydrilla in Mystic Lake.

Impact Of Denial/Postponement: Take-over of Long Pond, Mystic Lake and other Town lakes and ponds by hydrilla, and a much greater cost of control.

Project Cost Estimates: Construction \$ 45,000

Project Estimated Completion Date: December 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$45,000	Sonar Long Pond; harvesting & sampling Mystic, sampling Middle Pond
2015	\$45,000	Sonar Long Pond; harvesting & sampling Mystic, sampling Middle Pond

Source of Funding: General Fund

Operating Budget Impact: None



Long Pond Centerville – Hydrilla control: Sonar treatment in progress

Project Working Title: WEQUAQUET LAKE PROJECT
Project Location: Wequaquet Lake (including Bearse’s Pond & Gooseberry Cove)

Project Description: This project consists of fanwort control at Wequaquet Lake hot spots. Our effort in 2012 was limited to suction harvesting, due to endangered plant habitat. For FY 14, we hope to win state approval for Sonar use at suitable fanwort hot spots.

Project Justification: Fanwort is very invasive, and without control will spread throughout the lake, impacting recreational use.

Work Previously Accomplished: Fanwort control was funded as part of this larger Wequaquet Lake project. Fanwort was suction harvested at 5 locations

Impact Of Denial/Postponement: Fanwort spread will greatly reduce recreation if not controlled.

Project Cost Estimates: Treatment: \$ 35,000

Project Estimated Completion Date: Dec. 2013 for this phase

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 35,000	Sonar treatment, suction harvesting
2015	\$	
2016	\$ 35,000	Sonar treatment, suction harvesting

Source of Funding: General Fund

Operating Budget Impact: None



Fall calm on Wequaquet

Project Working Title: SHOOTING RANGE IMPROVEMENTS
Project Location: West Barnstable Conservation Area, off Service Road

Project Description: Shooting range improvements to enhance range safety and usability; reduce noise generated by firing activities by constructing sound-abating berms; conduct feasibility study on best method of Pb removal and initiate removal of accumulated lead, construct new pistol range, manage storm water run off and define related parking.

Project Justification: The range has existed for many years without any significant improvements. The Department of Environmental Protection (DEP) has indicated that they consider the lead that has been deposited there over the years to be a potential contaminate to ground water. Before the Town will be allowed to make significant improvements at the site, DEP has indicated that incremental remediation must be undertaken. Also, residential development has taken place near the range and residents have begun to complain about the volume of the noise generated by firing at the range. This project will develop a lead management plan, initiate the remediation of existing lead, construct storm water management systems, create a new pistol range, increase safety and reduce the noise of range activities by the construction of sound-abating berms.

Work Previously Accomplished; Master Plan completed

Project Cost Estimates: Design \$ 50,000 Construction \$ 146,500

Project Estimated Completion Date: June 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 196,500	Construct noise-abating berm & new pistol range
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Source of Funding: General Fund

Operating Budget Impact: None



Pistol range prior to flood-proofing

6. SCHOOLS

PROJECT: SCH-14 -01

DEPARTMENT PRIORITY: 1 of 16

Project Working Title: UPGRADE TO HIGH SCHOOL FIRE, INTRUSION, & COMMUNICATION SYSTEM

Project Location: 744 West Main Street

Project Description: Replacement of existing Simplex system, current system is obsolete, (panel, smokes, heats, pull, horn strobes, PA speakers, etc.) This cost estimate considers complete parallel installation of a new system. Upgrades to existing system using Simplex hardware and existing wiring could reduce cost estimate by 50%. Due to the size and complexity of this project, we are recommending performing the work in four phases over a period of 4 years.

Project Justification: We are consistently experiencing significant faults and issues with the existing fire, intrusion, and communication system(s). Some areas of the building do not have sufficient audible/visual coverage. Due to the proprietary nature of the existing system, maintenance of the system has presented a challenge for private contractors (past and present). Simplex has “never” worked on the system. Hyannis Fire Department has strongly recommended upgrades and/or replacement with concerns for reliability and compliance to standards.

Impact of Denial/Postponement: Denial or postponement of this project jeopardizes the safety and security of our students, public, and property.

Project Cost Estimates: Construction: \$200,000

Project Estimated Completion Date: September 2017

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 200,000	New Fire Panel and Smokes, Pulls, Horn/Strobes (Phase I)
2015	\$ 200,000	Smokes, Heats, Pulls (Phase II)
2016	\$ 300,000	Smokes, Heats, Pulls (Phase III)
2017	\$ 300,000	Smokes, Heats, Pulls, Intrusion, Communication (Phase IV)

Source of Funding: General Fund

Operating Budget Impact now or in future: Upgrade or replacement of system will reduce the cost of constant repairs (\$10K/yr) and provide more reliable coverage reducing liability for extensive damage/repairs.

Supplemental Information: New system development and design enhancements will rely heavily on inputs from Hyannis Fire Department.

PROJECT: SCH-14 -02

DEPARTMENT PRIORITY: 2 of 16

**Project Working Title: INFRASTRUCTURE IMPROVEMENT FOR THE BPS NETWORK:
ACCESS TO INTERNET AND EDUCATIONAL RESOURCES**

Project Locations:

School Administration Building, 230 South Street, Hyannis
Barnstable High School, 744 West Main Street, Hyannis
Barnstable Intermediate School, 895 Falmouth Road, Hyannis
Barnstable United, 730 West Barnstable Road, Marstons Mills
Barnstable Community Horace Mann Charter Public School, 165 Bearse’s Way, Hyannis
Barnstable West Barnstable Elementary, 2463 Main Street, Barnstable
Centerville Elementary, 568 Bay Lane, Centerville
Hyannis West Elementary, 549 West Main Street, Hyannis
West Villages Elementary, 760 Osterville-West Barnstable Road, Marstons Mills
Osterville Elementary, 350 Bumps River Road, Osterville

Project Description: The funding of this capital improvement project will allow all of the Main Distribution Frame (MDF) closets and Intermediate Distribution Frame (IDF) closets in eight schools to be upgraded with switches that can handle bandwidth speeds up to 10 Gigabit. The requested project is for installation of the following:

- HP E5412-92G-POE switches,
- HP E2910-24G-POE switches,
- Miscellaneous parts for installation of switches,
- Single mode fiber optic cable, and its installation, by contracted vendors
- Halon fire suppression in server rooms, and its installation by contracted vendors
- Air condition system in server rooms, and its installation by TOB/School maintenance
- UPS Battery backups

In addition, this capital improvement project will also fund the construction of a managed wireless network in the district to support the demand for increases connectivity of mobile device and computers. The requested project is for installation of the following:

- 95 Dual Radio, 3x3 MIMO, 3 SS, Access Point
- 95 Cat 6 cabling to switches
- 3 PoE Power Injector 1 GB

Note that this part of the project is a managed wireless network. Access points are connected via Cat 6 cabling and directly connected to the switches within buildings. They must be configured to our internal connections in order to manage and provide security to our network. The access points selected are a business or educational solution, which allows many connections to each point.

Background and Significance of broadband speeds and the relationship to the hardware/infrastructure request:

Currently, we have connections to the Internet via Broadband cabling (pipeline) that Comcast provides to schools free of charge. Those speeds are generally 6 megabits (600 bits per second) coming 'in' and 1 megabit (100 bits) going 'out'. This speed is equivalent to what most ordinary citizens have in their homes; and it is serving whole elementary schools of approximately 300 students and staff. It is neither adequate nor sufficient to run an educational institution. At some of the schools, we have had to purchase additional bandwidth which increases our speeds to 50 megabits (5000 bits per second) in and 20 megabits (2000 bits per second) out. This bandwidth is neither adequate nor sufficient to run an educational institution. We must increase out bandwidth; bandwidth is mission critical to our daily operations. (NOTE: No funding of bandwidth is asked for.) Barnstable Public Schools technology operating budget will fund increased speeds for improved educational opportunities. The schools will also have the opportunity to have access to a 10 gigabit broadband connection in the next year, when the Open Cape project is completed.

Outcome: Barnstable Public Schools needs to build the infrastructure that supports these larger bandwidths ("pipeline").

With that said, a switch routes all the traffic on the 'pipeline'; a switch can be described as a 'traffic cop', routing the traffic (packets), in and around the network, reading the 'addresses' and sending them to the appropriate place, anywhere all over the world. Currently our switches can handle speeds of 100 mb. With bigger bandwidth, bigger switches are needed. The proposed switches will be able to accommodate bandwidth of 10 gigabit, or 1000 megabits, (1,000,000 bits) which is 10 times faster than our current situation.

The following table provides the current situation of Broadband speeds and the increased demand for Bandwidth speeds in comparison the requirements of new switches.

Recall: with bigger bandwidth, bigger switches are needed.

Current Speeds of Broadband Internet Access		Current Switch Speeds	Recommended Switch Speeds
Cable Comcast Modem	6 megabits down 1 megabit up	100 megabit	10 Gigabits
Free	6mb/1mb	100mb	10G
Business Class Service Comcast	50 megabits down 20 megabits up	10 times faster for improved performance	
\$180.00 per month per building	50mb/20mb		
Recommended increase in Bandwidth speeds for 2013-2014 school year and beyond			
Minimum Recommended Speeds	100 megabits down 100 megabits up		
\$1500 per month	100mb/100mb		
10 times faster for improved performance			
Open Cape 1 Gigabit	1000 megabits down 1000 megabits up		
FREE	1000mb/1000mb 1 Gb/1Gb		
20 times faster for improved performance			
The recommended switches will also handle POE, Power Over Ethernet, which power and manage any wireless device that is put in place.			

Project Justification: The Town of Barnstable will complete the construction on the Barnstable Fiber Optic Network (BFON) in December of 2012. This will connect every municipal and school building with fiber optic cable and provide ONE high end switch in each of the main closets for each of the school buildings; this capital improvement project requests the purchase of additional switches that the town project will not fund. Once we connect our buildings, we must allow for those speeds and connections to flow internally across schools and classrooms to the end user.

The Open Cape Corporation has been awarded \$32 million dollars and with matching state funds of \$8 million dollars to construct a 350 mile core fiber optic backbone on Cape Cod which will connect to two major regional networks in Providence and Brockton. Both the Town of Barnstable at 367 Main Street and Barnstable High School at 744 West Main Street, along with seven other libraries within the Town of Barnstable, are serving as 'anchor institutions' that will have a direct connection to the backhaul. According to Tony DaSilva of Cape Net, the company who has been awarded the construction contract of the Open Cape Project, the Barnstable 'leg' of the project is expected to be completed by December of 2012. Many miles of fiber have been laid; the project is well under way.

Barnstable High School, as an anchor, will be provided, free of charge, Internet access of 1 gigabit, shared with the other 15 towns that reside/connect on the OPEN CAPE infrastructure. With the connection provided by Open Cape/Cape Net, we can then configure our network and push out Internet access through the Barnstable Fiber Optic Network to all of the schools in the Town of Barnstable. Most educational resources reside 'in the cloud' and more and more resources and tools are put there everyday. Internet access is mission critical to our work. We must prepare our internal connections for this increased access to the Internet and other educational resources we provide to our students.

In essence, we are future proofing our network to accommodate the increased needs of student access for the next five years, at a minimum. Technology must be leveraged in the educational realm to provide more engaging and powerful learning experiences. Over 5300 students and 800 staff in our schools access the Internet for information and educational resources on a daily basis. It is our obligation to educate our students to prepare them for the future. Without technology and technology skills, our students are in jeopardy of falling behind their peers, and will be unable to compete in a global environment/economy.

With consideration of the Town of Barnstable Fiber project and the opportunities that Open Cape will provide to the educational institution (fiber optic connects and big bandwidth), the town and school department now has an unprecedented opportunity to create a 21st learning educational institution in a way that will truly prepare our students to compete in the global economy. Mobile technology and wireless access plays a critical role by equipping students and teachers with 24/7 access to learning communities and information. As mobile devices become ubiquitous, students are utilizing them to facilitate learning and enhance productivity in and out of school.

The explosion of wireless technologies has created a new dimension in education. This project will have a significant educational impact on BPS. The use of mobile learning devices for productivity, organization, collaboration and learning is highly personal and extremely customizable. Wireless, which provides "anytime, anywhere," access to resources, can have a tremendous impact on teaching, learning, and student collaboration. According to Chis Dede, the Timothy E Wirth Professor in Learning Technologies at Harvard University defines MOBILE LEARNING as "learning a variety of content and skills anytime, anyplace with a small device light enough to be carried in one hand."

There is political interest to invest in the future of education through Race to the Top. There is a national vision for teaching and learning that are beautifully outlined by the National Education Technology Plan (and the National Broadband Plan). The district technology department supports a vision of an educational system where every student has a technology device in their hand, connected to the Internet and the educational resources that support teaching and learning. A wireless infrastructure that gives students access, anytime and anywhere can support that vision. Students learn best by doing, and the best learning is personalized to each student, and that learning becomes richest through collaboration with peers, mentors, experts, and indeed a whole learning community. We have an opportunity to deploy the technology to enable students to take charge of their learning

The 2010 National Technology Plan <http://www.ed.gov/sites/default/files/NETP-2010-final-report.pdf> published by The National Educational Department in Washington DC, has created a model of 21st century learning. Some key points of a 21st century learning environment include:

- A comprehensive infrastructure for learning that provides every student and education with the resources they need when and where they are needed.
- A movement to beyond the traditional model of teaching and learning to a learning model that brings the world into the student's hands. The focus is not on the technology, it is the information that becomes available to them when they need it. It is about access.
- Powerful technology resources that are 'always on' and are available for increased learning, no matter what time of day, or where they are. The infrastructure facilitates access to information, multimedia content; it facilitates collaboration and creativity across disciplines, organizations, international boundaries and cultures.

Moreover, Goal 4.0 of the National Educational Plan states:

"All students and educators will have access to a comprehensive infrastructure for learning when and where they need it.

To meet this goal, the challenge for districts to provide are to:

- 4.1 Ensure that students and educators have adequate broadband access to the Internet and adequate wireless connectivity both inside and outside school.
- 4.2 Ensure that every student and educator has at least one Internet access device and software and resources for research, communication, multimedia content creation, and collaboration for use in and out of school”.

At the state level, the Massachusetts Department of Elementary and Secondary Education (also has recommendations regarding an infrastructure to support teaching and learning. Benchmark 5 Infrastructure for Connectivity addresses our need for improvements in our infrastructure. Standards 5.1.1, 5.2.2., and 5.3 stress the need for internet access to each classroom including wireless access to all for teachers and students to use educational resources and learning environments that are increasingly hosted on-line (http://www.doe.mass.edu/edtech/tplanguide04_07.html)

Additionally, the Massachusetts new common core standards (<http://www.doe.mass.edu/frameworks/ela/0311.pdf>) increases emphasis on communication, collaboration, creation of media rich content and publishing skills required for college and career readiness. In order to meet these standards students and teachers need to utilize Internet based tools to reach these goals. A strong robust infrastructure is necessary to meet this increasing demand. Standard MA3.A.6 states:

- Students will use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamical.

In review of *the Speak Up 2009* data and outlined in the report “*Creating Our Future: Students Speak Up about their Vision for 21st Century Learning*” students state a clear preference for using mobile devices that allow them to work un-tethered from traditional school boundaries. They also desire the opportunity to learn using digitally-rich curriculum and have a preference for learning through collaboration with peers. Through mobile devices and instant access to the Internet through a wireless connection, students now see the world as their classroom. They have clearly stated that using mobile devices anytime or anywhere to learn will help them improve their personal productivity and learning. Today’s students are taking more and more responsibility for their learning into their own hands (Project Tomorrow 2010).

At the local level, an education institution that is redesigned with 21st century learning at the forefront is very attractive to families with school age children. A top level educational institution can be a plus for the town and its economic development. Families will want live, work and educate their students in the Town of Barnstable. The Barnstable School Committee and its Superintendent wish to become a showcase district on the Cape and through school choice retain, recruit and attract children in the Cape area to be educated here in Barnstable.

Impact of Denial/Postponement:

Denial or Postponement of this request will force us to work in less than adequate conditions and provide inadequate bandwidth. Students, Teachers and Staff will become frustrated with technology, and turn away from it. They will look upon their attempts to infuse technology as wasted time.

Technology tools should be ubiquitous in the educational process; it is a means to an end. The infrastructure and its various technologies should be reliable and dependable. Unfortunately, when students walk into Barnstable Public Schools, they ‘power down’.

If improvements are not made, Barnstable Public Schools would be ignoring the recommendations of a 21st century and we would be putting our students at risk for failure. Without an upgrade to our internal connections, we cannot offer our students a top notch education.

Moreover, without improvements to our infrastructure the opportunity of Open Cape, all of its bandwidth speeds will surround us, but we will not be able to ACCESS in our buildings and classrooms.

While the optimum timeline and funding request is to complete this project in its entirety in one year, as access to information for our student body is of an immediate need, the project could be managed over a 2-3 year rollout. Schools would be selected based on most impact, and a priority list has been created in order to accommodate funding over a 2 -3 year period.

Project Cost Estimates: FY2014 Hardware & Installation: \$189,000

Project Estimated Completion Date: September 2016

Method of Project Accomplishment: The fiber optic cabling and halon fireproofing installation will be installed by an outside vendor. In consideration that no staffs with those areas of expertise are employed in the Town of Barnstable, the cost is included in the funding request. The remaining equipment will be installed by current staffing with no additional costs to the town.

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 189,000	hardware and installation
2015	\$ 191,533	hardware and installation
2016	\$ 173,326	hardware and installation

Year One

Network equipment and single mode fiber optic cabling that, in conjunction with the switches purchased by Town with BFON money, will complete 10GB backbone between all network closets at all schools. This will offer 1GB to staff desktops, 1GB/PoE capability for enterprise class wireless and prepare us for IPTV to classrooms and VoIP telephone to all rooms.

Year Two

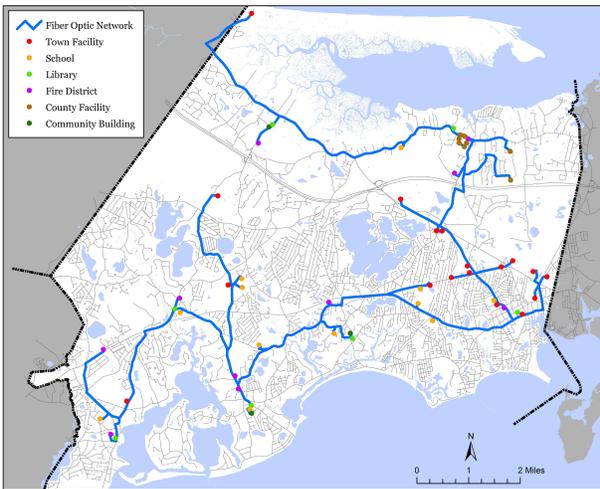
Wireless access points and Cat6a cabling in ceilings to complete a managed, secure enterprise class wireless coverage for all school and administration buildings.

Year Three

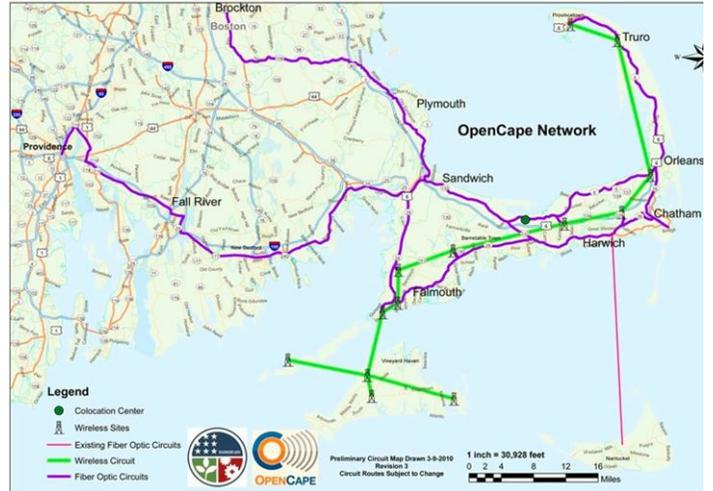
Network equipment to add adequate switches and port counts to complete 1GB connections to all staff, pupils and computer labs in all schools and administration buildings. At this point, old 100MB equipment will become surplus.

Source of Funding: General Fund

Operating Budget Impact: The bandwidth usages will be monitored closely. It may be that additional bandwidth will have to be purchased over time. Both Comcast and Cape Net has submitted a quote for 100 megabits of bandwidth, and will be considered for the fiscal year 2013-2014 school years. An average monthly bill for 100 mg is approximately \$1500.00 dollars. That cost is ERATE-able through the USAC funding for schools and libraries, and reimbursement is based on free and reduced lunch counts. Increased bandwidth can be increased by 100 megabit increments.



Barnstable Fiber Optic Network



Open Cape Network



Switches and Cables in Closet



Technology Closet

PROJECT: SCH-14 -03

DEPARTMENT PRIORITY: 3 of 16

Project Working Title: HIGH SCHOOL LIBRARY AIR CONDITIONING UNIT REPLACEMENT
Project Location: 744 West Main St, Hyannis

Project Description: Remove and replace three (3) existing Nesbitt HVAC Units (2-25T & 1-35T).

Project Justification: These units provide all HVAC service to the BHS Library, are 40+ years old and are definitely at the end of life. The compressor equipment in all units are failing and spring/summer/fall conditions in the space are becoming uncomfortable.

Impact of Denial/Postponement: Denial or postponement of this project could adversely affect environmental conditions in the library in the event that any one of the units should fail during the cooling season. Currently, one (1) 25T unit is failing to provide adequate cooling which is taxing the capacity of the remaining units.

Project Cost Estimates: Construction \$ 450,000

Project Estimated Completion Date: August 16, 2012

Project Cost/Description FY 2014 and Follow-On Years:
2014 \$ 450,000 Replace BHS Library A/C Units (3)

Source of Funding: General Fund

Operating Budget Impact now or in future: Replacement of existing units will provide more efficient cooling and reduce preventative maintenance costs, (costs to replace 3 condensers alone at \$40,000 total).

PROJECT: SCH-14 -04

DEPARTMENT PRIORITY: 4 of 16

Project Working Title: WEST VILLAGES HEAT HOT WATER CIRCULATING PUMP REPLACEMENT

Project Location: 760 Osterville-West Barnstable Road

Project Description: Replace current hot water circulating pump sets and reconfigure pump station for more efficient flow and use of space. Current pump set is obsolete; one (1) pump has failed and is beyond repair, parts are not available.

Project Justification: Entire pump set needs replacement, continual failure of pumps and dependency on remaining capacity creates the risk for major failure, loss of flow with a loss of heating in entire building.

Impact of Denial/Postponement: Could case loss of building heat capacity during winter months resulting in system freeze up and extensive damage.

Project Cost Estimates: Construction: \$85,000

Project Estimated Completion Date: August 15, 2013

Project Cost/Description FY 2014 and Follow-On Years:
2014 \$ 85,000 Three H/W circulating pumps, piping, & install

Source of Funding: General Fund

Operating Budget Impact now or in future: New pump set will reduce operating and maintenance costs over existing system.

PROJECT: SCH-14 -05

DEPARTMENT PRIORITY: 5 of 16

Project Working Title: GYM BLEACHER UPGRADES AND SAFETY IMPROVEMENTS

Project Location: 744 W. Main St/730 Osterville-W. Barnstable

Project Description: Provide modification and upgrades to gym bleachers at both Barnstable High School and United 4/5 Elementary School. BHS improvements and upgrades to mechanisms used for the extension, retraction, and locking of bleachers and safety upgrades for railings and safety barriers.

United 4/5 bleacher improvements include upgrades to extension/retraction mechanisms, safety barriers and the replacement of undersized drive motors used to open and close units.

Project Justification: The bleachers at both locations (BHS&U4/5) require upgrades for state/federal mandated safety compliance, operational modifications and preventative maintenance. Failure to perform these measures will result in both inoperable units and safety liability.

Impact of Denial/Postponement: Failure to perform minimum repair work to the BHS & United 4/5 bleacher could impact the ability to host spectator sports at both facilities and jeopardize safety.

Project Cost Estimates: FY 2014 Construction:\$55,000

Project Estimated Completion Date: August 15, 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 55,000	Repairs & Upgrades to BHS & U 4/5 ES Bleachers
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Source of Funding General Fund

Operating Budget Impact: Will reduce constant PM costs required to maintain minimum functionality.



Bleacher in closed position. Note floor damage due to faulty mechanism.

PROJECT: SCH-14 -06

DEPARTMENT PRIORITY: 6 of 16

Project Working Title: UNITED 4/5 ELEMENTARY ROOFING AND TRIM REPLACEMENT
Project Location: 730 Osterville-W. Barnstable Road

Project Description: Replace failing roof system and associated trim at 4/5 school and school's waste water treatment facility.

Project Justification: Existing roof and trim are rapidly deteriorating and in need of replacement. During the "Hurricane Sandy" storm, we lost many shingles, it is now very likely that we will continue to loose shingles at a higher than usual rate increasing the likelihood for interior leaks.

Impact of Denial/Postponement: Further deterioration of roof, high probability of leaks and water and structural damage.

Project Cost Estimates: Design: \$40,000 Construction \$560,000

Project Estimated Completion Date: September 1, 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 600,000	Design and construction of replacement roofing system and trim.
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Source of Funding: General Fund Other: A Statement of Interest will be submitted to the Massachusetts School Building Authority for this project. Potential funding offset of approximately thirty-seven percent of construction and design costs may be available if selected. While funding is uncertain, window, roof and boiler replacement projects have received accelerated funding in recent years. Availability of local funding is reviewed favorably in the MSBA project selection process.

Operating Budget Impact: Roof replacement will significantly reduce operating budget expenses for roof repairs which will definitely be required if the roofing is not replaced.

Supplemental Information: It is anticipated that the school department utilize internal town staffing capacity in the project management phase of the project.



Sloped roof shingle damage (missing tabs) throughout entire roof area.

PROJECT: SCH-14 -07

DEPARTMENT PRIORITY: 7 of 16

Project Working Title: BARNSTABLE INTERMEDIATE SCHOOL FAÇADE & ROOF IMPROVEMENTS

Project Location: 895 Falmouth Road, Hyannis

Project Description: Extensive Capital required (~\$5M) to fund costs required for extensive exterior repairs identified in Exterior Evaluation Study performed by Gale Associates in December 2009.

Project Justification: If allowed to go unchecked and unrepaired, building envelope will continue to deteriorate, allow leakage and create the opportunity for water damage and the potential health and environmental quality issues.

Impact of Denial/Postponement: Continued deterioration of facility will result in interior water damage, additional exterior problems and potential health/safety issues.

Project Cost Estimates: FY 2014 Design:\$100,000

Project Estimated Completion Date: September 2017

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 100,000	Design/Spec/Bid/Schedule Phase
2015	\$1,000,000	Construction Phase II
2016	\$1,000,000	Construction Phase III
2017	\$1,000,000	Construction Phase IV
2018	\$1,000,000	Construction Phase V

Source of Funding: General Fund

Operating Budget Impact: In addition to safety & building considerations, energy savings will be appreciable due to improvements to window/door/roof/HVAC flashings and weather sealing.

Supplemental Information: This project could benefit from collaborative effort between DPW/School resources for project management of overall project.



PROJECT: SCH-14 -08

DEPARTMENT PRIORITY: 8 of 16

Project Working Title: BARNSTABLE PUBLIC SCHOOLS GROUNDS EQUIPMENT UPGRADES

Project Location: 835 Falmouth Road

Project Description: Capital request for facilities equipment required to maintain and service Barnstable Public School Facilities, (mower, tractor, aerator, broadcast spreader).

Project Justification: Existing mower is ~ 14 years old, need tractor and attachments for routine field maintenance.

Impact of Denial/Postponement: Denial of this request could result in issues maintaining campus turf and fields in the event that our primary mower (Toro Groundmaster 5900) becomes un-repairable.

Project Cost Estimates: Purchase: \$150,000

Project Estimated Completion Date: 2014

Project Cost/Description FY 2014 and Follow-On Years:
2014 \$ 150,000 Mower, tractor, attachments

Source of Funding: General Fund

Operating Budget Impact now or in future: More efficient grounds maintenance.



Current Mower

PROJECT: SCH-14 -09

DEPARTMENT PRIORITY: 9 of 16

Project Working Title: **REMOVAL OF MODULAR CLASSROOMS**
Project Locations: BWB ES @ 2463 Main St., W. Barnstable; Centerville ES @ 744 W. Main St., Hyannis; Hyannis West ES @ 549 W. Main St., Hyannis

Project Description: Remove existing modular and assess alternative space.

Project Justification: Existing modular are all greater than 20 yrs old, have sustained water and wind damage and are becoming unsuitable for occupancy.

Impact of Denial/Postponement: Denial of this project could cause classroom capacity issues should the current modular units become unusable.

Project Cost Estimates: FY 2014 Design \$25,000 Construction \$ 100,000

Project Estimated Completion Date: September 2013

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$125,000 Removal of modular & space assessment

Source of Funding: General Fund

Operating Budget: Eliminates emergency repairs



Modular Classrooms

PROJECT: SCH-14 -10

DEPARTMENT PRIORITY: 10 of 16

Project Working Title: **WALK-IN COOLER UPGRADES AND REPLACEMENTS**

Project Location: BHS, HYW, Centerville

Project Description: Replace and upgrade existing walk-in cooler systems at BHS, HYW, and Centerville ES. All units will require new boxes and mechanicals; existing coolers are poorly insulated and the systems are water cooled and inefficient.

Project Justification: We have been experiencing numerous failures with existing systems which have resulted in the loss of food. Replacement with new/more efficient equipment will reduce food loss and energy consumption.

Impact Of Denial/Postponement: Denial in approval will result in additional expense for repairs to operate old equipment and replacement of spoiled food.

Project Cost Estimates: Construction:\$60,000

Project Estimated Completion Date: September 2014

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$60,000 Replacement of BHS equipment

2015 \$150,000 Replacement of HYW & Centerville Equipment

Source of Funding: General Fund

Operating Budget Impact: Replacement of units will result in reduction of maintenance costs and energy usage.



Walk –in Cooler and Compressor

PROJECT: SCH-14 -11

DEPARTMENT PRIORITY: 11 of 16

Project Working Title: UNDERGROUND OIL STORAGE TANK REMOVAL, (HYWEST & CENTERVILLE)

Project: 549 W. Main Street and 658 Bay Lane

Project Description: Removal and disposal of 1-500 gal & 2-10,000 gal UST's; request includes services of licensed UST operator for removal and compliance.

Project Justification: Both locations have been converted to natural gas and the tanks need to be removed.

Impact Of Denial/Postponement: Possibility of leak, contamination, eventual failure/cave-in.

Project Cost Estimates: FY 2014 Design: \$ 20,000 Construction: \$ 80,000

Project Estimated Completion Date: August 15, 2012

Project Cost/Description FY 2014 and Follow-On Years:

2014 \$ 100,000 Removal of UST's at HYWest and Centerville ES

Source of Funding: General Fund

Operating Budget Impact: Removal of UST's now will reduce risk of additional clean-up costs and liabilities associated with contamination of failure vessel.

Project Working Title: BARNSTABLE PUBLIC SCHOOLS KITCHEN EQUIPMENT UPGRADES

Project Location: All Barnstable Public School Kitchens

Project Description: Campus wide replacement and upgrade of kitchen equipment.

Project Justification: Existing equipment in most schools nearing 20 year end of service life. Menu requirements are changing, necessitating the need for updated equipment sets.

Impact of Denial/Postponement: Denial or postponement of this request will impact the quality and quantity of meals served at BPS. We are currently experiencing issues with food preparation and delivery due to equipment failures, which are difficult to repair due to issues in obtaining replacement parts and service.

Project Cost Estimates: Replacement: \$50,000

Project Estimated Completion Date: Sept 2018, will replace/upgrades over a period of 5 years

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$50,000	Phase I BPS Kitchen Upgrades
2015	\$50,000	Phase II BPS Kitchen Upgrades
2016	\$50,000	Phase III BPS Kitchen Upgrades
2017	\$50,000	Phase IV BPS Kitchen Upgrades
2018	\$50,000	Phase V BPS kitchen Upgrades

Source of Funding: General Fund

Operating Budget Impact now or in future: Reduced maintenance costs with newer equipment.



Examples of Equipment to be Replaced

Project Working Title: PERFORMING ARTS CENTER UPGRADES & IMPROVEMENTS
Project Location: 744 West Main Street

Project Description: Capital upgrades to stage, lighting, audio, rigging, fire curtain/hatches, seating, curtains and etc. Estimate ~ \$25,000 for design services required for audio and stage lighting upgrades.

Project Justification: The PAC is heavily used by our students and community, the recommended upgrades are essential to the proper and safe operation of the facility.

Impact of Denial/Postponement: Denial of this request increases the Town & Schools liability in the event of rigging or fire suppression system failure.

Project Cost Estimates: Future: FY15 & 16 Design: \$25,000 Construction:\$175,000

Project Estimated Completion Date: December, 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$ 0	
2015	\$100,000	Design and PAC upgrades (rigging, curtains, lighting)
2016	\$100,000	Upgrades including audio, seating, paint, electrical.

Source of Funding: General Fund

Operating Budget Impact now or in future: Will use energy newer high efficiency lights for energy cost savings.

PROJECT: SCH-14 -14

DEPARTMENT PRIORITY: 14 of 16

Project Working Title: REBUILD AND/OR REPLACEMENT OF PUMP SETS AT UNITED 4/5 ELEMENTARY SCHOOL

Project Location: 730 Osterville-W. Barnstable Rd

Project Description: Rebuild/replacement Hot Water circulation pumps

Project Justification: Pump sets are at end of life, need replace/rebuild to circulate water for heat.

Impact of Denial/Postponement: Unit failure will greatly affect heating and ventilation in large areas of the high school.

Project Cost Estimates: Future FY 15 Construction \$ 75,000

Project Estimated Completion Date: Sept 2016

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$	
2015	\$75,000	Rebuild/replace pump sets

Source of Funding: General Fund

Operating Budget Impact now or in future: We will realize savings in both energy and maintenance costs by going to newer/more efficient units.



Typical Circulation Pump Set

PROJECT: SCH-14 -15	DEPARTMENT PRIORITY: 15 of 16
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Project Working Title: HIGH SCHOOL ROOF TOP VENTILATOR REPLACEMENT
Project Location: 744 West Main Street

Project Description: Remove and replace Roof Top Units 1, 2, 4, 5, & 6

Project Justification: Existing units are 70”s vintage Nesbitt which is no longer in business. The units are obsolete and parts are difficult to get.

Impact of Denial/Postponement: Unit failure will greatly affect heating and ventilation in large areas of the high school.

Project Cost Estimates: See below.

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0	
2015	\$0	
2016	\$450,000	Replace RTU’s 4, 5, & 6
2017	\$300,000	Replace RTU’s 1 & 2

Source of Funding: General Fund

Operating Budget Impact: Will realize savings in both energy and maintenance costs by going to newer/more efficient units.

PROJECT: SCH-14 -15	DEPARTMENT PRIORITY: 16 of 16
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Project Working Title: EARLY LEARNING CENTER
Project Location: Hyannis West Elementary Campus

Project Description: Construction of a 10 plus classroom (approximately 13,000 square feet) addition at the Hyannis West Elementary school. The new construction would house the district wide early learning program and the Hyannis West Elementary Kindergarten students. Sustainable features would be included in the design such as white roofing, energy recovery ventilators, and microbial (mold resistant) drywall to give the students an optimal learning environment.

Project Justification: The Barnstable Public School system has closed five schools over the last ten years. The reduction in campuses, a result of declining enrollment and limited budget resources along with changing education requirements and student needs, has resulted in overcrowding and students being educated in inappropriate spaces in our elementary grades. To provide greater educational opportunities for the Pre-school and Kindergarten grades, the addition of no less than ten classrooms is proposed for the Hyannis West Elementary Campus. The addition (permanent modular or traditional construction) would house the districts Inclusive Pre-School program currently located at Centerville Elementary and the Kindergarten population of Hyannis West. The proposed addition will provide an age appropriate environment to support the education of a vulnerable student segment in the early learning grade levels while alleviating student concentrations in K-3 sites district wide.

Impact Of Denial/Postponement: The continued use of age inappropriate spaces for early grade level students and space limitations for classroom and support services (multi-media, library, occupational and physical therapies) district wide.

Project Cost Estimates: FY 2015 Design \$ 50,000 Construction \$4,500,000

Project Estimated Completion Date: June 2015

Project Cost/Description FY 2014 and Follow-On Years:

2014	\$0
2015	\$4,550,000

Source of Funding: General Fund Other as follows:

1. Approximately \$740,000 available from the sale of surplus school buildings (old Grade 5 Building)
2. Project may be eligible for Massachusetts School Building Authority funding at 37.32% reimbursement

Operating Budget Impact: New premise would utilize existing early childhood staffing with a minimal impact of 0.5 FTE in custodial/maintenance expense. Ongoing new expenses will be incurred for utilities however it will be limited due the energy efficiency of new construction.

Expenses:

FY	No. Positions	Salary Costs	Benefits	Expenses	Total
2014		\$0	\$0	\$0	\$0
2015		\$0	\$0	\$0	\$0
2016	0.5 FTE	\$ 22,000	\$8,000	\$22,000	\$52,000



APPENDIX A

FISCAL YEAR 2014 CAPITAL BUDGET APPROPRIATION ORDERS

APPROPRIATION AND LOAN ORDER 2013-085

Water Supply Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$1,050,000** be appropriated for the purpose of funding the pipe replacement and upgrade program for the Hyannis Water System as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$1,050,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-086

Water Supply Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$200,000** be appropriated for the purpose of Pump Station and Treatment Plant Upgrades as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$200,000** be transferred from the Water Supply Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-087

Water Supply Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$489,500** be appropriated for the purpose of funding the New Well Exploration Program as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$489,500**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-088

Water Supply Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$300,000** be appropriated for the purpose of funding the Air Stripper Upgrade as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$300,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-089
Water Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$540,000** be appropriated for the purpose of funding the New Water Main Loop as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$540,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-090
Sewer Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$190,000** be appropriated for the purpose of funding the Staff Locker Room Construction as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$190,000** be transferred from the Sewer Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-091
Sewer Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$80,000** be appropriated for the purpose of funding the construction of a Backup Pump for the Bearer's Way Pump Station as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$80,000** be transferred from the Sewer Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-092
Sewer Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the Pretreatment Building and Clarifier Evaluation as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** be transferred from the Sewer Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-093
Sewer Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the Hydraulic Load Testing Analysis as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** be transferred from the Sewer Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-094
Solid Waste Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$225,000** be appropriated for the purpose of funding a New Trash Truck as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$225,000** be transferred from the Solid Waste Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-095
Solid Waste Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$190,000** be appropriated for the purpose of funding a New Roll-off Container Truck as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$190,000** be transferred from the Solid Waste Enterprise Fund reserves, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-096
Airport Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$200,000** be appropriated for the purpose of funding the testing, design, and constructing of the Runway 6 Engineered Material Arresting System (EMAS) as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$200,000** be transferred from the Airport Enterprise Fund reserves, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-097
Airport Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$102,000** be appropriated for the purpose of funding the design of a new Fixed Base Operations Facility as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$102,000** be transferred from the Airport Enterprise Fund reserves, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-098
Airport Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$200,000** be appropriated for the purpose of funding airport Terminal and ARFF Building Improvements as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$200,000** be transferred from the Airport Enterprise Fund reserves, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-099
Airport Enterprise Fund Capital Improvement Plan (majority vote)

ORDERED:

That the sum of **\$90,000** be appropriated for the purpose of funding Airfield Access control and Security Upgrades as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$90,000** be transferred from the Airport Enterprise Fund reserves, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-100
Airport Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$260,000** be appropriated for the purpose of funding Airfield Access Control and Security Upgrades as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$260,000**, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-101
Airport Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$7,800,000** be appropriated for the purpose of funding for the design and construction of the main terminal ramp – phase 2; construction of the aircraft deicing pad; the relocation and reconstruction of all of taxiway alpha from runway 33 end to runway 15 end; and other miscellaneous airfield improvements as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$7,800,000**, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-102
Airport Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$810,000** be appropriated for the purpose of funding a New Fuel Farm as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$810,000**, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-103
Airport Enterprise Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$634,000** be appropriated for the purpose of funding the East Ramp Sewer Extension as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$634,000**, and that the Airport Commission is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-104
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$100,000** be appropriated for the purpose of funding the removal of underground oil tanks at school locations as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$100,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Barnstable School Committee is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-105
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$125,000** be appropriated for the purpose of funding the removal of modular classrooms at school locations and an alternative space assessment as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$125,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Barnstable School Committee is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-106
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$1,679,000** be appropriated for the purpose of funding the following seven school facility improvement projects as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager;

School Fire, Intrusion and Communication System Upgrades	\$200,000
School Network Access Upgrades	\$189,000
Grade 4/5 Building Roof & Trim Replacement	\$600,000
Hot Water Circulating Pumps Replacements in Schools	\$85,000
Bleacher Upgrades in Schools	\$55,000
Design of Barnstable Intermediate School Facade & Roof Replacement	\$100,000
New A/C Units at Barnstable High School	\$450,000

and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$1,679,000**, and that the Barnstable School Committee is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-107
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$260,000** be appropriated for the purpose of funding the following two school equipment replacement projects as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager;

School Walk-in Cooler and Kitchen Equipment Replacements	\$110,000
School Grounds Maintenance Equipment	\$150,000

and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$260,000**, and that the Barnstable School Committee is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-108
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$3,250,000** be appropriated for the purpose of funding the repair of the Town's public roads and drainage systems as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$2,836,000** be transferred from available funds within the Town's Capital Trust Fund and that **\$414,000** be transferred from the Town's Sale of Real Estate Special Revenue Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-109
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding a drainage study as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-110
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$35,000** be appropriated for the purpose of funding the design of a parking lot expansion at the Barnstable Senior Center as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$35,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND TRANSFER ORDER 2013-111
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$45,000** be appropriated for the purpose of funding the hydrilla removal project as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$45,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

**APPROPRIATION AND TRANSFER ORDER 2013-112
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)**

ORDERED:

That the sum of **\$35,000** be appropriated for the purpose of funding the fanwort removal project as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$35,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

**APPROPRIATION AND TRANSFER ORDER 2013-113
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)**

ORDERED:

That the sum of **\$90,000** be appropriated for the purpose of funding the assessing records conversion project as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, that **\$90,000** be transferred from available funds within the Town's Capital Trust Fund, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

**APPROPRIATION AND LOAN ORDER 2013-114
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)**

ORDERED:

That the sum of **\$300,000** be appropriated for the purpose of funding the water quality evaluation and sewer CAD model as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager; and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$300,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

**APPROPRIATION AND LOAN ORDER 2013-115
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)**

ORDERED:

That the sum of **\$370,000** be appropriated for the purpose of funding the following two roadway projects as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager;

Bumps River Bridge Repairs	\$120,000
Sidewalk Overlays and Guardrail Replacements	\$250,000

and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$370,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-116
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$2,131,000** be appropriated for the purpose of funding the following thirteen municipal facility improvement projects as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager;

MEA Facility Upgrades	\$131,000
Barnstable Police Station Upgrades	\$168,000
Town Hall Interior Upgrades	\$150,000
Design Highway Facility Lockers, showers, etc.	\$66,000
Structures & Grounds Facility Roof Upgrades	\$103,000
Osterville Community Building Upgrades	\$200,000
West Barnstable Community Building Upgrades	\$72,000
U.S. Custom House Upgrades	\$263,000
Guyer Barn Upgrades	\$148,000
46 & 50 Pearl St. Upgrades	\$114,000
Comprehensive Beach Facility Design	\$115,000
Lombard Parking & Ballfield Design	\$101,000
Tennis Courts Upgrades	\$500,000

and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$2,131,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPROPRIATION AND LOAN ORDER 2013-117
Capital Trust Fund Capital Improvement Plan (2 / 3 vote)

ORDERED:

That the sum of **\$875,000** be appropriated for the purpose of funding the following three waterway improvement projects as outlined in the FY 2014 - FY 2018 Capital Improvement Plan as recommended by the Town Manager;

School Street Bulkhead Replacement	\$142,000
Millway Boat Ramp and Dock Upgrades	\$133,000
Dredging of East Bay	\$600,000

and that to meet this appropriation, the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$875,000**, and that the Town Manager is authorized to contract for and expend the appropriation made available for these purposes and be authorized to accept any grants or gifts in relation thereto.

APPENDIX B CIP GOVERNING REGULATIONS

Charter of the Town of Barnstable – Section 6-5. Capital Improvements Plan

- (a) Preparation. The Town Manager shall, in conjunction with any committee established for such purpose, annually submit a capital improvement program to the Town Council at least thirty days prior to the date for submission of the operating budget; unless some other time is provided by ordinance.
- (b) Contents. The capital improvement plan shall include: (1) a clear summary of its contents; (2) an itemization of all capital improvements, including those of the school department, proposed to be undertaken during the next five fiscal years with supporting data; (3) cost estimates, methods of financing, and recommended time schedules; and, (4) the estimated annual cost of the operating and maintaining the facilities included.
- (c) Public Hearing. The Town Council shall publish in a newspaper of general circulation in the Town a summary of the capital improvement plan and a notice stating: (1) the times and places where entire copies of the capital improvement plan are available for inspection by the public; and, (2) the date, time, and place not less than fourteen days after such publication, when a public hearing on said plan will be held by the Town Council.
- (d) Adoption. At any time after the public hearing but before the first day of the last month of the current fiscal year, the Town Council shall by resolution adopt the capital improvement plan with or without amendment, provided that each amendment must be voted separately and then any increase in the capital improvement plan, as submitted, must clearly identify the method of financing proposed to accomplish this increase.

Chapter 241: Administrative Code

§241-18. Comprehensive Financial Advisory Committee.

- A. Term of office. There shall be a Comprehensive Financial Advisory Committee, consisting of nine members. The terms shall be for three years so arranged so an equal number shall expire each year.
[Amended 10-22-1998 by Order No. 99-023, Amended 11-06-2006 by Order No. 07-041]
- B. Authorities and responsibilities.
 - (1) The Comprehensive Financial Advisory Committee provides financial advice to the Town Council on the yearly operating budget for all Town agencies, includes the school budget as adopted by the School Committee.
 - (2) The Comprehensive Financial Advisory Committee provides financial advice to the Town Council and to the Town Manager on matters of long-range financial planning.
 - (3) The Comprehensive Financial Advisory Committee is responsible for advising the Town Manager on the annual preparation of the Town's capital improvement plan. It prepares a report to the Town Council on said annual capital improvement program and participates in public hearings called for review of this program.
- C. Interrelationships.
 - (1) Town Council: The Comprehensive Financial Advisory Committee interacts with the Town Council.
 - (2) Town Manager: The Comprehensive Financial Advisory Committee interacts with the Manager for the purpose of providing advice and exchanging information in matters of operational budgeting, capital budgeting, and long-term financial forecasting.

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2013	Payments FY 2014	Payments FY 2015	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022
GENERAL FUND:													
Land Acquisition - Hyannis Golf Course	02/15/07	02/15/26	748,000	62,975	61,375	59,775	58,175	56,575	54,975	52,975	50,975	49,375	47,775
Rt. 132 Easment	06/15/08	06/15/13	64,500	12,420	-	-	-	-	-	-	-	-	-
Land Acquisition - CAP	06/15/08	06/15/23	365,200	34,530	33,690	32,850	32,010	30,930	30,030	28,890	27,930	26,970	26,010
Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	185,450	175,950	168,050	163,850	154,650	145,600	140,400	135,200	-	-
Total Land Acquisition				295,375	271,015	260,675	254,035	242,155	230,605	222,265	214,105	76,345	73,785
High School Construction	06/15/03	06/15/13	162,000	10,350	-	-	-	-	-	-	-	-	-
School Remodeling2	06/15/03	06/15/13	442,000	20,700	-	-	-	-	-	-	-	-	-
School Remodeling 1	06/15/03	06/15/13	530,000	25,875	-	-	-	-	-	-	-	-	-
School Facilities Repair	02/15/07	02/15/17	339,000	41,400	40,000	33,600	32,400	31,200	-	-	-	-	-
BHS Cogeneration	02/15/07	02/15/17	500,000	60,000	58,000	56,000	54,000	52,000	-	-	-	-	-
High School Construction - Refunded	02/15/07	02/15/19	27,486,190	3,434,050	3,436,650	3,435,050	3,434,250	3,434,050	3,434,250	3,433,500	-	-	-
Barnstable Middle School - Refunded 2	02/15/07	02/15/20	1,548,520	205,900	199,700	193,500	182,300	176,300	165,300	158,050	150,800	-	-
Barnstable Middle School - Refunded 1	02/15/07	02/15/20	7,071,300	952,460	913,660	875,260	837,260	799,660	757,660	719,200	681,200	-	-
School Upgrades 1	02/15/07	02/15/22	360,000	34,925	33,925	32,925	31,925	30,925	29,925	28,675	22,425	21,625	20,825
School Facilities Repair & Improvement	02/15/07	02/15/22	660,000	63,350	61,550	59,750	57,950	56,150	54,350	52,100	44,850	43,250	41,650
School Health & Safety Improvements	02/15/07	02/15/26	478,000	38,911	37,911	36,911	35,911	34,911	33,911	32,661	31,411	30,411	29,411
MME Roof Replacement	02/15/07	02/15/26	750,000	63,185	61,585	59,985	58,385	56,785	55,185	53,185	51,185	49,585	47,985
School Upgrades 2	02/15/07	02/15/27	150,000	14,164	13,764	13,364	12,964	12,564	7,164	6,914	6,664	6,464	6,264
BHMCS Roof	02/15/07	02/15/27	910,000	73,474	71,674	69,874	68,074	66,274	64,474	62,224	59,974	58,174	56,374
School Facility Improvements	06/15/08	06/15/28	916,600	107,188	54,213	52,988	51,763	45,188	44,063	42,638	41,438	40,238	39,038
School Building Improvements	06/15/10	06/15/30	800,000	67,409	66,554	65,700	64,845	62,708	56,298	55,337	53,413	52,260	51,106
School Facility Improvements	06/15/10	06/15/14	1,000,000	260,000	255,000	-	-	-	-	-	-	-	-
School Facilities Upgrades/Repairs V	06/14/11	06/15/31	884,000	75,019	73,669	72,769	71,419	70,069	68,719	66,919	65,119	63,319	61,519
School Facilities Upgrades/Repairs I	06/14/11	06/15/16	65,000	16,350	15,900	10,600	10,300	-	-	-	-	-	-
School Equipment	06/14/11	06/15/16	193,000	44,100	42,900	37,100	36,050	-	-	-	-	-	-
School Parking Lot	06/14/11	06/15/21	250,000	32,500	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-
School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	44,700	43,650	42,950	41,900	40,850	34,800	33,600	32,400	31,200	-
School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	6,700	6,550	6,450	6,300	6,150	6,000	5,800	5,600	5,400	5,200
School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	20,413	19,963	19,663	19,213	13,763	13,463	13,063	12,663	12,263	11,863
School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	20,963	20,513	20,213	19,763	19,313	18,863	18,263	12,663	12,263	11,863
School Improvement	06/14/11	06/15/26	487,000	50,488	49,438	48,738	47,688	46,638	45,588	39,188	37,988	36,788	35,588
Current Refund School 8/15/01	04/18/12	09/15/14	1,913,700	866,407	819,129	289,275	-	-	-	-	-	-	-
Advance Refund 6/15/2003 HS Addition & Renovation	04/18/12	09/15/18	58,100	1,765	11,793	11,493	11,193	10,843	10,443	8,222	-	-	-
Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	5,924	27,601	25,580	24,980	24,280	23,480	22,780	22,180	21,580	17,940
Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	7,447	33,809	33,029	32,249	31,339	30,299	29,389	28,609	22,806	21,192
Total Schools				6,666,115	6,500,849	5,634,014	5,273,580	5,151,708	4,983,233	4,909,705	1,387,580	533,623	457,815

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2013	Payments FY 2014	Payments FY 2015	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022
GENERAL FUND:													
Drainage	06/15/03	06/15/13	90,000	5,175	-	-	-	-	-	-	-	-	-
Hyannis Streetscape 1	06/15/03	06/15/13	431,000	20,700	-	-	-	-	-	-	-	-	-
Hyannis Streetscape 2	06/15/03	06/15/13	828,000	82,800	-	-	-	-	-	-	-	-	-
Bay St. Planning - CAP	06/15/08	06/15/13	40,000	6,210	-	-	-	-	-	-	-	-	-
Bridge St. Planning - CAP	06/15/08	06/15/13	40,000	8,280	-	-	-	-	-	-	-	-	-
Roadway Improvements - CAP	06/15/08	06/15/13	222,800	45,540	-	-	-	-	-	-	-	-	-
Sidewalks	06/15/08	06/15/13	250,000	51,750	-	-	-	-	-	-	-	-	-
GIS Mapping	06/15/08	06/15/13	275,000	56,925	-	-	-	-	-	-	-	-	-
Private Road Repairs	06/15/08	06/15/23	1,607,900	153,946	150,201	146,456	142,711	137,896	133,884	128,801	124,521	120,241	115,961
Traffic Calming	06/14/11	06/15/16	50,000	11,100	10,800	10,600	10,300	-	-	-	-	-	-
Bridge Repair	06/14/11	06/15/21	250,000	32,500	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-
Sidewalk Improvements	06/14/11	06/15/21	350,000	45,500	44,450	43,750	42,700	41,650	40,600	39,200	37,800	36,400	-
Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	36,225	35,475	34,975	34,225	33,475	32,725	31,725	30,725	29,725	23,725
Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	1,156	6,198	6,048	5,898	5,723	5,523	5,348	5,198	4,162	-
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	5,930	26,228	25,628	25,028	24,328	23,528	22,828	22,228	21,628	18,968
Total Public Ways				563,737	305,102	298,707	291,362	272,822	265,260	255,902	247,472	238,156	158,654
Building Improvements	06/15/03	06/15/13	250,000	15,525	-	-	-	-	-	-	-	-	-
Building - Police Facility Addition	06/15/03	06/15/13	1,300,000	67,275	-	-	-	-	-	-	-	-	-
Building - Police Station Construction - 2004-011	06/15/05	06/15/25	400,000	30,720	29,720	28,720	27,720	27,020	26,320	25,580	24,820	24,044	23,245
Old Town Hall	02/15/07	02/15/17	295,000	35,800	34,600	33,400	32,200	26,000	-	-	-	-	-
Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	96,509	95,109	93,709	92,309	90,909	89,309	37,759	11,009	9,609	8,209
Beach Facilities	02/15/07	02/15/22	270,000	39,990	36,990	33,990	30,990	22,990	19,990	16,250	15,000	15,000	15,000
Senior Center - Garden Level	02/15/07	02/15/27	457,000	32,119	31,319	30,519	29,719	28,919	28,319	22,569	21,819	21,219	20,619
Town Building Repairs & Renovations	02/15/07	02/15/27	685,000	48,905	47,905	46,905	45,905	44,905	43,905	42,655	41,655	40,855	40,055
Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	14,388	14,038	13,688	13,338	12,888	12,513	12,038	11,638	11,238	10,838
Bismore Park Visitor Center	06/15/08	06/15/23	465,000	44,601	43,516	42,431	41,346	39,951	38,789	37,316	36,076	34,836	33,596
Municipal Building Improvements	06/15/08	06/15/28	297,000	44,856	13,456	13,106	7,756	7,531	7,344	7,106	6,906	6,706	6,506
Highway Facility	06/15/10	06/15/30	136,000	11,460	11,314	11,169	11,024	10,660	9,571	9,407	9,080	8,884	8,688
Bismore Park Improvements	06/15/10	06/15/14	74,000	15,600	15,300	-	-	-	-	-	-	-	-
Municipal Facility Improvements	06/15/10	06/15/29	402,500	85,919	84,319	7,719	7,619	7,369	7,119	6,994	6,744	6,594	6,444
Police Facility	06/15/10	06/15/30	508,000	40,594	40,094	39,594	39,094	37,844	36,594	35,969	34,719	33,969	33,219
Municipal Facility Upgrades/Repairs - MEA Building	06/14/11	06/15/16	114,000	27,350	21,600	21,200	20,600	-	-	-	-	-	-
Police Dept. Emergency Generator	06/14/11	06/15/16	271,000	60,900	59,250	58,150	51,500	-	-	-	-	-	-
Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	26,930	26,300	24,880	24,280	23,680	23,080	21,280	20,520	19,760	-
Municipal Facility Improvement	06/14/11	06/15/21	300,000	39,000	38,100	37,500	36,600	35,700	34,800	33,600	32,400	31,200	-
Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	14,390	13,060	12,860	12,560	12,260	11,960	11,560	11,160	10,760	9,360
Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	-	12,965	13,114	12,814	12,514	12,164	11,764	11,414	11,114	10,814
Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	19,354	85,332	83,382	81,432	79,157	76,557	71,229	67,500	65,700	63,600
Total Public Buildings				812,183	754,286	646,035	618,805	520,296	478,332	403,075	362,459	351,487	290,192

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2013	Payments FY 2014	Payments FY 2015	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022
GENERAL FUND:													
Public Wharves-Dredging-Refunded	02/15/07	02/15/15	155,800	33,600	32,400	31,200	-	-	-	-	-	-	-
West Bay Bulkhead - CAP	06/15/08	06/15/13	40,000	5,175	-	-	-	-	-	-	-	-	-
Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	34,126	32,286	31,481	30,676	29,641	28,779	27,686	26,766	25,846	24,926
Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	34,126	32,286	31,481	30,676	29,641	28,779	27,686	26,766	25,846	24,926
Boat Ramps - CAP	06/15/08	06/15/23	927,000	88,999	86,829	84,659	82,489	79,699	77,374	73,429	70,989	68,549	66,109
Dredging	06/15/10	06/15/24	419,250	41,675	41,075	40,475	39,875	38,375	36,875	36,125	34,625	33,725	32,825
Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	64,431	63,231	62,431	61,231	60,031	58,831	57,231	55,631	54,031	52,431
Dredging - 98-097 Refunded	06/14/11	06/15/16	144,000	40,930	38,820	37,100	36,050	-	-	-	-	-	-
Boat Ramp Renovations	06/14/11	06/15/21	250,000	32,500	31,750	31,250	30,500	29,750	29,000	28,000	27,000	26,000	-
Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	89,750	87,650	81,250	79,300	77,350	75,400	72,800	70,200	67,600	-
Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	59,450	58,250	57,450	56,250	55,050	53,850	52,250	50,650	49,050	47,450
Total Waterways				524,763	504,578	488,778	447,048	399,538	388,888	375,208	362,628	350,648	248,668
Drainage 2	06/15/03	06/15/13	250,000	15,525	-	-	-	-	-	-	-	-	-
Drainage - Refunded	02/15/07	02/15/14	152,100	32,400	31,200	-	-	-	-	-	-	-	-
Nitrogen Mgt MWPAT CW-04-31	11/09/07	07/15/20	389,216	33,999	33,999	33,999	33,999	33,999	33,999	33,999	33,999	33,999	-
Coastal Water Quality Improvements	06/15/08	06/15/18	250,000	30,675	28,800	27,960	27,120	26,040	25,140	-	-	-	-
Lake & Pond Improvements	06/15/08	06/15/18	250,000	30,675	28,800	27,960	27,120	26,040	25,140	-	-	-	-
Lake Treatment	06/15/10	06/15/25	275,000	27,775	27,375	26,975	26,575	25,575	24,575	24,075	23,075	17,475	17,025
Nitrogen Management CW-04-31-A	03/15/11	07/15/20	211,460	23,330	23,330	23,330	23,330	23,330	23,330	23,330	23,330	23,330	-
Mill Pond Dredge & Lake Wequaquet Planning	06/14/11	06/15/16	430,000	94,350	91,800	90,100	87,550	-	-	-	-	-	-
Wastewater Management Planning	06/14/11	06/15/16	600,000	133,200	129,600	127,200	123,600	-	-	-	-	-	-
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	2,968	13,118	12,818	12,518	12,168	11,768	11,418	11,118	10,818	10,468
Nitrogen Mgt CW-04-31-B Series 16	06/13/12	07/15/20	539,860	6,358	72,687	72,781	72,879	72,977	73,078	73,182	73,288	73,395	-
Total Water Quality				431,256	480,710	443,124	434,691	220,130	217,031	166,004	164,810	159,017	27,493
Total General Fund Bonds				9,293,430	8,816,540	7,771,333	7,319,520	6,806,649	6,563,348	6,332,158	2,739,054	1,709,276	1,256,607
ENTERPRISE FUNDS:													
Airport Terminal	06/14/11	06/15/31	730,000	50,850	55,100	54,500	53,600	52,700	51,800	50,600	54,400	53,000	51,600
Hyannis Golf Course Equipment	02/15/07	02/15/17	550,000	67,200	70,000	67,600	70,200	67,600	-	-	-	-	-
Hyannis Golf Course Acquisition	02/15/07	02/15/25	3,900,000	315,211	312,811	315,211	312,211	314,011	315,411	314,161	312,411	312,611	312,411
Total Golf Course				382,411	382,811	382,811	382,411	381,611	315,411	314,161	312,411	312,611	312,411

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2013	Payments FY 2014	Payments FY 2015	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022
ENTERPRISE FUNDS:													
Sewer 91-39, Series 1	08/01/01	08/01/13	809,173	91,705	45,798	-	-	-	-	-	-	-	-
Sewer 91-39, Series 1	08/01/01	08/01/13	(subsidy)	(21,941)	(10,110)	-	-	-	-	-	-	-	-
Sewer 91-39, Series 3	08/01/01	02/01/17	948,689	83,715	82,028	80,331	78,553	76,735	-	-	-	-	-
Sewer 91-39, Series 3	08/01/01	02/01/17	(subsidy)	(32,834)	(31,082)	(29,278)	(27,420)	(25,504)	-	-	-	-	-
Sewer 96-28, Series 3	08/01/01	02/01/17	1,484,449	130,992	128,353	125,696	122,915	120,071	-	-	-	-	-
Sewer 96-28, Series 3	08/01/01	02/01/17	(subsidy)	(51,377)	(48,636)	(45,813)	(42,905)	(39,907)	-	-	-	-	-
Sewer 98-27	08/25/04	08/01/19	329,295	31,391	30,573	29,013	27,835	30,863	29,398	28,194	26,961	-	-
Sewer 98-27	08/25/04	08/01/19	(subsidy)	(13,048)	(12,658)	(11,897)	(11,313)	(10,664)	(9,985)	(9,441)	(8,491)	-	-
Sewer 98-42 - Series 5	08/25/04	08/01/19	216,429	21,134	20,568	19,504	18,695	17,913	17,061	16,357	20,550	-	-
Sewer 98-42 - Series 5	08/25/04	08/01/19	(subsidy)	(8,694)	(8,170)	(7,771)	(7,366)	(7,092)	(6,779)	(1,385)	(550)	-	-
Sewer 98-44	08/25/04	08/01/19	112,262	10,646	10,370	10,547	10,109	9,685	9,936	9,530	9,113	-	-
Sewer 98-44	08/25/04	08/01/19	(subsidy)	(4,468)	(4,336)	(4,062)	(3,845)	(3,640)	(3,414)	(3,229)	(2,908)	-	-
Sewer 98-46	08/25/04	08/01/19	1,398,265	130,683	132,162	130,162	124,775	124,326	118,418	118,436	118,163	-	-
Sewer 98-46	08/25/04	08/01/19	(subsidy)	(55,693)	(54,012)	(50,597)	(45,928)	(45,295)	(42,564)	(40,301)	(36,199)	-	-
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	36,904	36,308	34,957	33,793	32,549	31,771	31,305	33,983	33,040	32,250
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	(15,075)	(13,734)	(13,175)	(12,493)	(12,156)	(11,852)	(11,704)	(10,636)	(10,267)	(9,974)
Sewer 98-44A	07/14/06	08/01/23	1,582,178	140,110	138,487	138,002	133,052	133,084	132,061	126,434	126,831	126,588	121,424
Sewer 98-44A	07/14/06	08/01/23	(subsidy)	(59,118)	(57,356)	(55,517)	(53,632)	(51,695)	(49,202)	(46,919)	(45,096)	(42,911)	(40,775)
Sewer 98-49A	12/14/06	08/01/23	556,458	49,001	48,450	47,079	50,291	48,410	46,257	44,287	42,747	45,863	43,989
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	(20,818)	(20,187)	(19,581)	(18,901)	(18,168)	(17,277)	(16,478)	(15,872)	(15,082)	(14,307)
Sewer Collection Expansion	02/15/07	02/15/17	640,000	77,600	75,000	72,400	64,800	62,400	-	-	-	-	-
Sewer Turbine Generator	06/15/08	06/15/28	570,000	42,366	56,526	55,161	58,796	36,816	35,916	33,776	32,856	31,936	31,016
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	326,669	326,668	326,669	326,668	326,669	326,668	326,668	326,669	326,668	326,668
MWPAT CWS-09-07	07/08/10	07/15/30	3,285,646	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	41,636	41,637	41,636	41,637	41,636	41,636	41,636	41,636	41,637	41,637
Sewer	06/14/11	06/15/21	300,000	39,000	38,100	37,500	36,600	35,700	34,800	33,600	32,400	31,200	-
Current Refund Sewer 8/15/01	04/18/12	09/15/14	571,600	208,424	198,400	187,775	-	-	-	-	-	-	-
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	108,360	107,361	107,350	107,340	107,329	107,318	107,307	107,295	107,284	107,272
Sewer CWS-09-07-A Series 16	06/13/12	07/15/32	5,348,080	62,989	321,133	321,462	321,797	322,139	322,489	322,846	323,212	323,585	323,966
Total Sewer Enterprise Fund				1,549,580	1,776,960	1,726,872	1,533,174	1,511,523	1,311,975	1,310,237	1,321,981	1,198,859	1,162,483
Transfer Station	06/15/03	06/15/13	545,000	25,875	-	-	-	-	-	-	-	-	-
Solid Waste Landfill Closure - 98-24	08/25/04	08/01/18	5,166,301	504,817	498,764	497,672	488,252	480,765	464,424	465,350	-	-	-
Solid Waste Landfill Closure - 98-24	08/25/04	08/01/18	(subsidy)	(189,277)	(177,929)	(172,623)	(162,841)	(153,957)	(140,492)	(129,348)	-	-	-
Solid Waste Facility	02/15/07	02/15/27	630,000	54,183	47,783	46,583	45,383	44,183	42,983	41,483	39,983	38,783	37,583
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	7,412	32,785	32,035	31,285	30,410	29,410	28,535	27,785	27,035	22,240
Total Solid Waste Fund				403,010	401,402	403,666	402,079	401,401	396,324	406,019	67,768	65,818	59,823

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2013	Payments FY 2014	Payments FY 2015	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022
ENTERPRISE FUNDS:													
Water Co. Acquisition	02/15/07	02/15/27	10,000,000	751,446	750,246	748,446	751,046	752,846	748,846	749,346	748,596	751,996	749,396
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,185	169,185	169,184	169,185	169,185	169,184	169,185	169,184	169,184	169,185
DW-09-02 Series 16	06/13/12	07/15/32	910,707	10,726	54,685	54,741	54,798	54,856	54,915	54,976	55,039	55,102	55,167
Total Water Enterprise Fund				931,357	974,116	972,371	975,029	976,887	972,946	973,508	972,819	976,282	973,748
Land Acquisition - Prince Cove	06/15/04	06/15/14	1,850,000	107,895	98,895	-	-	-	-	-	-	-	-
Marina Bulkhead Repair II	06/15/11	06/16/30	525,000	38,400	37,800	37,400	41,800	41,050	40,300	39,300	38,300	37,300	41,300
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	31,855	34,445	127,870	124,870	121,370	112,470	109,145	105,310	98,550	95,400
Total Marina Enterprise Fund				178,150	171,140	165,270	166,670	162,420	152,770	148,445	143,610	135,850	136,700
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	7,619	7,469	7,369	7,219	7,069	6,919	6,719	6,519	6,319	6,119
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	69,206	68,156	67,456	71,406	70,206	69,006	72,406	70,606	68,806	72,006
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	17,656	17,356	17,156	16,856	16,556	16,256	15,856	15,456	15,056	14,656
Total Sandy Neck Enterprise Fund				94,481	92,981	91,981	95,481	93,831	92,181	94,981	92,581	90,181	92,781
HYCC 1	02/15/07	02/15/27	1,000,000	81,138	79,138	77,138	75,138	73,138	71,138	69,138	66,638	64,638	62,638
HYCC 2	02/15/07	02/15/27	8,000,000	653,100	637,100	621,100	605,100	589,100	573,100	553,100	533,100	517,100	501,100
HYCC 3	02/15/07	02/15/27	1,600,000	130,620	127,420	124,220	121,020	117,820	114,620	110,620	106,620	103,420	100,220
HYCC 4	06/15/08	06/15/28	6,765,000	560,630	547,765	535,935	524,105	508,895	496,220	480,165	466,645	453,125	439,605
Total HYCC Enterprise Fund				1,425,488	1,391,423	1,358,393	1,325,363	1,288,953	1,255,078	1,213,023	1,173,003	1,138,283	1,103,563
Land Acquisition - Dugas - 06/15/03	06/15/03	06/15/13	2,000,000	103,500	-	-	-	-	-	-	-	-	-
Land Acquisition - MM Airport	06/15/04	06/15/14	11,281,000	643,195	619,395	-	-	-	-	-	-	-	-
Land Acquisition	06/15/04	06/15/14	502,000	27,025	26,025	-	-	-	-	-	-	-	-
Land Acquisition - 2004-105 Bonehill	06/15/05	06/15/25	200,000	15,360	14,860	14,360	13,860	13,510	13,160	12,790	12,410	12,023	11,623
Land Acquisition - 06-15-05 - 2004-106	06/15/05	06/15/25	180,000	14,549	14,049	13,549	13,049	12,699	12,349	11,979	11,599	11,211	5,811
Land Acquisition - 06-15-05 - 2004-107 - Hyannis Golf	06/15/05	06/15/25	5,500,000	422,400	408,650	394,900	381,150	371,525	361,900	351,725	341,275	330,619	319,619
Land Acquisition - Archibald	02/15/07	02/15/26	500,000	39,756	38,756	37,756	36,756	35,756	34,756	33,506	32,256	31,256	30,256
Town Hall Renovations	06/15/10	06/15/30	1,332,520	111,094	109,694	108,294	106,894	98,394	95,144	93,519	90,269	88,319	86,369
Land Acquisition Refunded	06/14/11	16/15/22	7,065,000	1,045,500	998,170	964,410	931,310	893,510	856,160	817,960	684,120	624,420	526,240
Advance Refund 6/15/2003 land acquisitions	04/18/12	09/15/22	964,600	29,733	131,234	128,234	125,234	116,834	113,034	109,709	106,859	104,009	100,684
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	5,385,600	203,313	207,514	797,794	774,149	747,584	713,224	682,234	650,624	623,374	597,544
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	227,300	9,358	7,750	32,375	31,625	30,750	29,750	28,875	28,125	27,375	26,500
Total Community Preservation Fund				2,664,783	2,576,097	2,491,672	2,414,027	2,320,562	2,229,477	2,142,297	1,957,537	1,852,606	1,704,646
Title V - Phase I - 97-1131 Series 6	07/25/02	08/01/20	197,403	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,200	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	9,724	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	10,204
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Title V - Phase V - Pool 12 97-1131-4D	07/15/07	07/15/26	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Title V				50,124	50,372	50,372	50,372	50,372	50,372	50,372	50,372	50,172	40,204
Grand Total				17,023,664	16,688,942	15,469,242	14,717,727	14,046,910	13,391,683	13,035,801	8,885,536	7,582,937	6,894,565

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

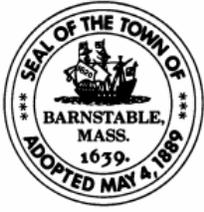
Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2023	Payments FY 2024	Payments FY2025	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	6/30/12 Balance
GENERAL FUND:													
Land Acquisition - Hyannis Golf Course	02/15/07	02/15/26	748,000	46,125	39,445	37,975	36,488	-	-	-	-	-	714,983
Land Acquisition - CAP	06/15/08	06/15/23	365,200	25,020	-	-	-	-	-	-	-	-	328,860
Total Land Acquisition				71,145	39,445	37,975	36,488	-	-	-	-	-	2,325,413
School Health & Safety Improvements	02/15/07	02/15/26	478,000	23,380	22,540	21,700	20,850	-	-	-	-	-	430,833
MME Roof Replacement	02/15/07	02/15/26	750,000	46,335	44,655	37,975	36,488	-	-	-	-	-	722,503
School Upgrades 2	02/15/07	02/15/27	150,000	6,058	5,848	5,638	5,425	5,213	-	-	-	-	128,468
BHMCS Roof	02/15/07	02/15/27	910,000	54,518	52,628	50,738	48,825	46,913	-	-	-	-	904,208
School Facility Improvements	06/15/08	06/15/28	916,600	37,800	36,525	35,250	33,975	32,663	31,350	-	-	-	726,313
School Building Improvements	06/15/10	06/15/30	800,000	49,856	48,606	47,260	45,913	44,519	42,981	41,538	40,000	-	956,304
School Facilities Upgrades/Repairs V	06/14/11	06/15/31	884,000	59,719	57,919	56,400	54,825	53,138	46,450	44,850	43,250	41,650	1,146,738
School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	11,463	11,063	10,725	10,375	-	-	-	-	-	199,950
School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	11,463	11,063	10,725	10,375	-	-	-	-	-	218,300
School Improvement	06/14/11	06/15/26	487,000	34,388	33,188	32,175	31,125	-	-	-	-	-	569,000
Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	15,300	-	-	-	-	-	-	-	-	231,625
Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	20,196	-	-	-	-	-	-	-	-	290,364
Total Schools				370,473	324,032	308,585	298,176	182,444	120,781	86,388	83,250	41,650	43,314,001
Private Road Repairs	06/15/08	06/15/23	1,607,900	111,548	-	-	-	-	-	-	-	-	1,466,168
Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	22,925	22,125	21,450	20,750	-	-	-	-	-	410,250
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	15,504	-	-	-	-	-	-	-	-	231,826
Total Public Ways				149,977	22,125	21,450	20,750	-	-	-	-	-	3,111,477
Building - Police Station Construction - 2004-011	06/15/05	06/15/25	400,000	22,445	21,645	20,825	-	-	-	-	-	-	332,824
Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	6,765	5,295	3,825	2,550	1,275	-	-	-	-	644,148
Senior Center - Garden Level	02/15/07	02/15/27	457,000	20,000	20,000	20,000	20,000	20,000	-	-	-	-	367,138
Town Building Repairs & Renovations	02/15/07	02/15/26	685,000	39,230	38,390	32,550	31,700	30,850	-	-	-	-	616,370
Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	10,425	-	-	-	-	-	-	-	-	137,025
Bismore Park Visitor Center	06/15/08	06/15/23	465,000	32,318	-	-	-	-	-	-	-	-	424,778
Municipal Building Improvements	06/15/08	06/15/28	297,000	6,300	6,088	5,875	5,663	5,444	5,225	-	-	-	155,869
Highway Facility	06/15/10	06/15/30	136,000	8,475	8,263	8,034	7,805	7,568	7,307	7,062	6,800	-	162,571
Municipal Facility Improvements	06/15/10	06/15/29	402,500	6,281	6,119	5,944	5,769	5,588	5,388	5,200	-	-	267,125
Police Facility	06/15/10	06/15/30	508,000	32,406	31,594	30,719	29,844	28,938	27,938	27,000	26,000	-	606,125
Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	7,064	132	-	-	-	-	-	-	-	115,873
Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	61,200	-	-	-	-	-	-	-	-	754,442
Total Public Buildings				252,910	137,525	127,772	103,330	99,662	45,857	39,262	32,800	-	6,076,267
Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	23,978	-	-	-	-	-	-	-	-	316,193
Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	23,978	-	-	-	-	-	-	-	-	316,193
Boat Ramps - CAP	06/15/08	06/15/23	927,000	63,593	-	-	-	-	-	-	-	-	842,715
Dredging	06/15/10	06/15/24	419,250	31,850	25,875	-	-	-	-	-	-	-	433,375
Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	50,831	44,231	43,050	41,825	40,513	39,200	37,800	36,400	-	923,363
Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	45,850	44,250	42,900	41,500	-	-	-	-	-	714,200
Total Waterways				240,079	114,356	85,950	83,325	40,513	39,200	37,800	36,400	-	4,768,363

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2023	Payments FY 2024	Payments FY2025	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	6/30/12 Balance
GENERAL FUND:															
Lake Treatment	06/15/10	06/15/25	275,000	16,538	16,050	15,525	-	-	-	-	-	-	-	-	288,613
Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	6,834	-	-	-	-	-	-	-	-	-	-	116,014
Total Water Quality				23,372	16,050	15,525	-	-	-	-	-	-	-	-	2,799,214
Total General Fund Bonds				1,107,954	653,533	597,256	542,069	322,619	205,837	163,450	152,450	41,650	-	-	62,394,734
ENTERPRISE FUNDS:															
Airport Terminal	06/14/11	06/15/31	730,000	55,200	53,600	52,250	50,850	54,350	52,663	50,863	54,063	52,063	-	-	1,004,050
Hyannis Golf Course Acquisition	02/15/07	02/15/25	3,900,000	311,480	314,930	312,750	-	-	-	-	-	-	-	-	4,075,623
Total Golf Course				311,480	314,930	312,750	-	-	-	-	-	-	-	-	4,418,223
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	30,750	-	-	-	-	-	-	-	-	-	-	367,609
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	(9,028)	-	-	-	-	-	-	-	-	-	-	(130,094)
Sewer 98-44A	07/14/06	08/01/23	1,582,178	120,681	115,000	-	-	-	-	-	-	-	-	-	1,551,755
Sewer 98-44A	07/14/06	08/01/23	(subsidy)	(38,360)	(34,430)	-	-	-	-	-	-	-	-	-	(575,013)
Sewer 98-49A	12/14/06	08/01/23	556,458	41,976	40,000	-	-	-	-	-	-	-	-	-	548,352
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	(13,463)	(12,096)	-	-	-	-	-	-	-	-	-	(202,231)
Sewer Turbine Generator	06/15/08	06/15/28	570,000	30,068	34,090	32,900	31,710	30,485	29,260	-	-	-	-	-	603,680
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	326,668	326,668	326,668	326,668	326,668	326,668	-	-	-	-	-	5,226,693
MWPAT CWS-09-07	07/08/10	07/15/30	3,285,646	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	-	-	3,787,041
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	41,636	41,637	41,637	41,637	41,636	41,637	41,636	-	-	-	-	707,821
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	107,259	107,247	107,234	107,221	107,207	107,193	-	-	-	-	-	1,717,576
Sewer CWS-09-07-A Series 16	06/13/12	07/15/32	5,348,080	324,355	324,754	325,161	325,576	326,001	326,434	326,878	327,331	327,793	328,267	328,749	6,556,917
Total Sewer Enterprise Fund				1,161,860	1,142,187	1,032,917	1,032,130	1,031,315	1,030,510	567,832	526,649	527,112	328,267	328,749	23,113,172
Solid Waste Facility	02/15/07	02/15/27	630,000	36,345	35,085	33,825	32,550	31,275	-	-	-	-	-	-	608,005
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	20,910	-	-	-	-	-	-	-	-	-	-	289,842
Total Solid Waste Fund				57,255	35,085	33,825	32,550	31,275	-	-	-	-	-	-	3,197,299
Water Co. Acquisition	02/15/07	02/15/27	10,000,000	750,265	749,645	747,975	749,925	750,600	-	-	-	-	-	-	11,250,622
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,184	169,184	169,185	169,184	169,184	169,184	169,184	169,184	169,184	-	-	3,214,503
DW-09-02 Series 16	06/13/12	07/15/32	910,707	55,233	55,302	55,370	55,442	55,514	55,588	55,663	55,740	55,818	55,899	55,981	1,116,556
Total Water Enterprise Fund				974,683	974,131	972,530	974,551	975,298	224,772	224,848	224,924	225,003	55,899	55,981	15,581,681
Marina Bulkhead Repair II	06/15/11	06/16/30	525,000	40,100	38,900	37,888	36,838	40,713	39,400	38,000	41,600	-	-	-	706,388
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	91,800	-	-	-	-	-	-	-	-	-	-	1,053,085
Total Marina Enterprise Fund				131,900	38,900	37,888	36,838	40,713	39,400	38,000	41,600	-	-	-	1,966,262
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	5,919	5,719	5,550	10,375	-	-	-	-	-	-	-	96,900
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	70,006	68,006	71,319	69,394	72,331	70,081	67,681	70,281	67,681	-	-	1,326,044
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	14,256	13,856	13,519	13,169	12,794	17,419	16,819	16,219	15,619	-	-	296,531
Total Sandy Neck Enterprise Fund				90,181	87,581	90,388	92,938	85,125	87,500	84,500	86,500	83,300	-	-	1,719,476

Appendix C – Debt Amortization Schedules All Issued Debt Outstanding As Of June 30, 2012

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2023	Payments FY 2024	Payments FY2025	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	6/30/12 Balance
ENTERPRISE FUNDS:															
HYCC 1	02/15/07	02/15/27	1,000,000	60,575	58,475	56,375	54,250	52,125	-	-	-	-	-	-	1,001,678
HYCC 2	02/15/07	02/15/27	8,000,000	484,600	467,800	451,000	434,000	417,000	-	-	-	-	-	-	8,037,400
HYCC 3	02/15/07	02/15/27	1,600,000	96,920	93,560	90,200	86,800	83,400	-	-	-	-	-	-	1,607,480
HYCC 4	06/15/08	06/15/28	6,765,000	425,663	410,298	395,975	381,653	366,909	352,165	-	-	-	-	-	7,345,751
Total HYCC Enterprise Fund				1,067,758	1,030,133	993,550	956,703	919,434	352,165	-	-	-	-	-	17,992,309
Land Acquisition - 2004-105 Bonehill	06/15/05	06/15/25	200,000	11,223	10,823	10,413	-	-	-	-	-	-	-	-	166,413
Land Acquisition - 06-15-05 - 2004-106	06/15/05	06/15/25	180,000	5,611	5,411	5,206	-	-	-	-	-	-	-	-	137,071
Land Acquisition - 06-15-05 - 2004-107 - Hyannis Golf	06/15/05	06/15/25	5,500,000	308,619	297,619	286,344	-	-	-	-	-	-	-	-	4,576,344
Land Acquisition - Archibald	02/15/07	02/15/26	500,000	29,225	28,175	27,125	26,063	-	-	-	-	-	-	-	461,400
Town Hall Renovations	06/15/10	06/15/30	1,332,520	84,256	82,144	79,869	77,594	75,238	72,638	70,200	67,600	-	-	-	1,597,529
Advance Refund 6/15/2003 land acquisitions	04/18/12	09/15/22	964,600	96,492	-	-	-	-	-	-	-	-	-	-	1,162,056
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	5,385,600	567,732	-	-	-	-	-	-	-	-	-	-	6,565,086
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	227,300	25,500	-	-	-	-	-	-	-	-	-	-	277,983
Total Community Preservation Fund				1,128,658	424,172	408,957	103,657	75,238	72,638	70,200	67,600	-	-	-	24,704,822
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	10,204	-	-	-	-	-	-	-	-	-	-	109,908
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-	-	140,000
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-	-	140,000
Title V - Phase V - Pool 12 97-1131-4D	07/15/07	07/15/26	200,000	10,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-	150,000
Total Title V				40,204	30,000	30,000	30,000	10,000	-	-	-	-	-	-	633,308
Grand Total				6,127,132	4,784,252	4,562,309	3,852,284	3,545,366	2,065,485	1,199,693	1,153,786	929,127	384,166	384,730	156,725,336



APPENDIX D
The Town of Barnstable
Comprehensive Financial Advisory Committee
(CFAC)

367 Main Street, Village of Hyannis, MA 02601

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CFAC Committee:

Chair:

Laura Cronin

Members:

Robert Ciolek
Stanley Hodkinson
Ralph Krau
Henry McClean
Jacqueline Michelove
Gregory Plunkett
Laurie Young

Staff Liaison:

Mark Milne

Councilor Liaison:

Dr. Debra S. Dagwan
James M. Tinsley

CFAC
FY 2014
Capital Improvements Plan Report

Prepared by:
CFAC CIP Subcommittee
Laura Cronin
Henry McClean
Greg Plunkett
Laurie Young

Date Approved:02.14.13

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

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2	Capital Project Evaluation Criteria
3	CFAC Rankings – Enterprise Fund Projects
4	CFAC Rankings – General Fund Projects
5	CFAC Recommended “Short List”

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

I. INTRODUCTION

In accordance with the Town of Barnstable Charter, Part VI, Section 6-5, and Chapter 241-18 of the Administrative Code, the Comprehensive Financial Advisory Committee (CFAC) is pleased to offer our findings and recommendations to the Town Manager and Town Council on the FY 2014 Capital Budget and the FY 2014 – FY 2018 Town of Barnstable’s Capital Improvements Plan (CIP).

This report describes the methodology used by CFAC to review, analyze and prioritize the capital project requests submitted by the Town Departments for funding in the FY 2014 Capital Budget.

II. METHODOLOGY

CFAC reviewed 98 project requests (Attachment 1) submitted by the Town Departments. These consisted of 34 Enterprise Fund projects representing FY 2014 funding requests of \$11,295,500 and total 5 year estimates of \$53,640,500 and 64 General Fund projects representing FY 2014 funding requests of \$13,839,536 and total 5 year estimates of \$15,159,036. Total FY 2014 Funding Request = \$25,135,036.

The review was conducted by a four member CFAC subcommittee of made up of Laura Cronin, Henry McClean, Laurie Young, and Gregory Plunkett. The initial analysis consisted of rating each proposed project based on specific Evaluation Criteria as shown in Attachment 2. This published Evaluation Criteria for rating projects utilizes a set of working principles that guide the objective assessment of each project:

1. Projects providing the greatest benefit to the greatest number of town residents were prioritized higher than those that benefited smaller groups.
2. Projects that will likely be partially or wholly revenue self-sustaining or have a positive economic impact received a higher rating than those that offer neither.
3. Projects having a direct effect on the protection or enhancement of the town's natural resources are scored higher on the principle that preservation of the environment on Cape Cod has direct bearing on the economic viability of our community and on our quality of life.
4. Projects that demonstrate an intention to provide proactive maintenance to existing assets are rated higher under the well established principle that doing so is, in the long run, a fiscally wise and conservative approach to asset management.

Each subcommittee member independently rated all projects and the results were then consolidated to define an average project score for each project (Attach 1). This process is identical to that used by the Town Task Force which consists of representatives of each Town Department to also score the projects. The projects were then prioritized based on the CFAC average scoring as shown in Attachment 3 (Enterprise Fund) and Attachment 4 (General Fund). As there are many General Fund projects competing for historically limited funding, in 2012 the

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

Town adopted, and CFAC supported, a policy to increase the amount of funds available for bond issuances for Capital Planning each year by 2.5%. The additional funds allow for an increase in spending for the 2014 CIP to a range of \$8m to \$10 M, depending on the Town's needs. Using these criteria, the sub-committee allocated a total of \$8,243,389 over 24 projects (Attachment 5).

The data was consolidated and prioritized as follows:

1. Projects selected by 4 members of the subcommittee were prioritized by CFAC average scores.
2. The sub-committee selected the top 1 ranking, Road Maintenance, and then 22 additional out of the high average scores.
3. The final CFAC "shortlist" is shown in Attachment 5.

The subcommittee's final work product was reviewed by CFAC sub-committee and approved for transmittal to the Town Manager and Town Council.

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

III. FINDINGS

1. CFAC Sub-committee allocated a total of \$8,243,389 to the General Fund Projects (\$3,250,000 for Roads and \$4,888,389 for other General Fund Projects).
2. The scoring by CFAC and the Town Task Force again was not consistent. While there are some wide variations in overall ranking, it should be noted that 80% of the projects on CFAC "Short List" are also in the top 24 rankings by the Town Task Force. The total scoring by CFAC averaged 15.6 (16.2 Enterprise requests and 15.0 for General Fund requests), while the Town Task Force scoring was an average of 22.4.
3. The final "Short List" created by the CFAC CIP sub-committee, shown in Attachment 5, identifies 24 projects with a total funding level of \$8,243,389.

IV. RECOMMENDATIONS

1. Each year the amount of funds requested far exceeds the funds available. This year is no exception. The Town has committed to invest \$7,146,000 to fund its capital projects; however, FY 2014 General Fund project requests represent a total of over \$13 million. The Town's decision to increase the CIP budget by 2.5% each year, to keep up with inflation, will help to increase the CIP balance, and over time, give the Town the ability to fund needed projects which have been placed on the back burner for a while. CFAC recommends it keeps the proposed 2.5% increase each year to grow the CIP reserves to support the capital needs of the Town.
2. In the past, CFAC has recommended the small dollar amounts (typically under \$70,000) for projects with short term borrowing limits be budgeted and funded from the municipal and school operational budgets. However, after further discussion, we recommend they remain in the CIP where these projects are under more scrutiny and a more comprehensive review. Including them in the operating budget would potentially skew the operating expense for one-time projects.
3. One of the CIP project expenses is an amount allowed for Project Management. This cost is to cover the staff expense to manage the capital projects. Currently the two FTE on staff, and solely for project management. Their time is tracked, analyzed and allocated to the various projects they spend their time on. With the Town's commitment to supporting the CIP reserve, and based on the extended CIP projects in the pipeline, their roles will be committed to these projects for a long time forward. Given that, CFAC recommends the Town consider adding them to the DPW Operating Budget, thus reducing the administrating process, and reduce the amount of the Capital outlay. CFAC further recommends these two positions be reassessed each year to ensure the capital needs justify their continued employment.

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

4. The departmental CIP Project Data Sheets could be improved to give a clearer picture of the specific detailed plans and recommendations of the originator. Providing more information on how the costs are estimated, or what basis was used; would be helpful to understand how far the estimate which they provided was taken (i.e., Quotes, FMV, Industry Standard, etc.). CFAC recommends making an update to the Project Form to include a section where they could include the basis for estimate.
5. As in past reviews, CFAC finds time constraints in their ability to arrange time to meet with Dept. Mgrs. to review their CIP proposal, before the CFAC sub-committee starts the ranking process. This is an opportunity the CFAC sub-committee will work on to engage the Dept. Mgr. earlier in the review process to go over their projects in more depth.
6. CFAC recommends the Town evaluate the utilization of existing facilities along with department space needs, for potential space consolidation; which could potentially reduce the amount of inventory the Town is maintaining overall. With the growing need more capital funds to upgrade older facilities; these properties are competing for CIP funds. If the Town could \reduce the number of facilities to maintain, it could reduce overall maintenance costs.

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

V. SUMMARY

The purpose of this CFAC CIP Subcommittee review of the FY 2014 Capital Budget and the FY 2014 – FY 2018 Capital Improvements Plan is to provide the Town Manager and Town Council with an independent review of the town capital funding needs and project priorities as well as the process for prioritizing those needs. It is CFAC's belief that this review will help:

1. Facilitate better planning in determining the difference between capital needs and operating budgets.
2. Maintain credit rating, control of tax rates, and avoidance of sudden changes in debt service.
3. Help identify the most economical means of financing projects.
4. Focus the community on strategic objectives and fiscal capacity.
5. Help the public understand the process by which their tax dollars are spent.
6. Coordinate the overlapping activities of departments and local interests.
7. Encourage careful project planning and design to avoid costly mistakes and help the community reach its long term goals.

CFAC would like to thank, Mark Milne, Town Finance Director for his able advice and guidance in the CIP Process.

ATTACHMENT 1

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	Total COST \$	2014 Request	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	Town Scores
									Henry	Laurie	Greg	Laura		
AIR 14	1	Airport	AP	14	1,000,000	1,000,000	N	Additional Funding Retrofit/Reconstruct Runway 6/24 EMAS Pad	20	21	27	26	23.5	22.9
AIR 14	2	Airport	AP	14	260,000	260,000	N	Replace Airfield Lighting Regulators & FAA Mandatory Runway Hold Position Signs	20	12	27	27	21.5	22.7
AIR 14	3	Airport	AP	14	4,800,000	4,800,000	N	Design & Construct Main Terminal Ramp (Phase2) & Construct 43,000 sq/ft De-icing area	15	16	20	18	17.3	24.8
AIR 14	4	Airport	AP	14	810,000	810,000	N	Construct New Fuel Farm (3-20,000 Gal above Ground Fuel Storage Tanks)	21	18	14	15	17.0	25.9
AIR 14	5	Airport	AP	14	634,000	634,000	N	Construct East Ramp Sewer Extension (Associated Sewer Lines & 7,000 gal Pumping Station)	23	12	12	22	17.3	24.9
AIR 14	6	Airport	AP	14	102,000	102,000	Y	Airport Fixed Base Operations (FBO) Building - Permitting & Design Only	14		0	20	11.3	21.7
AIR 14	7	Airport	AP	14	200,000	200,000	N	Airport Terminal Enhancements & Airport Rescue/Firefighting Building Engineering Review	14	14	10	16	13.5	21.2
AIR 14	8	Airport	AP	14	90,000	90,000	N	Install Enhanced Airfield Access Control & Security Upgrades	15	11	16	15	14.3	22.3
AIR 14	9	Airport	AP	15	2,600,000		N	Relocate & Construct Taxiway Alpha from Taxiway Delta to end of Runway 15	0	12	11	15	9.5	21.8
AIR 14	10	Airport	AP	15	75,000		N	Design & Replace East Ramp T-Hangar Roof		14.0	8.0	10.0	10.7	21.5
AIR 14	11	Airport	AP	15	80,000		N	FAA/FAR PART150 Noise Exposure re Map Update		16.0	16.0	20.0	17.3	21.2
AIR 14	12	Airport	AP	15	650,000		N	Design & Construct New T-Hangar		10.0	14.0	22.0	15.3	19.9
AIR 14	13	Airport	AP	16	60,000		N	Design & Replace Airfield Vault 100kw Emergency Generator & Remove Underground Fuel Tank		8.0	2.0	6.0	5.3	23.0
AIR 14	14	Airport	AP	16	730,000		N	Replace Snow Removal Equipment & Aircraft Rescue and Fire Fighting Equipment		8.0	11.0	10.0	9.7	22.0
AIR 14	15	Airport	AP	17	5,000,000		N	Runway 15-33 & Taxiway Echo Major Reconstruction		10.0	11.0	14.0	11.7	23.1
AIR 14	16	Airport	AP	17	2,500,000		N	Design and Reconstruct Taxiway Charlie		6.0	11.0	12.0	9.7	21.3
AIR 14	17	Airport	AP	16/18	4,600,000		Y	Permit, Design, Reconstruct East Ramp & Taxiways Bravo and Delta		10.0	10.0	11.0	10.3	22.4
AIR 14	18	Airport	AP	17	5,000,000		N	Runway 6-24 major Reconstruction		10.0	12.0	11.0	11.0	23.1
AIR 14	19	Airport	AP	17	2,500,000		N	Land Acquisition Runway 33 Safety Area/Protection Zone		14.0	9.0	15.0	12.7	22.4
AIR 14	20	Airport	AP	18	3,500,000		N	Design & Construct New Extended and Relocated Taxiways Bravo & Bravo One		8.0	6.0	10.0	8.0	21.9
AIR 14	21	Airport	AP	18	800,000		N	Airport FAA Master Plan & Utilities GIS Survey		6.0	11.0	8.0	8.3	20.6
TOTAL AIRPORT										11.8	12.3	15.4	13.1	22.4
PW 14	1	Public Works	SW	14	225,000	225,000	N	Rear Loader Trash Truck	16.0			15.0	15.5	22.1
PW 14	2	Public Works	SW	14	190,000	190,000	N	Container Roll-Off Truck	14.0			14.0	14.0	21.6
TOTAL PUBLIC WORKS SOLID WASTE									30.0			29.0	14.8	21.9
PW 14	1	Public Works	WS	14	1,050,000	1,050,000	Y	Pipe Replacement & Upgrade Program	28.0		24.0	27.0	26.3	25.5
PW 14	2	Public Works	WS	14	200,000	200,000	Y	Wells Pump Station & Treatment Plant Repair and Upgrade	25.0		27.0	26.0	26.0	25.5
PW 14	3	Public Works	WS	14	489,500	489,500	Y	New Well Exploration Program	22.0		20.0	22.0	21.3	25.7
PW 14	4	Public Works	WS	14	300,000	300,000	N	Maher Treatment Plant Air-stripper Upgrade	22.0		29.0	28.0	26.3	25.6
PW 14	5	Public Works	WS	14	540,000	540,000	N	Construction Water Main Looping between Highland Street and Cook Circle	18.0		3.0	10.0	10.3	23.6
TOTAL PUBLIC WORKS WATER SUPPLY									23.0		20.6	22.6	22.1	25.2
PW 14	1	Public Works	WPC	14	225,000	225,000	N	Upgrade/Replace Staff Locker Room	14		11	13	12.7	20.6
PW 14	2	Public Works	WPC	14	80,000	80,000	N	Bearse's Way Pump Station (Backup Pump)	18		10	10	12.7	24.4
PW 14	3	Public Works	WPC	14	50,000	50,000	Y	Pretreatment Building Evaluate and Paint Concrete Walls & Tanks - FY14 Design Only	13		9	10	10.7	22.1
PW 14	4	Public Works	WPC	14	50,000	50,000	N	Evaluate Infiltration Capacity of Sand Infiltration Beds	17		14	16	15.7	24.4
PW 14	5	Public Works	WPC	15-17	3,450,000		Y	Septage Building Capacity	24		17	18	19.7	25.6
PW 14	6	Public Works	WPC	15&17	10,800,000		Y	Plant Upgrading to Control Total Organic Carbon & Total Nitrogen Effluent Limit	26		12	15	17.7	25.7
TOTAL PUBLIC WORKS WASTE WATER									18.7		12.17	13.7	14.8	23.8
TOTALS - ENTERPRISE FUNDS					53,640,500	11,295,500			23.9	11.8	15.0	20.2	16.2	23.3

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 1

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	Total COST \$	2014 Request	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	Town Scores
									Henry	Laurie	Greg	Laura		
GENERAL FUND PROJECTS														
AS 14	1	Admin Serv	FI	14	90,000	90,000	N	Conversion Microfiche Cards to General Code Laserfiche Format in Assessing Office	17.0	4.0	13.0	16.0	12.5	16.7
AS 14	1	Admin Serv	IS	15/16	208,000		Y	Arial Flyover & Mapping			12.0	14.0	13.0	20.7
AS 14	2	Admin Serv	IS	16	86,500		N	Summer Flyover of Waterways			15.0	15.0	15.0	19.6
TOTAL ADMINISTRATIVE SERVICES - GENERAL FUND									17.0	4.0	13.3	15.0	13.5	19.0
CS 14	1	Cmty Services	REC	14	766,000	766,000	Y	Beach House Construction/Renovations (Craigville Design FY 14)	23.0	27.0	10.0	23.0	20.8	23.4
CS 14	2	Cmty Services	SS	14	279,000	279,000	N	Senior Center Parking Lot Expansion	8.0	6.0	11.0	14.0	9.8	21.1
CS 14	3	Cmty Services	MEA	14	600,000	600,000	N	Dredge East Bay Entrance Channel & East Bay Channel to Boat Ramp	13.0	19.0	17.0	18.0	16.8	21.0
CS 14	4	Cmty Services	MEA	14	133,254	133,254	N	Mill Way Boat Ramp & Dock Replacement	23.0	18.0	15.0	20.0	19.0	21.1
CS 14	5	Cmty Services	REC	14	185,000	185,000	N	Osterville Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	18.6
CS 14	6	Cmty Services	REC	14	178,080	178,080	N	Cotuit Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	18.5
CS 14	7	Cmty Services	REC	14	168,000	168,000	N	West Barnstable Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	18.9
CS 14	8	Cmty Services	MEA	14	160,000	160,000	N	Blish Point Sand Management Design & Permitting	14.0	6.0	4.0	8.0	8.0	21.4
CS 14	9	Cmty Services	REC	14	174,858	174,858	N	Osterville Community Building Interior & Exterior	6.0	6.0	6.0	4.0	5.5	21.1
CS 14	10	Cmty Services	MEA	14	103,200	103,200	Y	MEA Facility Improvements	11.0		8.0	10.0	9.7	19.1
CS 14	11	Cmty Services	REC	14	100,931	100,931	Y	Lombard Field Improvements - Design Only (Construction FY 15/16/17)	7.0	12.0	12.0	10.0	10.3	19.2
CS 14	12	Cmty Services	MEA	14	75,000	75,000	Y	Hyannisport Breakwater Repairs Design Only (Construction FY16 @ \$1.4mil)	21.0	17.0	19.0	21.0	19.5	20.5
CS 14	13	Cmty Services	MEA	14	109,553	109,553	Y	MEA Facility Addition Design Only (Construction FY15 @ \$653K)	14.0	9.0	14.0	10.0	11.8	17.6
CS 14	14	Cmty Services	REC	14	72,000	72,000	N	West Barnstable Community Building Interior Improvements	15.0	6.0	10.0	12.0	10.8	21.1
CS 14	15	Cmty Services	REC	14	170,000	170,000	Y	Centerville Community Building Improvements (Additional Improvements FY17 &18)	10.0	11.0	8.0	10.0	9.8	20.5
CS 14	16	Cmty Services	REC	14	101,108	101,108	N	Lowell Park Comfort Station Replacement Design Only (Construction FY15 @ \$506K)				15.0	15.0	20.0
CS 14	17	Cmty Services	MEA	14	65,000	65,000	Y	Bismore Park Phase II Site Improvements Design Only (Construct FY15 @ \$590K)			8.0	8.0	8.0	20.0
TOTAL COMMUNITY SERVICES - GENERAL FUND									12.6	11.9	10.4	12.5	11.8	20.2
POL14	14	Police	POL	14	168,000	168,000	Y	Barnstable Police Facility Improvements	19.0	16.0	26.0	27.0	22.0	26.0
TOTAL POLICE - GENERAL FUND									19.0	16.0	26.0	27.0	22.0	26.0

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 1

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	Total COST \$	2014 Request	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	Town Scores
									Henry	Laurie	Greg	Laura		
GENERAL FUND PROJECTS														
PW 14	1	Public Works	PW	14	3,250,000	3,250,000	Y	Public Roads Maintenance	26	32	18	30	26.5	27.8
PW 14	#VALUE!	Public Works	PW	14	569,000	569,000	Y	West Bay Bridge Repairs - Design & Construct Short Term Architectural & Structural Repairs	20	26	14	24	21.0	22.2
PW 14	1	Public Works	PW	14	142,000	142,000	N	School Street Hyannis Bulkhead Repair	22	0	19	24	16.3	22.8
PW 14	2	Public Works	PW	14	120,000	120,000	N	Bumps River Bridge Repair - Deck Surface Cracks, Railings & Sub-structure Brace Supports	22	22	16	20	20.0	22.5
PW 14	3	Public Works	PW	14	103,000	103,000	Y	Structures & Grounds Facility Upgrades - Replace Roofing over Offices & Pole Barn Bldg	15	9	11	16	12.8	21.4
PW 14	4	Public Works	PW	14	150,000	150,000	Y	Town Hall Interior Improvements - Phase 1B Design, Stairwells, Corridors, Security, etc	20	11	20	20	17.8	24.9
PW 14	5	Public Works	PW	14	240,000	240,000	Y	School Administration Bldg - Phase 1 Design Only - Mechanical and Electrical Improvements	16	6	13	18	13.3	26.0
PW 14	6	Public Works	PW	14	250,000	250,000	Y	Signal Upgrade - Design Only 3 Intersections FY14	12	9	4	10	8.8	20.9
PW 14	8	Public Works	PW	14	67,440	67,440	Y	Roadway Guard Rail Repairs - Town Wide	23	12	15	18	17.0	21.1
PW 14	9	Public Works	PW	14	70,000	70,000	N	Paine Black House Improvements - Septic System & Bldg Stabilization & Repair	12	10	13	14	12.3	20.1
PW 14	10	Public Works	PW	14	147,561	147,561	N	Guyer Barn Improvements - Plumbing, Electrical, HVAC and Interior Improvements	23	11	16	11	15.3	20.8
PW 14	11	Public Works	PW	14	262,700	262,700	Y	Trayser Museum Repairs Phase 1 Brick Repair & Design Services for Repairs	18	13	8	16	13.8	20.9
PW 14	12	Public Works	PW	14	567,888	567,888	Y	DPW Highway Bldgs - Phase III - Employee Locker, Shower and Toilet Facilities & Re-roof Garage	17	9	8	16	12.5	21.6
PW 14	13	Public Works	PW	14	50,000	50,000	Y	Barnstable Drainage Study - Area including Cummaquid Golf Course & Maraspin Creek Headwater	19	6	0	12	9.3	19.3
PW 14	14	Public Works	PW	14	301,124	301,124	N	Mosswood Cemetery Bldg - Addition to provide Bathroom & Employee Locker Room Area	16	4	8	14	10.5	20.9
PW 14	15	Public Works	PW	14	88,000	88,000	N	50 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10	12.0	20.8
PW 14	16	Public Works	PW	14	70,212	70,212	N	46 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10	12.0	20.6
PW 14	17	Public Works	PW	14	195,777	195,777	N	Trayser Carriage House - Exterior Masonry & Fenestration Repairs	11			10	10.5	17.6
PW 14	18	Public Works	PW	14	113,648	113,648	N	DPW Highway Parking Lot - Design & Construct	10	2	2	4	4.5	18.3
PW 14	19	Public Works	PW	14	167,620	167,620	Y	Town Hall Parking Lot - Design Only - Resolve Traffic & Pedestrian Flow Problems & Upgrade Area	14	7	4	4	7.3	20.7
PW 14	20	Public Works	PW	14	355,387	355,387	Y	200 Main Street - Design & Construct Storage Space Town Records, Vault Storage & Elevator	12	10	7	14	10.8	20.1
PW 14	21	Public Works	PW	14	230,000	230,000	Y	Quantitative Water Quality Initial Evaluation	21	22	17	18	19.5	22.7
PW 14	22	Public Works	PW	14	69,000	69,000	N	Sewer CAD Model Extension	8	26	18	21	18.3	21.1
PW 14	23	Public Works	PW	14	60,000	60,000	Y	Parkers Pond Dredging - Design Only FY14	20			20	20.0	18.2
PW 14	24	Public Works	PW	14	50,000	50,000	Y	Rushy Marsh Pond Restoration Project - Re-design Larger Discharge Structure to Nantucket Sound	22	6	12	18	14.5	21.9
TOTAL PUBLIC WORKS									17.0	11.9	11.9	15.7	14.2	21.4
RS 14	1	Reg Services	RS	14	45,000	45,000	Y	Long Pond Centerville & Mystic Lake MM Hydrilla Control	20	18	13	16	16.8	22.6
RS 14	2	Reg Services	RS	14	45,000	45,000	Y	Wequaquet Lake Project (incl Bearse's Pond & Gooseberry Cove) - Fanwort Control	20	18	11	15	16.0	21.7
RS 14	3	Reg Services	RS	14	196,500	196,500	N	Shooting Range Improvements (Noise abating berm & new pistol range-design & constr)	14	10	7	8	9.8	19.1
TOTAL REGULATORY SERVICES									18.0	15.3	10.3	13.0	14.2	21.1

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 1

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	Total COST \$	2014 Request	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	Town Scores
									Henry	Laurie	Greg	Laura		
GENERAL FUND PROJECTS														
SCH 14	1	Schools	SCH	14	200,000	200,000	Y	Upgrade High School Fire, Intrusion & Communication System	21.0	10.0	29.0	26.0	21.5	26.2
SCH 14	2	Schools	SCH	14	188,695	188,695	Y	Infrastructure Improvements Barnstable Public School Network- Access to Internet & Ed Resource	21.0	12.0	28.0	24.0	21.3	24.2
SCH 14	3	Schools	SCH	14	450,000	450,000	N	Replace Three High School Library A/C Units	19.0	12.0	23.0	16.0	17.5	23.2
SCH 14	4	Schools	SCH	14	85,000	85,000	N	West Villages Hot Water Circulating Pump Replacements	16.0		14.0	16.0	15.3	23.7
SCH 14	5	Schools	SCH	14	55,000	55,000	N	High School & United 4/5 Elementary School Gym Bleacher Upgrades & Safety Improvements	20.0		10.0	12.0	14.0	23.4
SCH 14	6	Schools	SCH	14	600,000	600,000	N	United 4/5 Elementary School Roofing & Trim Replacement	18.0		14.0	18.0	16.7	24.1
SCH 14	7	Schools	SCH	14	100,000	100,000	Y	Barnstable Intermediate School Façade & Roof Improvements	19.0		11.0	14.0	14.7	23.3
SCH 14	8	Schools	SCH	14	150,000	150,000	N	Barnstable Public School Grounds Equipment Upgrades (Mower, Tractor & Attachments)	16.0		6.0	11.0	11.0	20.1
SCH 14	9	Schools	SCH	14	125,000	125,000	N	Removal of Modular Clasrooms @ Three Elementary Schools	20.0		9.0	20.0	16.3	22.4
SCH 14	10	Schools	SCH	14	60,000	60,000	Y	Replace & Upgrade Walk-in Coolers @ High School, Hyannis West and Centerville Elementary	18.0		9.0	12.0	13.0	22.7
SCH 14	11	Schools	SCH	14	100,000	100,000	N	Remove & Dispose Underground Oil Storage Tanks @ Hyannis West and Centerville Elementary	16.0		3.0	14.0	11.0	24.0
SCH 14	12	Schools	SCH	14	50,000	50,000	Y	School Wide Kitchen Equipment Upgrades	17.0		6.0	22.0	15.0	22.7
SCH 14	13	Schools	SCH	15/16	200,000		Y	Performing Arts Center Upgrades & Improvements (Rigging, Curtains & Lighting)			6.0	6.0	6.0	22.9
SCH 14	14	Schools	SCH	15	75,000		N	United 4/5 Elementary School - Rebuild/Replacment Hot Water Circulating Pumps			9.0	12.0	10.5	23.4
SCH 14	15	Schools	SCH	16/17	750,000		Y	High School Roof Top Ventilator Replacement (3 units FY16, 2 units FY17)	9.0		8.0	10.0	9.0	23.4
TOTAL SCHOOLS									17.7	11.3	12.3	15.5	14.2	23.3
TOTAL GENERAL FUND					\$ 15,159,036	\$ 13,839,536			16.9	11.7	14.0	16.5	15.0	21.4
TOTAL CIP PROJECTS					\$ 68,799,536	\$ 25,135,036			20.4	11.8	14.5	18.3	15.6	22.4

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 2

FY 2014 CAPITAL PROJECT EVALUATION CRITERIA

CRITERIA AND STRATEGIC PLAN AREA	HIGHEST IMPACT (Score of 4)	MEDIUM IMPACT (Score of 3)	LOW IMPACT (Score of 2)	NO IMPACT OR NOT APPLICABLE (Score of 0)
<p>PUBLIC HEALTH AND SAFETY -- degree to which project meets public health and safety needs/issues.</p>	<p>Project is necessary to <u>alleviate a significant, existing, documented</u> health or safety hazard. This could include:</p> <ul style="list-style-type: none"> Proposed project meets the minimum requirements/mandates of a local, state or federal law pertaining to health and safety of the community. Project directly pertains to the delivery of public safety through police protection. Project required to achieve adopted LOS for health or safety standards 	<p>Project is necessary to <u>prevent the onset</u> of a likely health and safety hazard or <u>alleviate an existing, minor</u> hazard. If problem does not currently exist, failure to act would result in hazard being present within one-two years. May include:</p> <ul style="list-style-type: none"> Enhancement of current health and safety programs or projects; Related to, but not exclusive impact on traffic control on town's public ways; Addresses local, state or federal laws pertaining to health and safety, but goes beyond minimum requirements to additional enhancements. 	<p>Project is needed to <u>maintain the current level</u> of health and safety services provided to residents. Failure to complete project may result in appearance of hazard within 2-5 years. May include:</p> <ul style="list-style-type: none"> Repair or regular maintenance of facilities in order to maintain a healthy and/or safe condition. Maintains existing traffic LOS and/or prevents formation of a safety problem. 	<p>Project <u>does not relate to, nor have any impact on</u> public health and safety issues within the town.</p>
<p>EDUCATION -- applicability of project to educational priorities of the town.</p>	<p>Project is intended <u>directly</u> for the purpose of educating the town's children and is <u>essential</u> in order to meet state and local educational standards. This includes repair/maintenance of, as well as new buildings and structures used for classrooms, school-sponsored recreational activities, administrative support to schools, and other related projects</p>	<p>Project will be used <u>primarily</u> for education of the town's children, but may include other ancillary uses. Project is important, but not required in meeting minimum educational standards.</p>	<p>Project will be used <u>minimally</u> for direct education of the town's children. Primary use of the project will be other than education purposes. This project is not required toward meeting any educational standards, but may enhance existing programs/facilities.</p>	<p>Project is <u>not intended</u> to be used for educational purposes.</p>
<p>ECONOMIC DEVELOPMENT -- degree to which project meets economic development objectives of Town Council and other town plans.</p>	<p>Project would have <u>significant impact</u> on the ability to retain and expand business within the town. May include:</p> <ul style="list-style-type: none"> Significant impact on increasing year-round job opportunities, particularly high-paying jobs; Strong contribution to retaining existing and attracting new businesses to the town; Significant private contributions to project's future development; Substantially increases attraction for additional tourists to the town. 	<p>Project would make a <u>major contribution</u> to the Town's ability to retain and expand business. May include:</p> <ul style="list-style-type: none"> Create expanded job opportunities, year-round and seasonal; Measurable retention of existing business and/or possible attraction of new business to the town. May involve private contributions to the project directly or indirectly; Increases attraction of additional tourists to the town. 	<p>Project would have <u>some contribution</u> to the Town's ability to retain and expand businesses. May include:</p> <ul style="list-style-type: none"> Minimal impact on expanded job opportunities, or preventing loss of jobs; Some potential for attraction of new business to town. Little to no private contributions to the project directly or indirectly; May have some slight impact on attracting additional tourists to town. 	<p>Project <u>does not have any impact</u> on the Town's ability to retain and expand businesses, create jobs, tourism or the tax base.</p>

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 2

FY 2014 CAPITAL PROJECT EVALUATION CRITERIA

CRITERIA AND STRATEGIC PLAN AREA	HIGHEST IMPACT (Score of 4)	MEDIUM IMPACT (Score of 3)	LOW IMPACT (Score of 2)	NO IMPACT OR NOT APPLICABLE (Score of 0)
<p>INFRASTRUCTURE AND PROTECTION OF CAPITAL ASSETS -- degree to which project maintains and protects existing capital assets of the town.</p>	<ul style="list-style-type: none"> Project is <u>critical to save structural integrity</u> of existing asset or repair significant structural deterioration. Failure to act would result in complete loss of the asset or would require significantly more funds if repairs are delayed. Project would meet the needs of the community for a minimum of 20 years. 	<ul style="list-style-type: none"> Project is <u>necessary to repair or replace</u> assets before a partial loss of structural integrity causes the need for significant repairs. Project would last a minimum of <u>10 years</u>. Project would meet the needs of the community for a minimum of 10 years. 	<ul style="list-style-type: none"> Project will <u>improve appearance, public accessibility and/or deter future maintenance</u> of this type for a minimum of <u>5 years</u>. Project would meet the needs of the community for a minimum of 5 years. 	<p>Project does not improve or protect existing capital assets.</p>
<p>ENVIRONMENT AND NATURAL RESOURCES - - degree to which project conserves and protects natural and historical resources of the town.</p>	<p>Project is <u>critical to preservation</u> of a well-documented natural or historic town resource. Other applicable criteria may include:</p> <ul style="list-style-type: none"> Failure to approve project would result in damage or deterioration of key natural resource/environment in the near future. If not approved, project would have long-lasting negative impacts on the town's water supply or coastal resources. Failure to approve project would result in a loss of critical resources Project significantly impacts an ACEC, WP or GP designated area. Project is critical to protect / stabilize a town-owned significant historic resource; 	<p>Project will have <u>substantial impacts</u> on the ability to preserve or maintain a key natural or historic resource for the town. Other applicable criteria may include:</p> <ul style="list-style-type: none"> Project may repair natural ecological deterioration and may result in improved access by residents to enjoy resource. Maintains or improves the ecology of freshwater ponds, wetlands, or natural habitats. Project impacts GP designated district or other significant areas of concern. Project will improve / restore a historic resource as a physical record. 	<p>Project will <u>improve, but is not necessary</u> for the maintenance of a key natural or historic resource for the town. Other applicable criteria may include:</p> <ul style="list-style-type: none"> May improve access by the public to enjoy the resource. May add and/or expand the greenbelt system within the Town; or otherwise expand the amount of natural habitat. Project is necessary to conserve / retain existing historic materials and/or features. 	<p>Project <u>does not relate to or have any impact on</u> preservation or maintenance of natural or historic resources.</p>
<p>QUALITY OF LIFE-- degree to which project addresses town-wide quality of life for its residents.</p>	<ul style="list-style-type: none"> Project is <u>critical to the continuation</u> or needed expansion of an existing cultural and/or human service. Project is <u>required</u> to respond to a <u>documented</u> health, cultural and/or human service <u>need</u>. Project <u>significantly expands</u> the quality of life for the residents of the town. 	<ul style="list-style-type: none"> Project <u>maintains or enhances</u> the ability to deliver cultural and/or human services. Project <u>enhances the existing</u> quality of life within the town. 	<ul style="list-style-type: none"> Project <u>supports</u> the delivery of cultural and/or human services. Project <u>supports the existing</u> quality of life within the town. 	<ul style="list-style-type: none"> Project is <u>not related</u> to the delivery of cultural and/or human services. Project <u>does not impact</u> the quality of life within the town.

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 2

FY 2014 CAPITAL PROJECT EVALUATION CRITERIA

CRITERIA AND STRATEGIC PLAN AREA	HIGHEST IMPACT (Score of 4)	MEDIUM IMPACT (Score of 3)	LOW IMPACT (Score of 2)	NO IMPACT OR NOT APPLICABLE (Score of 0)
<p>FINANCING -- availability of non-general fund financing overall financial feasibility.</p>	<p>Project has a <u>highly positive fiscal impact</u> due to the following:</p> <ul style="list-style-type: none"> Implementing project would result in significant increased revenues to the town or significantly expands the non-residential tax base; Non-general fund revenues sufficient to support 75-100% of project expense; and have been identified and applied for. 	<p>Project has a <u>generally positive fiscal impact</u> due to the following:</p> <ul style="list-style-type: none"> Project would result some increased revenue to the town or increases the non-residential tax base somewhat; Non-general fund revenues sufficient to support 25-74% of project expense have been identified. 	<p>Project has a <u>neutral to slightly positive fiscal impact</u> due to the following:</p> <ul style="list-style-type: none"> Additional revenues would not offset additional costs. Project supported by 1-25% of non-general fund revenues. 	<p>Project has a <u>negative fiscal impact</u> due to the following:</p> <ul style="list-style-type: none"> None of the cost of the project will be funded by non-general funds. Project would not bring in additional revenues.
<p>OPERATING COST IMPACT -- degree to which project is required to reduce or eliminate short-term operating costs; and its impact on future operating budget.</p>	<p>Project has a <u>highly positive impact on the operating budget</u> due to:</p> <ul style="list-style-type: none"> Implementing project would substantially decrease current operating fund expenditures due to current excessive maintenance, patching, etc. costing more than 50% of the cost of the project, prorated over 3 years; 100% of future operating costs can be absorbed within existing budgets once project is completed. Not doing project would result in significant increased operating costs to the town in the near future (i.e. major repair versus complete replacement). 	<p>Project has a <u>generally positive impact on the operating budget</u> due to:</p> <ul style="list-style-type: none"> Implementing project may moderately decrease current operating fund expenditures due to on-going repairs, maintenance, etc. costing between 25-50% of cost of the project prorated over 3 years; Project would result in minimal increase in future operating costs for the benefits gained; Not doing project would result in a noticeable, but not significant increase in expenditure of operating funds to repair or make asset usable in the short term. 	<p>Project has a <u>neutral to slightly positive impact on the operating budget</u> due to:</p> <ul style="list-style-type: none"> Implementing project may decrease or have a neutral affect on current operating fund expenditures due to on-going repair, maintenance, etc. costing up to 25% of the cost of the project prorated over 3 years; Project would increase future operating costs with only minimal benefits received; Not doing project would result in the need for minimal additional operating funds for repair / maintenance of current assets. 	<p>Projects has a <u>negative impact on the operating budget</u> due to:</p> <ul style="list-style-type: none"> Significant increase in current operating fund expenditures required maintaining, repairing, or otherwise operating project. Project requires significant increase in future operating fund expenditures without documented benefits
<p>PLANNING AND RELATIONSHIP TO EXISTING PLANS -- how the project addresses implementation of previously developed plans of the town to protect and enhance human and physical assets.</p>	<p>Project is <u>specifically included in a plan adopted by a State, Regional or Local Legislative</u> body, such as:</p> <ul style="list-style-type: none"> Specifically listed in the annual Town Council Strategic Plan. Included within the prior 5 year Capital Improvement Program Listed as a priority in the 5 Year Capital Improvements Plan of the LCP (once adopted). Project included in a State Bond Bill Project is specifically listed in a plan adopted by the Town Council. 	<p>Project is part of an <u>Executive Order or Plan of Action adopted by the School Board and/or the Town Manager</u>, such as:</p> <ul style="list-style-type: none"> Project generally supports the policies and/or resolves adopted by the Town Council Project is included in the current year Transportation Improvement Program (TIP). Project <u>specifically included</u> in a plan adopted by the School Board and/or the Town Manager 	<p>Project is included as <u>part of a Town Departmental Work Plan</u>, or part of a functional service delivery system such as.</p> <ul style="list-style-type: none"> Project supports the Departmental Mission and prioritizes needed action Project needed to accomplish a major service effort Project <u>supports a plan</u> adopted by the School Board and/or the Town Manager 	<p>Project is <u>not related</u> to the plans, policies or resolves adopted by the Town Council or other agencies of the town.</p>

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 2

FY 2014 CAPITAL PROJECT EVALUATION CRITERIA

CRITERIA AND STRATEGIC PLAN AREA	HIGHEST IMPACT (Score of 4)	MEDIUM IMPACT (Score of 3)	LOW IMPACT (Score of 2)	NO IMPACT OR NOT APPLICABLE (Score of 0)
<p>USAGE AND SERVICE DEMAND -- degree to which project is used by population and manner in which it is used.</p>	<ul style="list-style-type: none"> • Project will be in <u>continuous usage</u> or will be used year round. • Project will serve <u>50 to 100%</u> of the population of the town. • Project serves <u>three or more functions</u> and/or needs of the town. 	<ul style="list-style-type: none"> • Project will be used <u>the majority of the year</u>. • Project will serve <u>25 to 75%</u> of the population of the town or is designed for a village or other sub-area of the town. • Project serves at least two functions and/or needs of the town. 	<ul style="list-style-type: none"> • Project will be used <u>seasonally</u>. • Project will serve <u>less than 25%, but more than 5%</u> of the population of the town or is designed for a limited service area. • Project serves a <u>single service</u> and/or need of the town. 	<ul style="list-style-type: none"> • Project will be <u>only intermittently used</u>. • Project will provide <u>limited services</u> to a very limited service area.

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 3

PROJECT #	PRIORITY	DEPT	DIV	ACTION YR	COST \$	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC
								Henry	Laurie	Greg	Laura	
AIR 14	1	Airport	AP	14	1,000,000	N	Additional Funding Retrofit/Reconstruct Runway 6/24 EMAS Pad	20	21	27	26	23.5
AIR 14	2	Airport	AP	14	260,000	N	Replace Airfield Lighting Regulators & FAA Mandatory Runway Hold Position Signs	20	12	27	27	21.5
AIR 14	3	Airport	AP	14	4,800,000	N	Design & Construct Main Terminal Ramp (Phase2) & Construct 43,000 sq/ft De-icing area	15	16	20	18	17.3
AIR 14	4	Airport	AP	14	810,000	N	Construct New Fuel Farm (3-20,000 Gal above Ground Fuel Storage Tanks)	21	18	14	15	17.0
AIR 14	5	Airport	AP	14	634,000	N	Construct East Ramp Sewer Extension (Associated Sewer Lines & 7,000 gal Pumping Station)	23	12	12	22	17.3
AIR 14	6	Airport	AP	14	102,000	Y	Airport Fixed Base Operations (FBO) Building - Permitting & Design Only	14		0	20	11.3
AIR 14	7	Airport	AP	14	200,000	N	Airport Terminal Enhancements & Airport Rescue/Firefighting Building Engineering Review	14	14	10	16	13.5
AIR 14	8	Airport	AP	14	90,000	N	Install Enhanced Airfield Access Control & Security Upgrades	15	11	16	15	14.3
AIR 14	9	Airport	AP	15	2,600,000	N	Relocate & Construct Taxiway Alpha from Taxiway Delta to end of Runway 15	0	12	11	15	9.5
AIR 14	10	Airport	AP	15	75,000	N	Design & Replace East Ramp T-Hangar Roof		14.0	8.0	10.0	10.7
AIR 14	11	Airport	AP	15	80,000	N	FAA/FAR PART150 Noise Exposure re Map Update		16.0	16.0	20.0	17.3
AIR 14	12	Airport	AP	15	650,000	N	Design & Construct New T-Hangar		10.0	14.0	22.0	15.3
AIR 14	13	Airport	AP	16	60,000	N	Design & Replace Airfield Vault 100kw Emergency Generator & Remove Underground Fuel Tank		8.0	2.0	6.0	5.3
AIR 14	14	Airport	AP	16	730,000	N	Replace Snow Removal Equipment & Aircraft Rescue and Fire Fighting Equipment		8.0	11.0	10.0	9.7
AIR 14	15	Airport	AP	17	5,000,000	N	Runway 15-33 & Taxiway Echo Major Reconstruction		10.0	11.0	14.0	11.7
AIR 14	16	Airport	AP	17	2,500,000	N	Design and Reconstruct Taxiway Charlie		6.0	11.0	12.0	9.7
AIR 14	17	Airport	AP	16/18	4,600,000	Y	Permit, Design, Reconstruct East Ramp & Taxiways Bravo and Delta		10.0	10.0	11.0	10.3
AIR 14	18	Airport	AP	17	5,000,000	N	Runway 6-24 major Reconstruction		10.0	12.0	11.0	11.0
AIR 14	19	Airport	AP	17	2,500,000	N	Land Acquisition Runway 33 Safety Area/Protection Zone		14.0	9.0	15.0	12.7
AIR 14	20	Airport	AP	18	3,500,000	N	Design & Construct New Extended and Relocated Taxiways Bravo & Bravo One		8.0	6.0	10.0	8.0
AIR 14	21	Airport	AP	18	800,000	N	Airport FAA Master Plan & Utilities GIS Survey		6.0	11.0	8.0	8.3
TOTAL AIRPORT								15.8	11.8	12.3	15.4	13.1
PW 14	1	Public Works	SW	14	225,000	N	Rear Loader Trash Truck	16.0			15.0	15.5
PW 14	2	Public Works	SW	14	190,000	N	Container Roll-Off Truck	14.0			14.0	14.0
TOTAL PUBLIC WORKS SOLID WASTE								30.0			29.0	29.5
PW 14	1	Public Works	WS	14	1,050,000	Y	Pipe Replacement & Upgrade Program	28.0		24.0	27.0	26.3
PW 14	2	Public Works	WS	14	200,000	Y	Wells Pump Station & Treatment Plant Repair and Upgrade	25.0		27.0	26.0	26.0
PW 14	3	Public Works	WS	14	489,500	Y	New Well Exploration Program	22.0		20.0	22.0	21.3
PW 14	4	Public Works	WS	14	300,000	N	Maher Treatment Plant Air-stripper Upgrade	22.0		29.0	28.0	26.3
PW 14	5	Public Works	WS	14	540,000	N	Construction Water Main Looping between Highland Street and Cook Circle	18.0		3.0	10.0	10.3
TOTAL PUBLIC WORKS WATER SUPPLY								23.0		20.6	22.6	22.1
PW 14	1	Public Works	WPC	14	225,000	N	Upgrade/Replace Staff Locker Room	14		11	13	12.7
PW 14	2	Public Works	WPC	14	80,000	N	Bearse's Way Pump Station (Backup Pump)	18		10	10	12.7
PW 14	3	Public Works	WPC	14	50,000	Y	Pretreatment Building Evaluate and Paint Concrete Walls & Tanks - FY14 Design Only	13		9	10	10.7
PW 14	4	Public Works	WPC	14	50,000	N	Evaluate Infiltration Capacity of Sand Infiltration Beds	17		14	16	15.7
PW 14	5	Public Works	WPC	15-17	3,450,000	Y	Septage Building Capacity	24		17	18	19.7
PW 14	6	Public Works	WPC	15&17	10,800,000	Y	Plant Upgrading to Control Total Organic Carbon & Total Nitrogen Effluent Limit	26		12	15	17.7
TOTAL PUBLIC WORKS WASTE WATER								18.7		12.17	13.7	14.8
					53,640,500							
TOTALS - ENTERPRISE FUNDS								21.9	11.8	15.0	20.2	19.9

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 4

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	COST \$	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC
								Henry	Laurie	Greg	Laura	
GENERAL FUND PROJECTS												
AS 14	1	Admin Serv	FI	14	90,000	N	Conversion Microfiche Cards to General Code Laserfiche Format in Assessing Office	17.0	4.0	13.0	16.0	12.5
AS 14	1	Admin Serv	IS	15/16	208,000	Y	Arial Flyover & Mapping			12.0	14.0	13.0
AS 14	2	Admin Serv	IS	16	86,500	N	Summer Flyover of Waterways			15.0	15.0	15.0
TOTAL ADMINISTRATIVE SERVICES - GENERAL FUND								17.0	4.0	13.3	15.0	13.5
CS 14	1	Cmty Services	REC	14	766,000	Y	Beach House Construction/Renovations (Craigville Design FY 14)	23.0	27.0	10.0	23.0	20.8
CS 14	2	Cmty Services	SS	14	279,000	N	Senior Center Parking Lot Expansion	8.0	6.0	11.0	14.0	9.8
CS 14	3	Cmty Services	MEA	14	600,000	N	Dredge East Bay Entrance Channel & East Bay Channel to Boat Ramp	13.0	19.0	17.0	18.0	16.8
CS 14	4	Cmty Services	MEA	14	133,254	N	Mill Way Boat Ramp & Dock Replacement	23.0	18.0	15.0	20.0	19.0
CS 14	5	Cmty Services	REC	14	185,000	N	Osterville Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0
CS 14	6	Cmty Services	REC	14	178,080	N	Cotuit Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0
CS 14	7	Cmty Services	REC	14	168,000	N	West Barnstable Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0
CS 14	8	Cmty Services	MEA	14	160,000	N	Blish Point Sand Management Design & Permitting	14.0	6.0	4.0	8.0	8.0
CS 14	9	Cmty Services	REC	14	174,858	N	Osterville Community Building Interior & Exterior	6.0	6.0	6.0	4.0	5.5
CS 14	10	Cmty Services	MEA	14	103,200	Y	MEA Facility Improvements	11.0		8.0	10.0	9.7
CS 14	11	Cmty Services	REC	14	100,931	Y	Lombard Field Improvements - Design Only (Construction FY 15/16/17)	7.0	12.0	12.0	10.0	10.3
CS 14	12	Cmty Services	MEA	14	75,000	Y	Hyannisport Breakwater Repairs Design Only (Construction FY16 @ \$1.4mil)	21.0	17.0	19.0	21.0	19.5
CS 14	13	Cmty Services	MEA	14	109,553	Y	MEA Facility Addition Design Only (Construction FY15 @ \$653K)	14.0	9.0	14.0	10.0	11.8
CS 14	14	Cmty Services	REC	14	72,000	N	West Barnstable Community Building Interior Improvements	15.0	6.0	10.0	12.0	10.8
CS 14	15	Cmty Services	REC	14	170,000	Y	Centerville Community Building Improvements (Additional Improvements FY17 &18)	10.0	11.0	8.0	10.0	9.8
CS 14	16	Cmty Services	REC	14	101,108	N	Lowell Park Comfort Station Replacement Design Only (Construction FY15 @ \$506K)				15.0	15.0
CS 14	17	Cmty Services	MEA	14	65,000	Y	Bismore Park Phase II Site Improvements Design Only (Construct FY15 @ \$590K)			8.0	8.0	8.0
TOTAL COMMUNITY SERVICES - GENERAL FUND								12.6	11.9	10.4	12.5	11.8
POL14	14	Police	POL		168,000	Y	Barnstable Police Facility Improvements	19.0	16.0	26.0	27.0	22.0
TOTAL POLICE - GENERAL FUND								19.0	16.0	26.0	27.0	22.0

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 4

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	COST \$	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC
								Henry	Laurie	Greg	Laura	
GENERAL FUND PROJECTS												
PW 14	1	Public Works	PW	14	3,250,000	Y	Public Roads Maintenance	26	32	18	30	26.5
PW 14	1	Public Works	PW	14	569,000	Y	West Bay Bridge Repairs - Design & Construct Short Term Architectural & Structural Repairs	20	26	14	24	21.0
PW 14	1	Public Works	PW	14	142,000	N	School Street Hyannis Bulkhead Repair	22	0	19	24	16.3
PW 14	2	Public Works	PW	14	120,000	N	Bumps River Bridge Repair - Deck Surface Cracks, Railings & Sub-structure Brace Supports	22	22	16	20	20.0
PW 14	3	Public Works	PW	14	103,000	Y	Structures & Grounds Facility Upgrades - Replace Roofing over Offices & Pole Barn Bldg	15	9	11	16	12.8
PW 14	4	Public Works	PW	14	150,000	Y	Town Hall Interior Improvements - Phase 1B Design, Stairwells, Corridors, Security, etc	20	11	20	20	17.8
PW 14	5	Public Works	PW	14	240,000	Y	School Administration Bldg - Phase 1 Design Only - Mechanical and Electrical Improvements	16	6	13	18	13.3
PW 14	6	Public Works	PW	14	250,000	Y	Signal Upgrade - Design Only 3 Intersections FY14	12	9	4	10	8.8
PW 14	8	Public Works	PW	14	67,440	Y	Roadway Guard Rail Repairs - Town Wide	23	12	15	18	17.0
PW 14	9	Public Works	PW	14	70,000	N	Paine Black House Improvements - Septic System & Bldg Stabilization & Repair	12	10	13	14	12.3
PW 14	10	Public Works	PW	14	147,561	N	Guyer Barn Improvements - Plumbing, Electrical, HVAC and Interior Improvements	23	11	16	11	15.3
PW 14	11	Public Works	PW	14	262,700	Y	Trayser Museum Repairs Phase 1 Brick Repair & Design Services for Repairs	18	13	8	16	13.8
PW 14	12	Public Works	PW	14	567,888	Y	DPW Highway Bldgs - Phase III - Employee Locker, Shower and Toilet Facilities & Re-roof Garage	17	9	8	16	12.5
PW 14	13	Public Works	PW	14	50,000	Y	Barnstable Drainage Study - Area including Cummaquid Golf Course & Maraspin Creek Headwater	19	6	0	12	9.3
PW 14	14	Public Works	PW	14	301,124	N	Mosswood Cemetery Bldg - Addition to provide Bathroom & Employee Locker Room Area	16	4	8	14	10.5
PW 14	15	Public Works	PW	14	88,000	N	50 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10	12.0
PW 14	16	Public Works	PW	14	70,212	N	46 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10	12.0
PW 14	17	Public Works	PW	14	195,777	N	Trayser Carriage House - Exterior Masonry & Fenestration Repairs	11			10	10.5
PW 14	18	Public Works	PW	14	113,648	N	DPW Highway Parking Lot - Design & Construct	10	2	2	4	4.5
PW 14	19	Public Works	PW	14	167,620	Y	Town Hall Parking Lot - Design Only - Resolve Traffic & Pedestrian Flow Problems & Upgrade Area	14	7	4	4	7.3
PW 14	20	Public Works	PW	14	355,387	Y	200 Main Street - Design & Construct Storage Space Town Records, Vault Storage & Elevator	12	10	7	14	10.8
PW 14	21	Public Works	PW	14	230,000	Y	Quantitative Water Quality Initial Evaluation	21	22	17	18	19.5
PW 14	22	Public Works	PW	14	69,000	N	Sewer CAD Model Extension	8	26	18	21	18.3
PW 14	23	Public Works	PW	14	60,000	Y	Parkers Pond Dredging - Design Only FY14	20			20	20.0
PW 14	24	Public Works	PW	14	50,000	Y	Rushy Marsh Pond Restoration Project - Re-design Larger Discharge Structure to Nantucket Sound	22	6	12	18	14.5
TOTAL PUBLIC WORKS								17.0	11.9	11.9	15.7	14.2
RS 14	1	Reg Services	RS	14	45,000	Y	Long Pond Centerville & Mystic Lake MM Hydrilla Control	20	18	13	16	16.8
RS 14	2	Reg Services	RS	14	45,000	Y	Wequaquet Lake Project (incl Barse's Pond & Gooseberry Cove) - Fanwort Control	20	18	11	15	16.0
RS 14	3	Reg Services	RS	14	196,500	N	Shooting Range Improvements (Noise abating berm & new pistol range-design & constr)	14	10	7	8	9.8
TOTAL REGULATORY SERVICES								18.0	15.3	10.3	13.0	14.2

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 4

PROJECT #	DEPT PRIORITY	DEPT	DIV	ACTION YR	COST \$	Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC
								Henry	Laurie	Greg	Laura	
GENERAL FUND PROJECTS												
SCH 14	1	Schools	SCH	14	200,000	Y	Upgrade High School Fire, Intrusion & Communication System	21.0	10.0	29.0	26.0	21.5
SCH 14	2	Schools	SCH	14	188,695	Y	Infrastructure Improvements Barnstable Public School Network- Access to Internet & Ed Resources	21.0	12.0	28.0	24.0	21.3
SCH 14	3	Schools	SCH	14	450,000	N	Replace Three High School Library A/C Units	19.0	12.0	23.0	16.0	17.5
SCH 14	4	Schools	SCH	14	85,000	N	West Villages Hot Water Circulating Pump Replacements	16.0		14.0	16.0	15.3
SCH 14	5	Schools	SCH	14	55,000	N	High School & United 4/5 Elementary School Gym Bleacher Upgrades & Safety Improvements	20.0		10.0	12.0	14.0
SCH 14	6	Schools	SCH	14	600,000	N	United 4/5 Elementary School Roofing & Trim Replacement	18.0		14.0	18.0	16.7
SCH 14	7	Schools	SCH	14	100,000	Y	Barnstable Intermediate School Façade & Roof Improvements	19.0		11.0	14.0	14.7
SCH 14	8	Schools	SCH	14	150,000	N	Barnstable Public School Grounds Equipment Upgrades (Mower, Tractor & Attachments)	16.0		6.0	11.0	11.0
SCH 14	9	Schools	SCH	14	125,000	N	Removal of Modular Classrooms @ Three Elementary Schools	20.0		9.0	20.0	16.3
SCH 14	10	Schools	SCH	14	60,000	Y	Replace & Upgrade Walk-in Coolers @ High School, Hyannis West and Centerville Elementary	18.0		9.0	12.0	13.0
SCH 14	11	Schools	SCH	14	100,000	N	Remove & Dispose Underground Oil Storage Tanks @ Hyannis West and Centerville Elementary	16.0		3.0	14.0	11.0
SCH 14	12	Schools	SCH	14	50,000	Y	School Wide Kitchen Equipment Upgrades	17.0		6.0	22.0	15.0
SCH 14	13	Schools	SCH	15/16	200,000	Y	Performing Arts Center Upgrades & Improvements (Rigging, Curtains & Lighting)			6.0	6.0	6.0
SCH 14	14	Schools	SCH	15	75,000	N	United 4/5 Elementary School - Rebuild/Replacement Hot Water Circulating Pumps			9.0	12.0	10.5
SCH 14	15	Schools	SCH	16/17	750,000	Y	High School Roof Top Ventilator Replacement (3 units FY16, 2 units FY17)	9.0		8.0	10.0	9.0
TOTAL SCHOOLS								17.7	11.3	12.3	15.5	14.2
TOTAL GENERAL FUND								16.9	11.7	14.0	16.5	15.0

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 5

GENERAL FUND PROJECTS							Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	CFAC Rank	Town Rank	Recommended Funding
PROJECT	DEPT PRIORI	DEPT	DI	ACTION YR	Total COST	2014 Request			Henry	Laurie	Greg	Laura				
PW 14	1	Public Works	PW	14	\$ 3,250,000	3,250,000	Y	Public Roads Maintenance	26	32	18	30.0	26.5	1	1	\$ 3,250,000
POL14	14	Police	POL	14	\$ 168,000	168,000	Y	Barnstable Police Facility Improvements	19.0	16.0	26.0	27.0	22.0	2	3	\$ 168,000
SCH 14	1	Schools	SCH	14	\$ 200,000	200,000	Y	Upgrade High School Fire, Intrusion & Communication System	21.0	10.0	29.0	26.0	21.5	3	2	\$ 200,000
SCH 14	2	Schools	SCH	14	\$ 188,695	188,695	Y	Infrastructure Improvements Barnstable Public School Network- Access to Internet & Ed Resource	21.0	12.0	28.0	24.0	21.3	4	6	\$ 188,695
PW 14	1	Public Works	PW	14	\$ 569,000	569,000	Y	West Bay Bridge Repairs - Design & Construct Short Term Architectural & Structural Repairs	20	26	14	24.0	21.0	5	24	\$ 569,000
CS 14	1	Cmty Services	REC	14	\$ 766,000	766,000	Y	Beach House Construction/Renovations (Craigville Design FY 14)	23.0	27.0	10.0	23.0	20.8	6	12	\$ 766,000
PW 14	2	Public Works	PW	14	\$ 120,000	120,000	N	Bumps River Bridge Repair - Deck Surface Cracks, Railings & Sub-structure Brace Supports	22	22	16	20.0	20.0	7	22	\$ 120,000
PW 14	23	Public Works	PW	14	\$ 60,000	60,000	Y	Parkers Pond Dredging - Design Only FY14	20			20.0	20.0	8	62	\$ 60,000
CS 14	12	Cmty Services	MEA	14	\$ 75,000	75,000	Y	Hyannisport Breakwater Repairs Design Only (Construction FY16 @ \$1.4mil)	21.0	17.0	19.0	21.0	19.5	9	20	\$ 75,000
PW 14	21	Public Works	PW	14	\$ 230,000	230,000	Y	Quantitative Water Quality Initial Evaluation	21	22	17	18.0	19.5	10	18	\$ 230,000
CS 14	4	Cmty Services	MEA	14	\$ 133,254	133,254	N	Mill Way Boat Ramp & Dock Replacement	23.0	18.0	15.0	20.0	19.0	11	31	\$ 133,254
PW 14	22	Public Works	PW	14	\$ 69,000	69,000	N	Sewer CAD Model Extension	8	26	18	21.0	18.3	12	32	\$ 69,000
PW 14	4	Public Works	PW	14	\$ 150,000	150,000	Y	Town Hall Interior Improvements - Phase 1B Design, Stairwells, Corridors, Security, etc	20	11	20	20.0	17.8	13	5	\$ 150,000
SCH 14	3	Schools	SCH	14	\$ 450,000	450,000	N	Replace Three High School Library A/C Units	19.0	12.0	23.0	16.0	17.5	14	15	\$ 450,000
PW 14	8	Public Works	PW	14	\$ 67,440	67,440	Y	Roadway Guard Rail Repairs - Town Wide	23	12	15	18.0	17.0	15	36	\$ 67,440
CS 14	3	Cmty Services	MEA	14	\$ 600,000	600,000	N	Dredge East Bay Entrance Channel & East Bay Channel to Boat Ramp	13.0	19.0	17.0	18.0	16.8	16	37	\$ 600,000
RS 14	1	Reg Services	RS	14	\$ 45,000	45,000	Y	Long Pond Centerville & Mystic Lake MM Hydrilla Control	20	18	13	16.0	16.8	17	21	\$ 45,000
SCH 14	6	Schools	SCH	14	\$ 600,000	600,000	N	United 4/5 Elementary School Roofing & Trim Replacement	18.0		14.0	18.0	16.7	18	7	\$ 600,000
SCH 14	9	Schools	SCH	14	\$ 125,000	125,000	N	Removal of Modular Clasrooms @ Three Elementary Schools	20.0		9.0	20.0	16.3	19	23	\$ 125,000
PW 14	1	Public Works	PW	14	\$ 142,000	142,000	N	School Street Hyannis Bulkhead Repair	22		19	24.0	21.7	20	17	\$ 142,000
RS 14	2	Reg Services	RS	14	\$ 45,000	45,000	Y	Wequaquet Lake Project (incl Bears's Pond & Gooseberry Cove) - Fanwort Control	20	18	11	15.0	16.0	21	27	\$ 45,000
SCH 14	4	Schools	SCH	14	\$ 85,000	85,000	N	West Villages Hot Water Circulating Pump Replacements	16.0		14.0	16.0	15.3	22	9	\$ 85,000
PW 14	10	Public Works	PW	14	\$ 147,561	147,561	N	Guyer Barn Improvements - Plumbing, Electrical, HVAC and Interior Improvements	23	11	16	11.0	15.3	23		
AS 14	2	Admin Serv	IS	16	\$ 86,500		N	Summer Flyover of Waterways			15.0	15.0	15.0	24		
CS 14	16	Cmty Services	REC	14	\$ 101,108	101,108	N	Lowell Park Comfort Station Replacement Design Only (Construction FY15 @ \$506K)				15.0	15.0	25		
SCH 14	12	Schools	SCH	14	\$ 50,000	50,000	Y	School Wide Kitchen Equipment Upgrades	17.0		6.0	22.0	15.0	26		
SCH 14	7	Schools	SCH	14	\$ 100,000	100,000	Y	Barnstable Intermediate School Façade & Roof Improvements	19.0		11.0	14.0	14.7	27		
PW 14	24	Public Works	PW	14	\$ 50,000	50,000	Y	Rushy Marsh Pond Restoration Project - Re-design Larger Discharge Structure to Nantucket Sour	22	6	12	18.0	14.5	28	26	\$ 50,000
SCH 14	5	Schools	SCH	14	\$ 55,000	55,000	N	High School & United 4/5 Elementary School Gym Bleacher Upgrades & Safety Improvements	20.0		10.0	12.0	14.0	29	13	\$ 55,000

\$ 8,243,389

CFAC FY 2014 CAPITAL IMPROVEMENTS PLAN REPORT

ATTACHMENT 5

GENERAL FUND PROJECTS								Multi-Year Project Y/N	PROJECT TITLE	Scorers				Total Ave CFAC	CFAC Rank
PROJECT	PRIORI	DEPT	DJ	ACTION YR	Total COST	2014 Request	Henry			Laurie	Greg	Laura			
PW 14	11	Public Works	PW	14	\$ 262,700	262,700	Y	Trayser Museum Repairs Phase 1 Brick Repair & Design Services for Repairs	18	13	8	16.0	13.8	30	
PW 14	5	Public Works	PW	14	\$ 240,000	240,000	Y	School Administration Bldg - Phase 1 Design Only - Mechanical and Electrical Improvements	16	6	13	18.0	13.3	31	
AS 14	1	Admin Serv	IS	15/16	\$ 208,000		Y	Arial Flyover & Mapping			12.0	14.0	13.0	32	
SCH 14	10	Schools	SCH	14	\$ 60,000	60,000	Y	Replace & Upgrade Walk-in Coolers @ High School, Hyannis West and Centerville Elementary	18.0		9.0	12.0	13.0	33	
PW 14	3	Public Works	PW	14	\$ 103,000	103,000	Y	Structures & Grounds Facility Upgrades - Replace Roofing over Offices & Pole Barn Bldg	15	9	11	16.0	12.8	34	
AS 14	1	Admin Serv	FI	14	\$ 90,000	90,000	N	Conversion Microfiche Cards to General Code Laserfiche Format in Assessing Office	17.0	4.0	13.0	16.0	12.5	35	
PW 14	12	Public Works	PW	14	\$ 567,888	567,888	Y	DPW Highway Bldgs - Phase III - Employee Locker, Shower and Toilet Facilities & Re-roof Garage	17	9	8	16.0	12.5	36	
PW 14	9	Public Works	PW	14	\$ 70,000	70,000	N	Paine Black House Improvements - Septic System & Bldg Stabilization & Repair	12	10	13	14.0	12.3	37	
PW 14	15	Public Works	PW	14	\$ 88,000	88,000	N	50 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10.0	12.0	38	
PW 14	16	Public Works	PW	14	\$ 70,212	70,212	N	46 Pearl Street Bldg - Interior & Exterior Improvements	13	10	15	10.0	12.0	39	
CS 14	13	Cmty Services	MEA	14	\$ 109,553	109,553	Y	MEA Facility Addition Design Only (Construction FY15 @ \$653K)	14.0	9.0	14.0	10.0	11.8	40	
SCH 14	8	Schools	SCH	14	\$ 150,000	150,000	N	Barnstable Public School Grounds Equipment Upgrades (Mower, Tractor & Attachments)	16.0		6.0	11.0	11.0	41	
SCH 14	11	Schools	SCH	14	\$ 100,000	100,000	N	Remove & Dispose Underground Oil Storage Tanks @ Hyannis West and Centerville Elementary	16.0		3.0	14.0	11.0	42	
CS 14	14	Cmty Services	REC	14	\$ 72,000	72,000	N	West Barnstable Community Building Interior Improvements	15.0	6.0	10.0	12.0	10.8	43	
PW 14	20	Public Works	PW	14	\$ 355,387	355,387	Y	200 Main Street - Design & Construct Storage Space Town Records, Vault Storage & Elevator	12	10	7	14.0	10.8	44	
PW 14	14	Public Works	PW	14	\$ 301,124	301,124	N	Mosswood Cemetery Bldg - Addition to provide Bathroom & Employee Locker Room Area	16	4	8	14.0	10.5	45	
PW 14	17	Public Works	PW	14	\$ 195,777	195,777	N	Trayser Carriage House - Exterior Masonry & Fenestration Repairs	11			10.0	10.5	46	
SCH 14	14	Schools	SCH	15	\$ 75,000		N	United 4/5 Elementary School - Rebuild/Replacment Hot Water Circulating Pumps			9.0	12.0	10.5	47	
CS 14	11	Cmty Services	REC	14	\$ 100,931	100,931	Y	Lombard Field Improvements - Design Only (Construction FY 15/16/17)	7.0	12.0	12.0	10.0	10.3	48	
CS 14	2	Cmty Services	SS	14	\$ 279,000	279,000	N	Senior Center Parking Lot Expansion	8.0	6.0	11.0	14.0	9.8	49	
CS 14	15	Cmty Services	REC	14	\$ 170,000	170,000	Y	Centerville Community Building Improvements (Additional Improvements FY17 &18)	10.0	11.0	8.0	10.0	9.8	50	
RS 14	3	Reg Services	RS	14	\$ 196,500	196,500	N	Shooting Range Improvements (Noise abating berm & new pistol range-design & constr)	14	10	7	8.0	9.8	51	
CS 14	10	Cmty Services	MEA	14	\$ 103,200	103,200	Y	MEA Facility Improvements	11.0		8.0	10.0	9.7	52	
PW 14	13	Public Works	PW	14	\$ 50,000	50,000	Y	Barnstable Drainage Study - Area including Cummaquid Golf Course & Maraspin Creek Headwater	19	6	0	12.0	9.3	53	
CS 14	5	Cmty Services	REC	14	\$ 185,000	185,000	N	Osterville Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	54	
CS 14	6	Cmty Services	REC	14	\$ 178,080	178,080	N	Cotuit Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	55	
CS 14	7	Cmty Services	REC	14	\$ 168,000	168,000	N	West Barnstable Tennis Courts Reconstruct	8.0	10.0	8.0	10.0	9.0	56	
SCH 14	15	Schools	SCH	16/17	\$ 750,000		Y	High School Roof Top Ventilator Replacement (3 units FY16, 2 units FY17)	9.0		8.0	10.0	9.0	57	
PW 14	6	Public Works	PW	14	\$ 250,000	250,000	Y	Signal Upgrade - Design Only 3 Intersections FY14	12	9	4	10.0	8.8	58	
CS 14	8	Cmty Services	MEA	14	\$ 160,000	160,000	N	Blish Point Sand Management Design & Permitting	14.0	6.0	4.0	8.0	8.0	59	
CS 14	17	Cmty Services	MEA	14	\$ 65,000	65,000	Y	Bismore Park Phase II Site Improvements Design Only (Construct FY15 @ \$590K)			8.0	8.0	8.0	60	
PW 14	19	Public Works	PW	14	\$ 167,620	167,620	Y	Town Hall Parking Lot - Design Only - Resolve Traffic & Pedestrian Flow Problems & Upgrade Area	14	7	4	4.0	7.3	61	
SCH 14	13	Schools	SCH	15/16	\$ 200,000		Y	Performing Arts Center Upgrades & Improvements (Rigging, Curtains & Lighting)			6.0	6.0	6.0	62	
CS 14	9	Cmty Services	REC	14	\$ 174,858	174,858	N	Osterville Community Building Interior & Exterior	6.0	6.0	6.0	4.0	5.5	63	
PW 14	18	Public Works	PW	14	\$ 113,648	113,648	N	DPW Highway Parking Lot - Design & Construct	10	2	2	4.0	4.5	64	
TOTAL GENERAL FUND					\$ 15,159,036	\$ 13,839,536			16.9	11.7	14.0	16.5	15.0		

FY 2014 BUDGET ACTION CALENDAR

Monday	September	10 2012	Town Manager issues instructions to Departments (incl Schools) for FY 2014 Capital Budget See O:Drive\Budget\14Budget\14CIP also R:Drive\Budget\14Budget\14CIP (Instructions, Calendar & Forms)
Wednesday	September	19 2012	Departments submit drafts of not less than 2 sets of performance measures to Town Manager
Thursday	September	27 2012	Town Manager and School Superintendent meet to discuss/finalize a revenue sharing agreement for FY 2014
Wednesday	October	24 2012	Town Manager issues instructions to Departments (incl Schools) for FY 2014 Operating Budget
Friday	October	26 2012	Town Manager issues instructions to Libraries for FY 2014 Operating Budget
Friday	October	26 2012	All Departments submit review of existing capital projects to Finance Director and Town Manager (See CIP Instructions)
Monday	October	29 2012	Municipal Departments submit preliminary listing of any proposed FY 2014 position changes with supporting justification to Human Resources (copy Town Manager)
Monday	November	5 2012	Deadline for electronic version of Municipal & School Departments FY 2014 CIP project requests in O:Drive
Monday	November	5 2012	All Departments (incl Schools) submit 6 hard copies of FY 14 CIP Project Requests to Town Manager
Tuesday	November	6 2012	Federal, State and County election
Thursday	November	15 2012	Director HR submits position changes summary including comments to Town Manager
Monday	November	19 2012	CIP Task Force begins scoring of CIP Projects (to be completed Friday December 21)
			CFAC begins review of FY14 - FY18 CIP Department Requests (to be completed Monday February 4)
Tuesday	December	4 2012	Town Manager conducts public hearing on <i>Fiscal Year</i> permits and fees
Friday	December	14 2012	Deadline for electronic version of Municipal Department budget packages placed in O:Drive - Libraries email individual budget narratives to Town Manager office (Bob O'Brien)
Thursday	December	20 2012	Annual Organization of Town Council (TM must submit budget to Council within 170 days M.G.L. 44 § 32) (June 8)
Friday	December	21 2012	Final day for CIP Task Force to complete & submit CIP Project scores
Thursday	January	17 2013	Town Council conducts a joint meeting/workshop with the School Committee to receive a preliminary financial forecast from Finance Director and to agree on a coordinated budget
Monday	February	4 2013	CFAC submits report of their review of Department CIP Project Requests to Town Manager
Thursday	March	21 2013	Town Manager submits recommended CIP and Capital Budget to Clerk of Town Council per Part VI, Section 6-5(a) of the Charter. (TC must adopt Plan BEFORE June 1, 2013)
Friday	March	22 2013	Town Council publishes summary of Capital budget and hearing info in local newspaper
Friday	March	22 2013	IT Division places copy of Capital Budget on WEB
Thursday	April	11 2013	Town Council conducts workshop & hearings on recommended FY 2014 Capital Budget per Part VI Section 6-5 (c) of the Charter. (<u>Public Hearing to be held not less than 14 days AFTER Publication</u>)
Wednesday	April	17 2013	Final Day for School Department to submit Operating Budget as adopted by the School Committee per Part VI, Section 6-2 of the Charter. (<u>30 days prior to TM submission to TC</u>)
Thursday	May	16 2013	Town Manager submits recommended Operating Budget (incl Schools) to Clerk of the Council & Town Council per Section 32 Ch 44 MGL, and Part VI, Section 6-2 of the Charter. (TC must adopt budget within 45 days, otherwise it becomes part of the appropriations for FY 2014)
Thursday	May	16 2013	CFAC provided with copies of the recommended Operating Budget to begin their review.
Friday	May	17 2013	Town Council publishes summary of Operating Budget and hearing info in local newspaper - per Part VI, Section 6-3 (a) of the Charter
Friday	May	17 2013	IT Division places copy of Operating Budget on WEB
Thursday	May	31 2013	Last day the FY 2014 Capital Improvement Plan can be adopted by the Town Council per Part VI, Section 6-5(d) of the Charter
Thursday	June	6 2013	Town Council conducts first reading and 1st workshop of recommended FY 2014 Operating Budget appropriations
Thursday	June	13 2013	Town Council conducts 2nd workshop (if needed) and Public Hearing on recommended FY 2014 Operating Budget. (<u>Public Hearing to be held not less than 14 days FOLLOWING publication</u>)
Thursday	June	13 2013	CFAC submits report of their review of Proposed FY 2014 Operating Budget to Town Council
Thursday	June	20 2013	Town Council conducts 2nd Public Hearing on recommended FY 2014 Operating Budget (If needed)
Friday	June	28 2013	Unencumbered balances Capital Appropriations authorized during & before FY 2011 EXPIRE
Friday	June	28 2013	Last weekday the FY 2014 Operating Budget can be adopted by the Town Council per Part VI, Section 6-3 (b) of the Charter. (TC must adopt within 45 days of receiving budget)

Rev 12/4/2012

Revisions

Deleted Sept 26 Public Hearing on Calendar/Year Permits and Fees - Not needed
 Changed Oct 15 Issue Opbud Instructions to Oct 24 - Need additional time
 Changed CIP Task Force Report Date to December 21



**Town of Barnstable
FY 2014 Capital Budget
FY 2014 – 2018 Capital Improvements Plan**