

Town of Barnstable, Massachusetts

FY 2016
CAPITAL BUDGET
AND
FY 2016 – FY 2020
CAPITAL IMPROVEMENTS PLAN

Thomas K. Lynch

Town Manager

March 19, 2015



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

Town of Barnstable

Massachusetts

For the Fiscal Year Beginning

July 1, 2014

Executive Director

*The Government Finance Officers Association of the United States and Canada (GFOA) has presented a Distinguished Budget Award to the Town of Barnstable for the fiscal year beginning July 1, 2014. 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 **fourteenth consecutive year** that the Town of Barnstable has been presented with this prestigious award.*

The criterion on which the award for fiscal year 2015 was based is that which has been used as a guide in preparing the budget for fiscal year 2016. Therefore, it is my belief that the Capital and Operating budgets presented for fiscal year 2016 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 thirteen 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
RE: FY 2016 Capital Budget and FY 2016 – FY 2020 Capital Improvements Plan
DATE: March 19, 2015

The governing regulations for the Town of Barnstable's Capital Improvements Program are encompassed in Section 6-5 of the Town Charter and state the following:

- a) Preparation. The Town Manager shall, in conjunction with any committee established for such purpose, annually submit a capital improvements 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 improvements 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 improvements plan and a notice stating: (1) the times and places where entire copies of the capital improvements 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 improvements plan with or without amendment, provided that each amendment must be voted separately and then any increase in the capital improvements plan, as submitted, must clearly identify the method of financing proposed to accomplish this increase.

In accordance with the Town Charter, I hereby submit the Town's FY 2016 Capital Budget and FY 2016 – FY 2020 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.

ELECTED OFFICIALS

BARNSTABLE TOWN COUNCIL

Jessica Rapp Grassetti, President, Precinct 7

Ann B. Canedy, Vice President Precinct 1

Eric Steinhilber, Precinct 2

Paul Hebert, Precinct 3

Frederick Chirigotis, Precinct 4

James H. Crocker, Jr., Precinct 5

William Crocker, Jr., Precinct 6

Debra S. Dagwan, Precinct 8

James M. Tinsley, Jr., Precinct 9

Sara Cushing, Precinct 10

Philip Wallace, Precinct 11

John T. Norman, Precinct 12

Jennifer L. Cullum, Precinct 13

BARNSTABLE SCHOOL COMMITTEE

Margeaux Weber, Chair

Stephanie Ellis, Vice Chair

Chris Joyce

Francis McDonald

R. Patrick Murphy

TOWN CLERK

Ann Quirk

TOWN COLLECTOR

Maureen Niemi

TOWN ADMINISTRATION

Thomas K. Lynch, Town Manager
Mark S. Ells, Assistant Town Manager

TOWN COUNCIL

Cynthia A. Lovell, Acting Town Council Administrator

ADMINISTRATIVE SERVICES DEPARTMENT

Ruth J. Weil, Esq., Town Attorney
Mark A. Milne, C.P.A., Finance Director
William E. Cole, Human Resources Director
Daniel J. Wood, Information Technology Director

COMMUNITY SERVICES DEPARTMENT

Lynne M. Poyant, Director

GROWTH MANAGEMENT DEPARTMENT

Jo Anne Miller Buntich, Director

POLICE DEPARTMENT

Paul B. MacDonald, Chief

PUBLIC WORKS DEPARTMENT

Daniel W. Santos, Director

REGULATORY SERVICES DEPARTMENT

Richard V. Scali, Director

SCHOOL DEPARTMENT

Mary Czajkowski, Ed. D., Superintendent

AIRPORT

Roland W. Breault, Manager

OTHER TOWN OFFICIALS

BUDGET DIRECTOR

Robert L. O'Brien

TOWN TREASURER

Debra M. Blanchette

VETERANS AGENT

Edward F. Merigan

AIRPORT COMMISSION

Ronald D. Persuitte, Chairman
John T. Griffin, Jr. , Vice Chairman
Robert L. O'Brien, Clerk
Stephen P. Cobb
Michael A. Dunning
Timothy R. Luzietti
Mary F. Smith

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Front Cover Photo: Solar Array #2 Barnstable Municipal Airport
Back Cover Photo: March 2015 Ice damage Barnstable Harbor Marina

PART I – CAPITAL IMPROVEMENTS PLAN SUBMISSIONS

Cost and Fiscal Year Summary

The capital projects identified by the Town departments in this year’s CIP process represents a total of \$52,291,736 for FY16, and a combined total of \$115,634,507 over a five-year period. Of the \$115 million, approximately \$43 million represents enterprise funds and \$73 million are general fund requests.

	Enterprise Funds	General Fund	Total
FY 2016	\$ 13,967,937	\$ 38,323,799	\$ 52,291,736
FY 2017	\$ 13,751,095	\$ 13,181,692	\$ 26,932,787
FY 2018	\$ 2,659,745	\$ 7,964,838	\$ 10,624,583
FY 2019	\$ 8,100,000	\$ 7,597,462	\$ 15,697,462
FY 2020	\$ 4,509,067	\$ 5,578,872	\$ 10,087,939
Totals	\$ 42,987,844	\$ 72,646,663	\$ 115,634,507

Enterprise Fund projects are distributed by fund as follows:

Fund	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Totals
Airport	\$ 6,087,000	\$ 5,960,000	\$ 1,162,000	\$ 4,600,000	\$ 3,100,000	\$ 20,909,000
Golf	\$ 313,886	\$ 3,869,095	\$ 215,000	\$ 250,000	\$ 125,000	\$ 4,772,981
Solid Waste	\$ 480,000	-	-	-	-	\$ 480,000
Water Pollution	\$ 1,284,500	\$ 672,000	-	-	-	\$ 1,956,500
Water Supply	\$ 3,458,100	\$ 3,250,000	\$ 1,282,745	\$ 3,250,000	\$ 1,284,067	\$ 12,524,912
Marinas	\$ 1,007,410	-	-	-	-	\$ 1,007,410
Sandy Neck	\$ 352,000	-	-	-	-	\$ 352,000
HYCC	\$ 985,041	-	-	-	-	\$ 985,041
Totals	\$ 13,967,937	\$ 13,751,095	\$ 2,659,745	\$ 8,100,000	\$ 4,509,067	\$ 42,987,844

General Fund projects are distributed as follows:

Department	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Totals
Admin. Services	\$ 50,000	\$ 700,000	\$ 34,663	\$ 34,663	\$ 34,663	\$ 853,989
Comm. Services	\$ 12,126,846	\$ 2,660,164	\$ 407,400	\$ 1,594,300	\$ 407,400	\$ 17,196,110
Public Works	\$ 13,365,953	\$ 4,413,528	\$ 4,422,775	\$ 3,968,499	\$ 3,586,809	\$ 29,757,564
Reg. Services	\$ 450,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,050,000
Schools	\$ 12,331,000	\$ 5,258,000	\$ 2,950,000	\$ 1,850,000	\$ 1,400,000	\$ 23,789,000
Totals	\$ 38,323,799	\$ 13,181,692	\$ 7,964,838	\$ 7,597,462	\$ 5,578,872	\$ 72,646,663

Detail Project Listing

The description and justification for each project listed on the following tables are included in Part V and Part VIII of this document. Part V contains projects recommended for funding in the FY 2016 program while Part VIII includes those projects that will be addressed in the subsequent years. In addition to the projects listed on these tables there are several others that have been identified for which the scope and cost estimates are a work in progress including the following:

Shooting Range

A preliminary study has been conducted which identifies a range of costs for soil remediation depending upon the future use of this area. It is anticipated that this matter will be addressed by the Town Council in the near future and a supplemental capital appropriation will be brought forward.

Cotuit Bay Dredging

Three Bays Preservation, Inc. has recently informed the Town of its intent to provide funding towards the cost of dredging Cotuit Bay. This project will be evaluated by the Department of Public Works and brought forward in a future Capital Improvements Program.

Marstons Mills Elementary School

The former school building was declared surplus by the School Committee and a Request for Proposals was issued by the Town to solicit offers for the use of the facility. Some capital improvements may be necessary to the facility in order to make it a viable asset to attract a tenant.

Armory

Similar to the Marstons Mills Elementary School, this facility may require some capital investment by the Town in order to make it usable. The best use of the facility has yet to be determined.

Osterville Bay School Property

Conceptual design plans are being prepared for proposed athletic fields, a playground, park area, and a new community building. It is anticipated that a request for project funding may come forward in the fall of 2015.

Water Quality

The Cape Cod Commission was directed by the Commonwealth of Massachusetts to prepare an update to the 1978 Section 208 Area-Wide Water Quality Management Plan for Cape Cod. Ultimately, implementing this plan will have significant financial impacts to communities across Cape Cod. Detailed plans and cost estimates have not yet been developed but this will ultimately be the single largest capital program the Town has ever seen.

Project Submissions for Enterprise Funds

DEPARTMENT			FIVE YEAR COSTS					TOTALS
PRIORITY	Name	DESCRIPTION	2016	2017	2018	2019	2020	2016-2020
1	BMA	Reconstruct Taxiway C & Part of TWY Delta	3,800,000					3,800,000
2	BMA	Replace Kodiak Snow Blower & Dump Truck (w/ plow & sander)	1,075,000					1,075,000
3	BMA	Design & Replace Airfield Vault Emergency Generator	90,000					90,000
4	BMA	Hangar 2 Drainage Improvements	125,000					125,000
5	BMA	Phase 2 Improve Airport Access Rd & Security Fence East Side	660,000					660,000
6	BMA	Replace Airfield Equipment - Tractor w/ Mower Deck & Power Unit	162,000		50,000			212,000
7	BMA	Acquire & Implement New Airport Business Financial System	175,000					175,000
8	BMA	Design & Reconstruct RWY 15-33 & TWY E & Portion TWY B	-	4,600,000				4,600,000
9	BMA	Equipment Replacement	-	85,000			100,000	185,000
10	BMA	Design & Construct New Fiber Optic Airfield Lighting Control System	-	75,000				75,000
11	BMA	Design & Construct Snow Removal Equip Storage Building	-	400,000				400,000
12	BMA	Replace Mo-Gas & Diesel Fuel Con-vault, Gas Boy + Alarm	-	150,000				150,000
13	BMA	Design & Construct New T Hangar	-	650,000				650,000
14	BMA	Airport Layout Plan / FAA Master Plan Update & Noise Exposure Map	-		445,000			445,000
15	BMA	Clear Vegetation Along Fence line Buffer Zone & Airspace Obstruction Area	-		667,000			667,000
16	BMA	Design & Reconstruct RWY 6-24	-			4,600,000		4,600,000
17	BMA	Design & Reconstruct TWY Bravo	-				3,000,000	3,000,000
TOTAL AIRPORT			6,087,000	5,960,000	1,162,000	4,600,000	3,100,000	20,909,000
1	CSD	Design & Construct Mechanical Upgrades - HYCC	249,814					249,814
2	CSD	Cogenerator - HYCC	735,227					735,227
TOTAL COMMUNITY SERVICES - HYCC			985,041	-	-	-	-	985,041
1	CSD	Gateway Marina Dredging	280,000					280,000
2	CSD	Prince Cove Marina Bulkhead - Construct	569,910					569,910
3	CSD	Hyannis Harbor Bulkhead - Study & Design	157,500					157,500
TOTAL COMMUNITY SERVICES - MARINAS			1,007,410	-	-	-	-	1,007,410

Project Submissions for Enterprise Funds - Continued

DEPARTMENT			FIVE YEAR COSTS					TOTALS
PRIORITY	Name	DESCRIPTION	2016	2017	2018	2019	2020	2016-2020
1	CSD	Sandy Neck Beach Park Stabilization	352,000					352,000
TOTAL COMMUNITY SERVICES - SANDY NECK			352,000	-	-	-	-	352,000
1	CSD	Olde Barnstable Fairgrounds Golf Facility Improvements	173,603	79,500	110,000			363,103
2	CSD	Hyannis Golf Course Renovation		3,647,095				3,647,095
3	CSD	Hyannis Golf Facilities Improvements	140,283	142,500	105,000	250,000	125,000	762,783
TOTAL COMMUNITY SERVICES - GOLF			313,886	3,869,095	215,000	250,000	125,000	4,772,981
1	DPW	120 lb Truck Scale	50,000					50,000
2	DPW	Rubber Tire Wheel Loader	280,000					280,000
3	DPW	Roll-Off Trailer (replace existing trailer)	50,000					50,000
4	DPW	Four (4) 5.5 cu yd Compactor Units (for recycle area)	100,000					100,000
TOTAL PUBLIC WORKS - SOLID WASTE			480,000	-	-	-	-	480,000
1	DPW	Pipe Replacement & Upgrade Program	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
2	DPW	Wells Pump Station & Treatment Plant Repair and Upgrade	200,000	200,000	200,000	200,000	200,000	1,000,000
3	DPW	New Well Exploration Program	555,500	2,000,000	32,745	2,000,000	34,067	4,622,312
4	DPW	Paint / Repair Large Tank Mary Dunn 2	615,600					615,600
5	DPW	Water Main Upgrade Barnstable Rd	1,037,000					1,037,000
TOTAL PUBLIC WORKS - WATER SUPPLY			3,458,100	3,250,000	1,282,745	3,250,000	1,284,067	12,524,912
1	DPW	Reline Sewers & Laterals on South Street HY - Design 2016	84,500	672,000				756,500
2	DPW	Design Plan to Meet new Capacity, Management, Operations & Maintenance	200,000					200,000
3	DPW	Rehab Clarifiers	1,000,000					1,000,000
TOTAL PUBLIC WORKS - WASTE WATER			1,284,500	672,000	-	-	-	1,956,500
TOTAL ENTERPRISE FUNDS			13,967,937	13,751,095	2,659,745	8,100,000	4,509,067	42,987,844

Project Submissions for the General Fund

DEPARTMENT			FIVE YEAR COSTS					TOTALS
PRIORITY	Name	DESCRIPTION	2016	2017	2018	2019	2020	2016-2020
1	ASD	Replace Telephone System with VOIP		700,000	34,663	34,663	34,663	803,989
2	ASD	Former Marstons Mills Elementary School - Permit, Design & Demolish 3 Portables	50,000					50,000
TOTAL ADMINISTRATIVE SERVICES DEPARTMENT			50,000	700,000	34,663	34,663	34,663	853,989

1	CSD	Dredge Barnstable Outer Harbor - Design, Permitting & Dredging	1,200,000					1,200,000
2	CSD	Craigville Beach House Renovations - Design, Permit, Construct	3,528,785				-	3,528,785
2	CSD	Osterville Beach House Design & Renovations		129,000				129,000
2	CSD	Loop Beach Hosue Renovations			407,400			407,400
2	CSD	Covell's Beach House Design & Construction				1,594,300		1,594,300
2	CSD	Dowses Beach House Renovations					407,400	407,400
3	CSD	Kalmus Beach Parking Lot - Repave	254,424					254,424
4	CSD	West Bay Entrance Channel - Survey, Design & Dredge	180,000	235,000				415,000
5	CSD	Centerville Community Bldg - Playground & Play Field Design & Const	174,041	696,164				870,205
6	CSD	Blish Pt - Design, Permit & Construct Long Term Solution	180,000	1,600,000				1,780,000
7	CSD	Lombard Field Improve - Parking, Bleachers, Ball Field & Press Box	988,000					988,000
8	CSD	Design & Install New Generator - MEA Bldg & Senior Center	314,928					314,928
9	CSD	Centerville Community Bldg - Door & Windows, Insulation, Window Blinds	223,608					223,608
10	CSD	West Bay Stone Breakwaters Repair - Design, Permit & Construct	4,608,450					4,608,450
11	CSD	Mill Pond & Long Pond Fish Ways (Cost TBD)	COST TBD					-
12	CSD	Joshua's Pond Site Work - Revised Access & Layout Parking Area	317,110					317,110
13	CSD	Hyannis Harbor Breakwater - Study & Preliminary Design	157,500					157,500
TOTAL COMMUNITY SERVICES DEPARTMENT			12,126,846	2,660,164	407,400	1,594,300	407,400	17,196,110

Project Submissions for the General Fund - Continued

DEPARTMENT		DESCRIPTION	FIVE YEAR COSTS					TOTALS
PRIORITY	Name		2016	2017	2018	2019	2020	2016-2020
1	DPW	Public Roads Maintenance	3,250,000	3,250,000	3,250,000	3,250,000	3,250,000	16,250,000
2	DPW	Bumps River Bridge - Rehab & Repair	590,000					590,000
3	DPW	Highway Admin Offices Continued Upgrade (Lockers, showers, etc) <i>No cost shown</i>	1,604,598					1,604,598
4	DPW	School Zone Traffic Lights - Replacement w/ Solar Power	92,708					92,708
5	DPW	Guardrail Replacement (6,000 linear ft) & Sidewalk Overlay Bay Ln Centerville	400,000	308,228	317,475	326,999	336,809	1,689,511
6	DPW	Town Hall Replace Heating System - w/ Modular Boilers	938,662					938,662
7	DPW	Rte 132 - Study & Prelim Design	300,000					300,000
8	DPW	Mosswood Building Improvements- Handicap Access & Toilet	184,685					184,685
9	DPW	New Sidewalks - Bumps River Rd, South St, Hy (Ocean to Pleasant)	766,500					766,500
10	DPW	Town Hall Interior Improvements - Phase 1- Basement & First Floor	624,616	855,300	855,300	391,500		2,726,716
11	DPW	Bay Street Boat Ramp Reconstruction & Parking Area Concrete	289,362					289,362
12	DPW	Police Station Improvements - Garage Doors, Replace Chiller, Carpet	355,276					355,276
13	DPW	Hyannis Main St Sidewalk Improvements (repair trip hazards, tree pit repairs, etc)	203,500					203,500
14	DPW	JFK Memorial Restoration - Reconstruct Patio, Benches, Fountain	885,633					885,633
15	DPW	Trayser Museum Interior Repairs (toilets, interior finishes, HVAC)	595,490					595,490
16	DPW	Main St, Barnstable Village - Design & Permitting (Streetscape & Safety Improvements)	157,500					157,500
17	DPW	Downtown Hyannis Roadway East End Evaluation - Design & Permit	236,250					236,250
18	DPW	Add Private Roads to Asset Management System - Survey & Design	55,860					55,860
19	DPW	Trayser Custom House Site Improvements (historic cast iron fence & parking areas)	193,040					193,040
20	DPW	Bath House Septic Upgrades (Loop's, Dowses & Wequaquet)	186,052					186,052
21	DPW	Trayser Museum - Landscape Improvements - Iron Fence & Parking Area, etc	206,404					206,404
22	DPW	Burgess Barn Improvements - Interior Renovate, Bldg Stabilization	232,602					232,602
23	DPW	Trayser Old Jail Repairs - Structural, Exterior & Site Improvement	248,331					248,331
24	DPW	Private Roads Program - Four (Mary Dunn, Wakeby, Old Strawberry & High St (WB)	732,884					732,884
25	DPW	Structures & Grounds Pole Barn Garage Addition	36,000					36,000
TOTAL PUBLIC WORKS DEPARTMENT			13,365,953	4,413,528	4,422,775	3,968,499	3,586,809	29,757,564

Project Submissions for the General Fund - Continued

DEPARTMENT			FIVE YEAR COSTS					TOTALS
PRIORITY	Name	DESCRIPTION	2016	2017	2018	2019	2020	2016-2020
1	RSD	Hamblin Pond Alum Treatment	300,000					300,000
2	RSD	Hydrilla Control Mystic Lake & Middle & Long Ponds	100,000	100,000	100,000	100,000	100,000	500,000
3	RSD	Fanwort Control Wequaquet Lake (including Bearses Pond & Gooseberry Cove)	50,000	50,000	50,000	50,000	50,000	250,000
TOTAL REGULATORY SERVICES DEPARTMENT			450,000	150,000	150,000	150,000	150,000	1,050,000

1	SCH	Elementary School Modular Classroom Construction	3,720,000					3,720,000
2	SCH	Barnstable Intermediate School Façade & Roof Improvements	3,353,000					3,353,000
3	SCH	BCHMCPS Facade Improvements & Roof Replacement	260,000	3,308,000				3,568,000
4	SCH	Infrastructure Improvements - Access to Internet & Digital Resources	213,000					213,000
5	SCH	High School Library AC Upgrades & Replacement	2,610,000					2,610,000
6	SCH	High School & Middle School Boiler Upgrades	350,000		500,000	500,000	500,000	1,850,000
7	SCH	High School Stadium Bleachers	1,000,000					1,000,000
8	SCH	West Villages Elementary Air Conditioning Replacement	250,000					250,000
9	SCH	BWB, HYW & Centerville - Replace Ventilator Units	200,000	200,000	200,000	200,000		800,000
10	SCH	Electric Utility Transformer Upgrade	250,000					250,000
11	SCH	Barnstable Schools Facilities Bldg Roof Replacement	75,000					75,000
12	SCH	HYW & High School Walk-in Cooler Improvements		150,000				150,000
13	SCH	School Wide Kitchens		50,000	50,000	50,000		150,000
14	SCH	High School Field House Improvements			250,000	250,000		500,000
15	SCH	Barnstable United Elementary Courtyard Improvements		200,000				200,000
16	SCH	Hyannis West Elementary Exterior / Interior Door Replacement		300,000				300,000
17	SCH	Centerville Elementary School Window Replacement			1,000,000			1,000,000
18	SCH	School Wide Asbestos Abatement		200,000				200,000
19	SCH	School Wide Pave & Repair Drives & Parking Lots			100,000	100,000	100,000	300,000
20	SCH	Performing Arts Center Upgrades & Improvements (Seating, etc)		100,000	100,000			200,000
21	SCH	High School Roof Top Nesbitt Units		750,000	750,000	750,000		2,250,000
22	SCH	High School Stadium Synthetic Turf Replacement					800,000	800,000
23	SCH	Barnstable Intermediate School 150watt Cogeneration Plant	50,000					50,000
TOTAL SCHOOL DEPARTMENT			12,331,000	5,258,000	2,950,000	1,850,000	1,400,000	23,789,000
TOTAL GENERAL FUND			38,323,799	13,181,692	7,964,838	7,597,462	5,578,872	72,646,663

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PART II – STATUS OF EXISTING GENERAL FUND CAPITAL APPROPRIATIONS

Part of the annual Capital Improvements Program process is to review the status of all projects which were appropriated in previous fiscal years. If a project has been completed and funds remain in the appropriation, the remaining funds will be used as a funding source for the current year's capital program. A total of \$495,000 has been identified in prior appropriations which will be redirected to the FY16 capital program. Following is a list of all active projects that were evaluated.

Fiscal Year 2012 and Prior Capital Appropriations

Council Order	Munis Project	Dept	Project Description	Appropriation	Expended	Encumbered	Available Balance on 03/03/15	Project Status	Appropriation Status
2002-081	02081	DPW	FY03 NITROGEN MANAGEMENT PROGRAM	1,700,000	1,398,048	287,576	14,376	In process	Expires when encumbrance is paid or liquidated
2007-095	7095B	DPW	FY08 JOSHUA'S POND BEACH HOUSE	62,820	61,590	-	1,230	95% Complete	Unencumbered balance expires June 30, 2015
2007-097	7097B	DPW	FY08 MILL POND -- MARSTONS MILLS	50,000	18,595	1,582	29,823	Project is wrapped up n the 208 plan and State review.	Expires when encumbrance is paid or liquidated
2008-016	08016	DPW	FY09 COASTAL ACTION PLAN	1,140,000	1,114,156	3,854	21,990	Reappropriate available balance for FY16 CIP	Expires when encumbrance is paid or liquidated
2008-017	0816B	DPW	FY09 MILLWAY BOAT RAMP	137,000	113,863	23,137	-	Waiting for weather to repair articulated mat	Expires when encumbrance is paid or liquidated
2010-068	1068A	DPW	FY11 SIDEWALKS	350,000	345,761	4,239	-	Project is complete	Expires when encumbrance is paid or liquidated
2010-069	1069A	DPW	FY11 DREDGE-EAST BAY BOAT RAMP CHANNEL	455,000	454,965	35	(0)	Project is complete	Expires when encumbrance is paid or liquidated
2010-069	1069B	DPW	FY11 DREDGE-BLISH POINT BOAT RAMP	120,000	97,402	22,598	-	In process	Expires when encumbrance is paid or liquidated
2010-069	1069C	DPW	FY11 DREDGING PERMIT-EAST BAY CHANNEL	90,000	66,470	435	23,095	Reappropriate available balance for FY16 CIP	Expires when encumbrance is paid or liquidated
2010-071	1071A	DPW	FY11 PRINCE'S COVE BOAT RAMP	330,000	286,631	245	43,125	At Bidding Phase - 20% complete	Expires when encumbrance is paid or liquidated
2010-071	1071B	DPW	FY11 HAYWARD RD BOAT RAMP	320,000	319,900	-	100	Project is complete	Unencumbered balance expires June 30, 2015
2010-104	10104	DPW	FY11 PAVEMENT MGMT/DRAINAGE	3,250,000	3,246,155	3,845	(0)	Encumbered Funds to be used Spring 2015	Expires when encumbrance is paid or liquidated
2010-110	10110	DPW	FY11 ROOF REPAIRS 200 MAIN & SAB	300,000	295,913	2,030	2,057	99% Complete	Expires when encumbrance is paid or liquidated
2010-111	10111	DPW	FY11 WEST BAY BRIDGE REPAIRS	650,000	409,061	159,625	81,314	Funds being used for Phase II Design (Struct)	Expires when encumbrance is paid or liquidated
2010-112	10112	DPW	FY11 OSTERVILLE BOAT RAMP	234,100	120,417	21,407	92,277	Reappropriate available balance for FY16 CIP	Expires when encumbrance is paid or liquidated
2010-113	10113	DPW	FY11 COMPREHENSIVE WASTE WATER PLAN	600,000	29,197	57,034	513,769	Project is underway, needs to remain open	Expires when encumbrance is paid or liquidated
2011-065	11065	DPW	FY12 PAVEMENT MGMT/DRAINAGE	3,250,000	3,183,255	66,452	293	Encumbered Funds to be used 2015	Expires when encumbrance is paid or liquidated
SUBTOTAL FY12 AND PRIOR				13,038,920	11,561,379	654,093	823,448		

The available balances in council orders 2008-016, 2010-069 and 2010-112 will be used to fund a portion of the FY 2016 Capital Improvements Program. These projects have been completed. Any encumbered funds remaining on these projects represent final payments to be made. All other projects are still in progress with most of them near the completion stage.

Fiscal Year 2013 Capital Appropriations

Council	Munis						Available		
Order	Project	Dept	Project Description	Appropriation	Expended	Encumbered	Balance on 03/03/15	Project Status	Appropriation Status
2012-097	2097C	DPW	FY13 HATHAWAY POND BEACH HOUSE SEPTIC	85,000	83,888	-	1,112	Construction Work in Progress 90% Complete	Unencumbered balance expires June 30, 2015
2012-097	2097D	DPW	FY13 TOWN HALL INTERIOR IMPV MTS	153,000	33,458	37,171	82,371	Construction Work in Progress 10% Complete	Expires when encumbrance is paid or liquidated
2012-097	2097G	DPW	FY13 WEST BARNSTABLE COMMUNITY CTR	50,000	49,959	-	41	This Project 100% Complete	Unencumbered balance expires June 30, 2015
2012-097	2097H	DPW	FY13 SIDEWALKS PROGRAM	70,000	56,901	8,180	4,919	Unencumbered Funds to be used 2015	Expires when encumbrance is paid or liquidated
2012-097	2097I	DPW	FY13 CENTERVILLE COMMUNITY CENTER	80,000	71,016	764	8,220	Window Replacement to be Completed Spring 2015. 80% Complete	Expires when encumbrance is paid or liquidated
2012-097	2097K	DPW	FY13 SCHOOL ST BULKHEAD DESIGN	50,000	44,243	-	5,758	Reappropriate available balance for FY16 CIP	Expires on June 30, 2015
2012-097	2097L	DPW	FY13 SNOWS CREEK CULVERT DESIGN	75,000	36,225	18,755	20,020	Project at 75% Design - In Permitting Process	Expires when encumbrance is paid or liquidated
2012-097	2097M	DPW	FY13 BUMPS RIVER BRIDGE	29,000	7,314	21,686	-	Project Proceeding with Ch. 90 Funds @ 75%	Expires when encumbrance is paid or liquidated
2012-097	2097N	DPW	FY13 BAY STREET RAMP	65,000	61,026	528	3,446	Reappropriate available balance for FY16 CIP	Expires when encumbrance is paid or liquidated
2012-097	2097Q	DPW	FY13 WEST BAY BREAKWATERS DESIGN	75,000	40,458	34,425	117	Project at 75% Design -Pending Decision on Final Fix	Expires when encumbrance is paid or liquidated
2012-097	2097R	DPW	FY13 OLD TOWN HALL DESIGN	51,000	49,434	-	1,566	Reappropriate available balance for FY16 CIP	Expires on June 30, 2015
2012-097	2097T	DPW	FY13 S & G BUILDING - SEWER	75,000	1,635	881	72,484	To be Advertised Feb. 2015 -Construction	Expires when encumbrance is paid or liquidated
2012-097	2097U	DPW	FY13 OCEAN STREET PARKING LOT	115,000	63,898	15,300	35,802	Reappropriate available balance for FY16 CIP	Expires when encumbrance is paid or liquidated
2012-097	2097V	SCH	FY13 BATHROOM STALL REPLACEMENTS	132,000	114,460	-	17,540	Reappropriate available balance for FY16 CIP	Expires on June 30, 2015
			SUBTOTAL FY13	1,105,000	713,914	137,690	253,396		

The available balances in Munis projects 2097K, 2097N, 2097R, 2097U and 2097V will be used to fund a portion of the FY 2016 Capital Improvements Program. These projects have been completed.

Fiscal Year 2014 Capital Appropriations

Council Order	Munis Project	Dept	Project Description	Appropriation	Expended	Encumbered	Available Balance on 03/03/15	Project Status	Appropriation Status
2013-039	13039	DPW	FY14 HARBOR DREDGE PROJECT(BARNSTABLE)	1,329,224	1,325,557	-	3,667	100% Complete	Expires on June 30, 2016
2013-066	13066	DPW	FY14 PRIVATE RDS REPAIR	633,000	329,740	-	303,260	Initial funded TRPR Project Completed (Residual Funds to be allocated to additional projects including FY16 CIP	Expires on June 30, 2016
2013-104	13104	SCH	FY15 REMOVE UNDERGROUND FUEL TANKS	100,000	77,004	-	22,996	Reappropriate available balance for FY16 CIP	Expires on June 30, 2017
2013-105	13105	SCH	FY15 MODULAR CLASSROOMS-REMOVAL/ASSMT	125,000	41,939	3,140	79,921	Work in Progress	Expires on June 30, 2017
2013-106	3106C	SCH	FY14 GRADE 4/5 BLDG ROOF & TRIM	1,162,490	1,066,547	13,899	82,045	Still open for engineering/pm charges	Expires on June 30, 2016
2013-106	3106E	SCH	FY14 BLEACHER UPDGRADES	55,000	37,014	-	17,986	BIS Bleacher upgrades planned Summer '15	Expires on June 30, 2016
2013-106	3106F	SCH	FY14 DESIGN-ROOF/FACADE INTERMEDIATE SCH	100,000	80,457	19,543	-	At Design Phase -Bid Documents Being Prepared	Expires on June 30, 2016
2013-107	3107A	SCH	FY14 SCHOOL KITCHEN EQUIPMENT	110,000	101,280	2,995	5,725	Additional purchases planned	Expires on June 30, 2016
2013-108	13108	DPW	FY14 PAVEMENT MGMT/DRAINAGE	3,250,000	2,972,187	262,009	15,804	Funds to be Expended Spring 2015	Expires on June 30, 2016
2013-109	13109	DPW	FY14 DRAINAGE STUDY	50,000	-	-	50,000	Under internal evaluation	Expires on June 30, 2016
2013-110	13110	DPW	FY14 SENIOR CENTER PARKING LOT	35,000	7,000	-	28,000	RFP for design to be issued Spring 2015	Expires on June 30, 2016
2013-112	13112	RSD	FY14 FANWORT REMOVAL	35,000	28,250	-	6,750	Will use for FY16 program	Expires on June 30, 2016
2013-113	13113	ASD	FY14 ASSESSING RECORDS ARCHIVES	90,000	77,478	-	12,522	Reappropriate available balance for FY16 CIP	Expires on June 30, 2016
2013-114	13114	DPW	FY14 WATER QUALITY EVALUATION	300,000	157,108	131,892	11,000	Project is ongoing, please keep open	Expires on June 30, 2016
2013-115	3115A	DPW	FY14 BUMPS RIVER BRIDGE REPAIRS	120,000	-	-	120,000	These funds to be allocated for construction, design at 75%	Expires on June 30, 2016
2013-115	3115B	DPW	FY14 SIDEWALK OVERLAYS/GUARD RAILS	250,000	177,236	8,473	64,292	These funds to be expended Spring 2015	Expires on June 30, 2016
2013-116	3116A	DPW	FY14 MEA FACILITY UPGRADES	131,000	13,806	11,613	105,581	Construction to Begin Spring 2015 20% Complete	Expires on June 30, 2016
2013-116	3116B	DPW	FY14 POLICE DEPT FACILITY IMPROVEMENTS	168,000	146,141	21,859	-	Under Construction. 80% Complete	Expires on June 30, 2016
2013-116	3116C	DPW	FY14 TOWN HALL INTERIOR IMPROVEMENTS	150,000	9,000	-	141,000	Under Construction. 10% Complete	Expires on June 30, 2016
2013-116	3116D	DPW	FY14 HIGHWAY FACILITY IMPROVEMENT DESIGN	66,000	42,436	-	23,564	Under Design. 10% Complete	Expires on June 30, 2016
2013-116	3116E	DPW	FY14 S & G FACILITIES UPGRADES	103,000	66,132	475	36,393	Under Construction. 80% Complete	Expires on June 30, 2016
2013-116	3116F	DPW	FY14 OSTERVILLE COMMUNITY BLDG IMPRVMTS	200,000	64,126	-	135,874	Under Design	Expires on June 30, 2016
2013-116	3116G	DPW	FY14 WB COMMUNITY BLDG IMPRVMT	72,000	58,869	2,045	11,086	Under Construction. 80% Complete	Expires on June 30, 2016
2013-116	3116H	DPW	FY14 US CUSTOMS HOUSE UPGRADES	263,000	61,064	199,747	2,189	Construction to Begin Spring 2015.	Expires on June 30, 2016
2013-116	3116I	DPW	FY14 GUYER BARN UPGRADES	148,000	81,217	65,603	1,180	Under Construction. 50% Complete	Expires on June 30, 2016
2013-116	3116J	DPW	FY14 46 & 50 PEARL ST IMPRVMTS	114,000	91,577	685	21,739	Under Construction. 70% Complete	Expires on June 30, 2016
2013-116	3116K	DPW	FY14 BEACH FACILITY STUDY & PRE-DESIGN	115,000	15,142	9,400	90,458	Under Preliminary Design. 2% Complete	Expires on June 30, 2016
2013-116	3116L	DPW	FY14 LOMBARD PARKING & FIELD IMPRVMTS	101,000	21,875	21,622	57,503	Under Design. 20% Complete	Expires on June 30, 2016
2013-116	3116M	DPW	FY14 TENNIS COURTS RECONSTRUCTION	500,000	29,543	10,472	459,985	Under Design. 20% Complete	Expires on June 30, 2016
2013-117	3117A	DPW	FY14 SCHOOL ST BULKHEAD REPLACEMENT	142,000	88,633	-	53,367	This Project 100% Complete	Expires on June 30, 2016
2013-117	3117B	DPW	FY14 MILLWAY BOAT RAMP & DOCK UPDATES	133,000	125,136	-	7,864	Under Construction -to be Completed Spring 2015 80% Complete	Expires on June 30, 2016
2013-117	3117C	DPW	FY14 DREDGING OF EAST BAY	600,000	574,264	540	25,196	Complete	Expires on June 30, 2016
			SUBTOTAL FY14	10,750,714	7,967,758	786,011	1,996,945		

The available balances in council orders 2013-066, 2013-104, 2013-112, and 2013-113 will be used to fund a portion of the FY 2016 Capital Improvements Program. All other projects are a work in progress with the appropriations having an expiration date of June 30, 2016.

Fiscal Year 2015 Capital Appropriations

Council Order	Munis Project	Dept	Project Description	Appropriation	Expended	Encumbered	Available Balance on 03/03/15	Project Status	Appropriation Status
2014-068	14068	DPW	FY15 COMPREHENSIVE BUILDING ASSESSMENT	50,000	30,505	9,630	9,865	Work in Progress	Expires on June 30, 2017
2014-092	14092	SCH	FY15 EARLY LEARNING CENTER	2,567,477	260,522	2,289,942	17,013	Work in Progress	Expires on June 30, 2017
2014-093	14093	SCH	FY15 INTERMEDIATE SCHL IMPRVMENTS	200,000	10,783	184,277	4,940	Work in Progress	Expires on June 30, 2017
2014-094	14094	SCH	FY15 BHS FIRE, INSTRUSION & COMM IMPVT	200,000	33,200	54,659	112,141	Work in Progress	Expires on June 30, 2017
2014-095	14095	SCH	FY15 BHS INTERNET & DIGITAL IMPVMT	204,000	158,851	44,125	1,024	Work in Progress	Expires on June 30, 2017
2014-096	14096	SCH	FY15 BU A/C AND CHILLER PIPES UPGRADE	200,000	45,227	16,051	138,722	Work in Progress	Expires on June 30, 2017
2014-097	14097	SCH	FY15 BPS LOCK UPGRADES	100,000	59,080	-	40,920	Work in Progress	Expires on June 30, 2017
2014-098	14098	SCH	FY15 BPS KITCHEN EQUIPMENT UPGRADES	50,000	5,076	-	44,924	Work in Progress	Expires on June 30, 2017
2014-099	14099	SCH	FY15 BU HEAT CIRCULATING PIPES	75,000	71,120	-	3,880	Reappropriate available balance for FY16 CIP	Expires on June 30, 2017
2014-100	14100	ASD	FY15 AERIAL FLYOVER-MAPPING	140,000	-	-	140,000	Project will commence upon completion of County project	Expires on June 30, 2017
2014-101	14101	DPW	FY15 BICYCLE ACCOMODATIONS PRGM	170,000	-	-	170,000	RFP Design to be issued Spring 2015	Expires on June 30, 2017
2014-102	14102	DPW	FY15 POLICE FACILITY IMPVMNT	288,000	36,240	-	251,760	Under Design. 5% Complete	Expires on June 30, 2017
2014-103	14103	RSD	FY15 HYDRILLA LONG POND MYSTIC LAKE	75,000	40,500	21,450	13,050	Reappropriate available balance for FY16 CIP	Expires on June 30, 2017
2014-104	14104	RSD	FY15 FANWORT LAKE WEQUAQUET	100,000	42,325	14,175	43,500	Will use for FY16 program	Expires on June 30, 2017
2014-105	14105	RSD	FY15 ALUM TREATMENT-LOVELLS POND	140,000	129,088	10,645	267	Summer 2015 monitoring remains.	Expires on June 30, 2017
2014-106	14106	DPW	FY15 PARKING LOT EXPANSION-SR CTR	290,000	-	-	290,000	Funds to be Expended Following Design	Expires on June 30, 2017
2014-108	14108	DPW	FY15 MARSTONS MILLS FISH RUN	393,500	212	19,500	373,788	Project @ 25% Design Phase	Expires on June 30, 2017
2014-109	14109	DPW	FY15 MILL POND & LONG POND FISHWAYS	42,000	-	36,596	5,404	Project @ 10% Design Phase	Expires on June 30, 2017
2014-111	14111	DPW	FY15 VETERANS' PARK PLAN	50,000	-	-	50,000	In Project Planning and Development	Expires on June 30, 2017
2014-112	14112	DPW	FY15 VETERANS' BEACH PARKING LOT	85,000	-	-	85,000	Paving to be completed Spring 2015	Expires on June 30, 2017
2014-113	14113	DPW	FY15 WATER/SEWER AT MCKEON PARK	55,000	-	-	55,000	Under Design	Expires on June 30, 2017
2014-114	14114	DPW	FY15 PUBLIC ROAD MAINTENANCE	3,250,000	80,923	1,752,698	1,416,379	Funds to be expended 2015	Expires on June 30, 2017
2014-115	14115	DPW	FY15 GUARDRAILS/SIDEWALKS PGRM	285,000	52,451	-	232,550	Funds to be expended 2015	Expires on June 30, 2017
2014-116	14116	DPW	FY15 DREDGING PERMIT/PLANNING	350,310	30,000	-	320,310	In Planning Stage	Expires on June 30, 2017
2014-117	14117	DPW	FY15 BLISH POINT SAND MGMT	215,000	48,929	14,382	151,689	Under Design - to be Bid March 2015	Expires on June 30, 2017
2014-118	14118	DPW	FY15 CENTERVILLE RECREATION BLDG	185,000	12,000	-	173,000	Under Design 5% Complete	Expires on June 30, 2017
2014-119	14119	DPW	FY15 TOWN FACILITIES SECURITY STUDY	100,000	8,000	-	92,000	In Project Planning and Development	Expires on June 30, 2017
2014-120	14120	DPW	FY15 PAINE BLACK HOUSE	240,000	62,714	71,454	105,832	Roof Contract Awarded - Spring 2015 Start	Expires on June 30, 2017
2014-121	14121	DPW	FY15 BURGESS HOUSE IMPROVMENTS	51,000	4,131	40,850	6,019	Roof Contract Awarded - Spring 2015 Start	Expires on June 30, 2017
2015-023	15023	SCH	FY15 BHS CAFATERIA WALLS	555,000	37,000	28,557	489,443	Under Design - Bid Document Prep.	Expires on June 30, 2017
2015-030	15030	ASD	FY15 EPERMITTING ACQUISITION & IMPLEMENT	211,544	-	3,000	208,544	Work in Progress	Expires on June 30, 2017
2015-031	15031	DPW	FY15 SHOOTING RANGE ASSESSMENT	25,000	18,000	6,600	400	Awaiting Final Report	Expires on June 30, 2017
2015-045	15045	SCH	FY15 HY WEST & BWB SCHOOL IMPROV DESIGN	172,000	-	-	172,000	Under Design - Bid Document Prep.	Expires on June 30, 2017
2015-063	15063	DPW	FY15 TECH EVAL STEWARTS CREEK CULVERT	40,000	-	38,575	1,425	Analysis underway	Expires on June 30, 2017
SUBTOTAL FY15				11,154,831	1,276,876	4,657,166	5,220,788		

The available balances in council orders 2014-099 and 2014-103 will be used to fund a portion of the FY 2016 Capital Improvements Program. All other projects are a work in progress with the appropriations having an expiration date of June 30, 2017.

PART III – CAPITAL SUBMISSION REVIEW PROCESS

The Town Administration has implemented a review process for capital submissions that uses 10 evaluation criteria with which each submission is scored. A task force made up of senior level managers across all departments is assigned the responsibility to review all submissions and score them accordingly. The scores of the task force members are then averaged and project submissions are ranked from highest to lowest score. This does not determine which projects will receive funding in the immediate fiscal year but is used as an objective measurement to assess the projects priority against all other submissions. The evaluation criteria used is included in Appendix C. The scores for each project submitted are on the following tables.

Enterprise Funds

PRIORITY	DEPT	PROJECTS	AVERAGE SCORE
3	AIRPORT	Design & Replace Airfield Vault Emergency Generator	25.33
4	AIRPORT	Hangar 2 Drainage Improvements	24.50
8	AIRPORT	Design & Reconstruct RWY 15-33 & TWY E & Portion TWY B	24.50
1	AIRPORT	Reconstruct Taxiway C & Part of TWY Delta	24.37
16	AIRPORT	Design & Reconstruct RWY 6-24	24.20
17	AIRPORT	Design & Reconstruct TWY Bravo	24.10
14	AIRPORT	Airport Layout Plan / FAA Master Plan Update & Noise Exposure Map	23.80
2	AIRPORT	Replace Kodiak Snow Blower & Dump Truck (w/ plow & sander)	23.67
12	AIRPORT	Replace Mo-Gas & Diesel Fuel Con-vault, Gas Boy + Alarm	23.40
6	AIRPORT	Replace Airfield Equipment - Tractor w/ Mower Deck & Power Unit	23.08
5	AIRPORT	Phase 2 Improve Airport Access Rd & Security Fence East Side	22.83
9	AIRPORT	Replace Snow Removal Equip, Aircraft Rescue / Fire Equip & Skid Steer Plow	22.60
10	AIRPORT	Design & Construct New Fiber Optic Airfield Lighting Control System	22.20
11	AIRPORT	Design & Construct Snow Removal Equip Storage Building	22.10
7	AIRPORT	Design & Acquire New Airport Financial System	21.83
15	AIRPORT	Clear Vegetation Along Fenceline Buffer Zone & Airspace Obstruction Area	21.10
13	AIRPORT	Design & Construct New T Hangar	20.50
2	HYCC	Cogenerator - HYCC	22.92
1	HYCC	Design & Construct Mechanical Upgrades - HYCC	22.42
3	MARINA	Hyannis Harbor Bulkhead - Study & Design	25.67
2	MARINA	Prince Cove Marina Bulkhead - Construct	23.33
1	MARINA	Gateway Marina Dredging	23.17
1	SANDY NECK	Sandy Neck Beach Park Stabilization	25.92
3	GOLF	Hyannis Golf Facilities Improvements (FY16 - Roof, redesign entrance & handicap access)	23.33
2	GOLF	Hyannis Golf Course Renovation	22.70
1	GOLF	Olde Barnstable Fairgrounds Golf Facility Improvements	22.50
4	SOLID WASTE	Four (4) 5.5 cu yd Compactor Units (for recycle area)	23.25
2	SOLID WASTE	Rubber Tire Wheel Loader	22.33
3	SOLID WASTE	Roll-Off Trailer (replace existing trailer)	22.25
1	SOLID WASTE	120 lb Truck Scale	21.50
1	WATER	Pipe Replacement & Upgrade Program	28.42
2	WATER	Water Supply Wells, Pump Stations & Treatment Plant Repair	27.75
4	WATER	Paint & Repair Large Water Tank Mary Dunn 2	26.42
3	WATER	New Well Exploration Program	25.92
5	WATER	Water Main Upgrade Barnstable Rd	25.42
1	SEWER	Reline Sewers & Laterals on South Street HY - Design 2016	27.36
3	SEWER	Clarifiers Rehab	26.60
2	SEWER	Design Plan to Meet New Capacity, Management, Operations & Maintenance	25.67

General Fund

PRIORITY	DEPT	PROJECTS	AVERAGE SCORE
1	DPW	Public Roads Maintenance Rehab Huckins Neck Rd , Drainage/Resurf 7 Rds & Craksealing	29.00
1	SCHOOL	Elementary School Modular Classroom Construction	26.08
2	SCHOOL	Barnstable Intermediate School Façade & Roof Improvements	25.75
3	SCHOOL	BCHMCPS Facade Improvements & Roof Replacement	25.17
6	SCHOOL	High School & Middle School Boiler Upgrades	25.17
9	SCHOOL	BWB, HYW & Centerville - Replace Ventilator Units	24.83
10	DPW	Town Hall Interior Improvements - Phase 1- Basement & First Floor	24.67
4	SCHOOL	Infrastructure Improvements - Access to Internet & Digital Resources	24.58
5	SCHOOL	High School Library AC Upgrades & Replacement	24.58
18	SCHOOL	School Wide Asbestos Abatement	24.50
2	COMM SERV	Craigville Beach House Renovations - Design, Permit, Construct	24.42
7	DPW	Rt 132 Rehabilitation Study & Preliminary Design	24.08
1	COMM SERV	Dredge Barnstable Outer Harbor - Design, Permitting & Dredging	24.00
8	SCHOOL	West Villages Elementary Air Conditioning Replacement	24.00
7	SCHOOL	High School Stadium Bleachers	23.92
11	SCHOOL	Barnstable Schools Facilities Bldg Roof Replacement	23.83
20	DPW	Bath House Septic Upgrades (Loop's, Dowses & Wequaquet)	23.75
10	SCHOOL	Electric Utility Transformer Upgrade	23.75
1	ADMIN SERV	Replace Telephone System with VOIP	23.70
13	DPW	Hyannis Main St Sidewalk Improvements (repair trip hazards, tree pit repairs, etc)	23.67
14	DPW	JFK Memorial Restoration - Reconstruct Patio, Benches, Fountain	23.67
17	DPW	Downtown Hyannis Roadway East End Evaluation - Study & Report	23.67
23	SCHOOL	Barnstable Intermediate School 150watt Cogeneration Plant	23.58
6	DPW	Town Hall Replace Heating System - w/ Modular Boilers	23.33
9	DPW	New Sidewalks - Bumps River Rd, South St, Hy (Ocean to Pleasant)	23.25
13	SCHOOL	School Wide Kitchens	23.20
3	COMM SERV	Kalmus Beach Parking Lot - Repave	23.17
4	DPW	School Zone Traffic Lights - Replacement w/ Solar Power	23.08
6	COMM SERV	Blish Pt - Design, Permit & Construct Long Term Solution	23.00
11	DPW	Bay Street Boat Ramp Reconstruction & Parking Area Concrete	23.00
17	SCHOOL	Centerville Elementary School Window Replacement	23.00
4	COMM SERV	West Bay Entrance Channel - Survey, Design & Dredge	22.83
12	DPW	Police Station Improvements - Garage Doors, Replace Chiller, Interior Finishes Carpet, etc	22.83
5	DPW	Guardrail Replacement (6,000 linea ft), Sidewalk Overlay, New Sidewalk	22.75
1	REG SERV	Hamblin Pond Alum Treatment	22.75
2	REG SERV	Hydrilla Control Mystic Lake & Middle & Long Ponds	22.67
16	SCHOOL	Hyannis West Elementary Exterior / Interior Door Replacement	22.60
16	DPW	Main St, Barnstable Hyannis Rd - Rendezvous Ln - Design & Permitting (Streetscape & Safety Improvements)	22.50
15	DPW	Trayser Museum Interior Repairs (toilets, interior finishes, HVAC)	22.42
3	REG SERV	Fanwort Control Wequaquet Lake (including Bearses Pond & Gooseberry Cove)	22.42
5	COMM SERV	Centerville Community Bldg - Playground & Play Field Design & Const	22.33
21	SCHOOL	High School Roof Top Nesbitt Units	22.30
8	COMM SERV	Design & Install new Generator - MEA Bldg & Senior Center	22.17
12	SCHOOL	HYW & High School Walk-in Cooler Improvements	22.10
7	COMM SERV	Lombard Field Improve - Parking, Bleachers, Ball Field & Press Box	22.08
14	SCHOOL	High School Field House Improvements	22.00
9	COMM SERV	Centerville Community Bldg - Door & Windows, Insulation, Window Blinds	21.92
19	SCHOOL	School Wide Pave & Repair Drives & Parking Lots	21.80
22	SCHOOL	High School Stadium Synthetic Turf Replacement	21.80
20	SCHOOL	Performing Arts Center Upgrades & Improvements (Seating, etc)	21.50
15	SCHOOL	Barnstable United Elementary Courtyard Improvements	21.50
3	DPW	Highway Admin Offices Continued Upgrade (Lockers, showers, etc) <i>No cost shown</i>	21.08
11	COMM SERV	Mill Pond & Long Pond Fish Ways (Cost TBD)	20.92

PRIORITY	DEPT	PROJECTS	AVERAGE SCORE
22	DPW	Burgess Barn Improvements - Interior Renovate, Bldg Stabilization	20.67
18	DPW	Add Private Roads to Asset Management System - Survey & Design	20.42
19	DPW	Trayser Custom House Site Improvements (historic cast iron fence & parking areas)	20.42
23	DPW	Trayser Old Jail Repairs - Structural, Exterior & Site Improvement	20.42
2	ADMIN SERV	Former Marstons Mills Elementary School - Permit, Design & Demolish 3 Portables	20.33
10	COMM SERV	West Bay Stone Breakwaters Repair - Design, Permit & Construct	20.25
12	COMM SERV	Joshua's Pond Site Work - Revised Access & Layout Parking Area	20.00
21	DPW	Trayser Museum - Carriage House Repairs - Exterior Masonry & Fenestration	19.92
13	COMM SERV	Hyannis Harbor Breakwater - Study & Preliminary Design	19.25
24	DPW	Private Roads Program - Four (Mary Dunn, Wakeby, Old Strawberry & High St (WB)	ns
25	DPW	Structures & Gds Pole Barn Garage Addition	ns

Many of the highest scoring projects are recommended for funding in FY 2016. Some of the higher scoring projects that did not receive any funding in FY16 may be a result of the project not being ready for the construction phase, the cost requires further evaluation, funding is not available or the department submitted the project with a request for funding in a subsequent year.

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PART IV – TOWN MANAGER RECOMMENDATIONS

Having reviewed the scoring of projects by my Senior Staff, I am recommending that the Town Council approve a total of **\$27,416,200** in capital projects for FY 2016 as follows: **\$15,163,700** for the General Fund program and **\$12,252,500** for enterprise accounts. Funding for the general fund portion of the program consists of **\$3,829,832** in Capital Trust Fund (CTF) reserves, **\$494,868** in transfers from closed appropriations, and **\$10,839,000** in new borrowing authorizations. Funding for the enterprise fund programs consists of using **\$1,604,150** of enterprise fund reserves and **\$5,226,000** in new borrowing authorizations. **\$5,422,350** is anticipated to be reimbursed from federal and state granting agencies. The grants funds received will reduce the amount of any bonds issued or the reserves used to finance the enterprise fund's capital program. The bonds issued for the enterprise fund projects are expected to be paid back with enterprise fund revenues.

Enterprise Funds Recommendations

Project Name	Funding Source			
	Enterprise Fund Reserves	Bond Issue	Grants	Total
AIRPORT:				
Reconstruct Taxiway C & Part of TWY Delta	190,000		3,610,000	3,800,000
Replace Kodiak Snow Blower & Dump Truck	53,750		1,021,250	1,075,000
Design & Replace Airfield Vault Emergency Generator	4,500		85,500	90,000
Hangar 2 Drainage Improvements	25,000		100,000	125,000
Improve Airport Access Rd & Security Fence East Side	132,000		528,000	660,000
Airfield Equipment Replacement	84,400		77,600	162,000
Total Airport Enterprise Fund	489,650		5,422,350	5,912,000
MARINAS:				
Gateway Marina Dredging		280,000		280,000
Prince Cove Marina Bulkhead - Construct		570,000		570,000
Hyannis Harbor Bulkhead - Study & Design		158,000		158,000
Total Marinas Enterprise Fund		1,008,000		1,008,000
SANDY NECK:				
Sandy Neck Beach Park Stabilization		352,000		352,000
Total Sandy Neck Enterprise Fund		352,000		352,000
GOLF COURSES:				
Olde Barnstable Fairgrounds Golf Facility Improvements		174,000		174,000
Hyannis Golf Facilities Improvements		140,000		140,000
Total Golf Enterprise Fund		314,000		314,000

The recommended projects for the Enterprise Funds *(continued)*

Project Name	Funding Source			
	Enterprise Fund Reserves	Bond Issue	Grants	Total
WATER SUPPLY:				
Pipe Replacement & Upgrade Program	150,000	900,000		1,050,000
Wells Pump Station & Treatment Plant Upgrades	200,000			200,000
Paint / Repair Large Tank Mary Dunn 2		615,000		615,000
Water Main Upgrade Barnstable Rd		1,037,000		1,037,000
Total Water Supply Enterprise Fund	350,000	2,552,000		2,902,000
WATER POLLUTION CONTROL:				
Reline Sewers & Laterals on South Street	84,500			84,500
Sewer Capacity Evaluation	200,000			200,000
Rehab Clarifiers		1,000,000		1,000,000
Total Sewer Enterprise Fund	284,500	1,000,000		1,284,500
SOLID WASTE:				
Truck Scale	50,000			50,000
Rubber Tire Wheel Loader	280,000			280,000
Roll-Off Trailer	50,000			50,000
Four Compactor Units for recycle area	100,000			100,000
Total Solid Waste Enterprise Fund	480,000			480,000
Total All Enterprise Funds	1,604,150	5,226,000	5,422,350	12,252,500

General Fund Recommendations

Project Name	Funding Source			
	Capital Trust Fund Reserves	Bond Issue	Transfer From Closed Projects	Total
INFRASTRUCTURE:				
Public Roads Maintenance Program	3,250,000			3,250,000
School Zone Traffic Lights	92,700			92,700
Guardrails and Sidewalks		400,000		400,000
Bay Street Boat Ramp		142,000	147,000	289,000
JFK Memorial Restoration	87,000			87,000
Add Private Roads to Asset Management System	55,000			55,000
Private Roads Program		488,000	245,000	733,000
Joshua's Pond Site Work		282,000	35,000	317,000
Total	3,484,700	1,312,000	427,000	5,223,700
MUNICIPAL FACILITIES:				
Police Station Improvements		355,000		355,000
Demolish Portables at Former MM Elementary School	39,598		10,402	50,000
Town Hall Heating System		939,000		939,000
Total	39,598	1,294,000	10,402	1,344,000
WATER QUALITY:				
Hamblin Pond Alum Treatment		300,000		300,000
Hydrilla Control Mystic Lake & Middle & Long Ponds	86,950		13,050	100,000
Total	86,950	300,000	13,050	400,000
SCHOOL FACILITIES:				
Elementary School Modular Classroom Construction		3,720,000		3,720,000
BIS Facade & Roof Improvements		3,353,000		3,353,000
BCHMCPS Facade Improvements & Roof Replacement		260,000		260,000
Technology Infrastructure Improvements	168,584		44,416	213,000
High School & Middle School Boiler Upgrades		350,000		350,000
W Villages Elementary Air Conditioning Replacement		250,000		250,000
60watt Cogeneration Plant at BIS	50,000			50,000
Total	218,584	7,933,000	44,416	8,196,700
Grand Totals	3,829,832	10,839,000	494,868	15,163,700

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PART V – DETAIL SUPPORTING RECOMMENDED PROJECTS

Water Supply Enterprise Fund

PROJECT: DPW-16-1 WATER SUPPLY

DEPARTMENT PRIORITY: 1 of 5

Project Working Title: PIPE REPLACEMENT AND UPGRADE PROGRAM

Project Location: Drinking water distribution system for Hyannis, Hyannis Port and West Hyannis Port

Project Description: This is a continuation of a 30 year, phased, pipe replacement and upgrade program for the Hyannis Water System; as recommended by Weston & Sampson Engineering, Inc. in their April 2007 Master Plan.

Project Justification: It is important 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 capially funded water works project manager to oversee and implement this program. This continuing project will ensure the long term ability of the Hyannis Water System to provide sufficient drinking water and fire readiness protection for all of its customers.

Describe Work Previously Accomplished this Proposed Project: As this is an ongoing infrastructure repair project, the previous work was to replace and upgrade other sections of the water distribution system.

Impact Of Denial/Postponement: Water distribution capacity will continue to be less reliable over time, which would limit water supply availability during emergencies, for existing customers, and preclude the ability to accommodate new economic growth.

Project Cost Estimates: FY 2016 Design & Permitting \$150,000
 Construction \$857,000
 Construction Contingency \$43,000
 Total FY16 Project Cost \$1,050,000

Basis for cost estimates: Previous year's experience

Project Estimated Completion Date: June 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,050,000	Design & Construction
2017	\$1,050,000	Design & Construction
2018	\$1,050,000	Design & Construction
2019	\$1,050,000	Design & Construction
2020	\$1,050,000	Design & Construction

Source of Funding: Water Supply Enterprise Fund Reserves \$150,000 and Bond Issue \$900,000

Operating Budget Impact now or in future: The upgrades will be to existing distribution piping which are already maintained by the DPW. Replacing these pipes will likely result in less maintenance cost, and should not result in the need for additional personnel (the project manager which is funded by this project, is an existing capitally funded position).



Replacing Water Pipe

Project Working Title: WATER SUPPLY WELLS, PUMP STATIONS, AND TREATMENT PLANT REPAIR AND UPGRADE PROGRAM**Project Location:** Existing wells, pumping stations, and treatment facilities

Project Description: This CIP is a continuation of the repairs and upgrades program started in FY2007. With the exception of the Straightway well #2, all of the wells were constructed in the early to mid-1970s. The prior year's monies were used to install emergency generators, lighting, fencing and implement 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 include: buildings, process control equipment, safety & security equipment, and electrical equipment.

Project Justification: It is appropriate to implement a structured program to repair and upgrade the wells, pump stations and treatment facilities as many of these components 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.

Describe Work Previously Accomplished this Proposed Project: As this is an ongoing infrastructure repair project, previous work was to repair and upgrade roofs and windows in buildings, process control equipment and motor VFD drives.

Impact Of Denial/Postponement: Water Supply and pumping capacity will become less reliable over time, thus limiting water supply availability for all customers and during emergencies.

Project Cost Estimates: FY 2016 Design & Permitting \$20,000
 Construction \$171,500
 Construction Contingency \$8,500
 Total Project Cost \$200,000

Basis for cost estimates: Experience with previous year's projects

Project Estimated Completion Date: June 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$200,000	Design / Construction
2017	\$200,000	Design / Construction
2018	\$200,000	Design / Construction
2019	\$200,000	Design / Construction
2020	\$200,000	Design / Construction

Source of Funding: Water Supply Enterprise Fund Reserves

Operating Budget Impact now or in future: The upgrades will be to existing well buildings, treatment and other facilities which are currently maintained by the DPW. Some operating budget savings may be realized by replacing existing equipment with more energy efficient equipment, and a reduction in maintenance cost.

Project Working Title: PAINT AND REPAIR LARGE WATER TANK, MARY DUNN 2

Project Location: 1230 Mary Dunn Road, Barnstable

Project Description: This water storage tank needs rehabilitation, upgrades, and painting on its interior and exterior. In addition, repairs needed for the security fencing, gates and access road.

Project Justification: Weston & Sampson Engineering, Inc. recommended this project in their April 2007 Master Plan. Haley & Ward Engineers completed a detailed evaluation in August 2013-based inspections by Marithew Utility Services Corporation, which confirmed the recommendations.

Describe Work Previously Accomplished this Proposed Project: The design request for quotations is being finalized for distribution

Impact Of Denial/Postponement: Denial or postponement of the project would allow further deterioration of the Mary Dunn 2 water storage tank. This deterioration would eventually need to be addressed, and the expectation is at a higher cost in the future. In the interim, security and sanitary integrity of the potable stored water could be compromised.

Project Cost Estimates: FY 2016 Construction \$587,000
Construction Contingency \$28,000
Total Project Cost \$615,000

Basis for cost estimates: The Mary Dunn 2 Tank evaluation report by Haley & Ward Inc., August 2013

Project Estimated Completion Date: June 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$615,000	Rehabilitation

Source of Funding: Water Supply Enterprise Fund Bond Issue

Operating Budget Impact now or in future: The tank is an existing facility that is currently maintained by the DPW. Repairs / upgrades will potentially decrease near-term maintenance cost, but will not have lasting impact on the operating budget.



Mary Dunn 2

Project Working Title: WATER MAIN UPGRADE, BARNSTABLE ROAD

Project Location: Barnstable Road, Hyannis

Project Description: This project will upgrade the water main on Barnstable Road from Main Street to Winter Street with approximately 3,200 feet of new cement lined, ductile iron pipe, and include new fire hydrants and water gate valves.

Project Justification: This project was recommended in the April 2007 Master Plan by Weston and Sampson Engineers, Inc.

Describe Work Previously Accomplished this Proposed Project: The design request for quotes is being finalized for distribution.

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

Project Cost Estimates: FY 2016 Construction \$990,000
Construction Contingency \$47,000
Total Project Cost \$1,037,000

Basis for cost estimates: Derived from recently bid water projects

Project Estimated Completion Date: December 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,037,000	Construction

Source of Funding: Water Supply Enterprise Fund Bond Issue

Operating Budget Impact now or in future: The upgrade will be to the existing distribution system piping which is already maintained by the DPW. Replacing this pipe will likely result in less maintenance cost, and should not result in the need for additional personnel. The debt service cost will slightly increase and are reflected in the FY16 rate & fee recommendation.



Barnstable Road Failing Water Main

Water Pollution Control Enterprise Fund

PROJECT: DPW-16-1 WASTE WATER

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: RELINE SEWERS & LATERALS, SOUTH ST, HYANNIS

Project Location: South St, Hyannis

Project Description: Reline the sewers and laterals in South St, Hyannis. This work includes inserting a soft plastic insert into the existing sewer and then heating it to form a hard interior liner.

Project Justification: The sewers along South St Hyannis were installed in 1935, and consist of 3-foot sections of clay pipe. The sewer is in fair shape at this time, but a recent video evaluation of the interior of the sewer indicates that the clay pipe is starting to suffer from cracks, which allow the intrusion of roots. If allowed to continue roots could force their way in and break out chunks of pipe.

Describe Work Previously Accomplished this Proposed Project: The South Street sewer has been video inspected once every five years.

Impact of Denial/Postponement: The major concern is the recent failure of a comparable sewer on High School Road that failed suddenly despite the previous year video inspection indicating all was well. This is a warning not to be ignored; a pipe collapse on South St would create substantial disarray by cutting off sewer disposal to properties on the street

Project Cost Estimates: FY 2016 Design & Permitting: \$50,000
Project Contingency: \$34,500
Total FY16 Project Cost: \$84,500

Basis for cost estimates: DPW generated estimates based on prior projects

Project Estimated Completion Date: June 2017

Project Cost/Description FY 2017 and Follow-On Years: This project is a one-time installation and has a projected useful life of 50 to 100 years.

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$ 84,500	Design and Permit
2017	\$672,000	Construction

Source of Funding: Sewer Enterprise Fund Reserves

Operating Budget Impact now or in future: The line would be inspected every 10 years; it is inspected every 5 years presently.

Project Working Title: CAPACITY, MANAGEMENT, OPERATIONS AND MAINTENANCE (CMOM)

Project Location: Various locations Town wide

Project Description: An evaluation of the sewer collection system and designing a program to meet the new CMOM criteria.

Project Justification: The State has recently made changes to 314 CMR 7.00 and 12.00. Included in these changes are mandatory Infiltration and Inflow (I/I) identification and elimination Program.

Impact Of Denial/Postponement: Risks violation of the State regulation.

Project Cost Estimates: FY 2016 Design & Permitting: \$200,000
Total Initial Phase Cost \$200,000

Basis for cost estimate: In house estimate

Project Estimated Completion Date: June 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$200,000	Design & Permitting
2017	To be determined after initial phase	

Source of Funding: Water Pollution Control Division sewer reserve fund. More will be known after initial phase is completed.

Operating Budget Impact now or in future: This is a new State regulation and cost impacts are unknown.



Example: CMOM focused pump stations, one of various locations

Project Working Title: CLARIFIERS REHABILITATION

Project Location: 617 Bearnse’s Way, Hyannis

Project Description: This is the second phase of this project. Previously a consultant was brought on board to evaluate the condition, capacity, operation, repainting and repair of the five clarifiers at the Bearnse’s Way treatment plant. By FY 2016, a decision will have been made as to what method and materials to use to rehabilitate the clarifiers. This CIP is to fund the construction efforts. \$1,000,000 is budgeted as a placeholder until the study is complete in the spring of 2015.

Project Justification: The two primary clarifiers are 34 years old, a third secondary clarifier is 17 years old. Typical design life of these pieces of equipment is 20 years. This work is intended to extend their useful life for another 20 years.

Describe Work Previously Accomplished this Proposed Project: At this time, a Request for Proposal has been issued to obtain services of a consultant to advise staff on clarifier upgrades.

Impact Of Denial/Postponement: The coating of the clarifiers will continue to degrade and risk of equipment failure increases.

Project Cost Estimates: FY 2016 Construction: \$1,000,000
Total Project Cost: \$1,000,000

Basis for cost estimate: In house estimate

Project Estimated Completion Date: December 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,000,000	Construction

Source of Funding: Waste Water Enterprise Fund Bond Issue.

Operating Budget Impact now or in future: None identified at this time.



Secondary Clarifier

Solid Waste Enterprise Fund

PROJECT: DPW-16-1 SOLID WASTE

DEPARTMENT PRIORITY: 1 of 4

Project Working Title: PURCHASE NEW TRUCK SCALE

Project Location: 45 Flint Street, Marstons Mills

Project Description: Purchase a 120,000 lb. truck scale that services the transfer station operations.

Project Justification: The existing truck scale was installed in 2001. The scale has several rotted components including the deck itself. It is approaching the end of its useful life span.

Impact of Denial/Postponement: Denial of this request could result in the existing scale failing during the fiscal year, emergency funding will need to be found to replace the scale.

Project Cost Estimates: FY 2016 Scale Purchase and Installation \$50,000
Total Project Cost \$50,000

Basis for cost estimates: RFQ's

Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$50,000	Purchase new truck scale

Source of Funding: Solid Waste Enterprise Fund Reserves

Operating Budget Impact now or in future: Avoidance of repair costs.



Truck Scale

Project Description: PURCHASE RUBBER TIRE WHEEL LOADER

Project Location: 45 Flint Street, Marstons Mills

Project Description: Purchase a rubber tire wheel loader.

Project Justification: The existing 2003 loader has 24,000 hours on it. Typical design life for these loaders is 12,000 to 15,000 hours. Both the the motor and transmission have had major repairs. It is the most important piece of equipment at the facility and it is recommended it be replaced before further major repairs occur.

Impact Of Denial/Postponement: Repair expenditures will increase, causing a negative impact on the Division.

Project Cost Estimates: FY 2016 Purchase of equipment \$280,000
Total Project Cost \$280,000

Basis for cost estimates: State Contract Bid

Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$280,000	Rubber Tire Wheel Loader

Source of Funding: Solid Waste Enterprise Fund Reserves



Rubber Tire Loader

Project Working Title: PURCHASE OF ROLL OFF TRAILER

Project Location: 45 Flint Street, Marstons Mills. Ma.

Project Description: Purchase a roll off trailer to replace the existing 1991 roll off trailer. This trailer is used to pick-up, transport, and dispose of materials.

Project Justification: The existing trailer was purchased new in 1991 and is entering into its 23rd year of operation. Rust along with normal wear and tear has taken its toll and mechanical issues have been surfacing. It is recommended that the trailer be replaced before repair costs exceed its value.

Impact Of Denial/Postponement: This trailer will not be safe to operate on the road, repair expenditures will increase, causing a negative impact on the Division.

Project Cost Estimates: FY 2016 Purchase \$50,000
Total Project Cost \$50,000

Basis for cost estimates: State Contract Quote

Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$50,000	Purchase new Roll off Trailer

Source of Funding: Solid Waste Enterprise Fund Reserves

Operating Budget Impact now or in future: Reduction in repair costs, although barely measurable, otherwise minimal due to newness of trailer.



Trailer

Project Working Title: PURCHASE 4 COMPACTOR UNITS

Project Location: 45 Flint Street, Marstons Mills

Project Description: Purchase 4 new 5.5 yard compactor units for recycle area

Project Justification: The decision has been made to change our recycle program from a sorting system to a single stream system; compacting all recyclable materials in single containers. Cardboard will be separated out and compacted then sold at market price. This system will make recycling much easier for our residents and will increase the town’s recycle rate.

Impact Of Denial/Postponement: Denial of this request would negatively impact the single stream recycle procedure, containers would be shipped half full adding to trucking and electrical costs. Also there would be a negative impact on the environment and infrastructure because of the need to run more trucks.

Project Cost Estimates: FY 2016 Purchase \$100,000
Total Project Cost \$100,000

Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$100,000	Purchase 4 -5.5 cubic yard compactors

Source of Funding: Solid Waste Enterprise Fund Reserves

Operating Budget Impact now or in future: Electric costs will increase but amount unknown.



Compactor

Public Works General Fund

PROJECT: PW -16-1 ADMINISTRATION

DEPARTMENT PRIORITY: 1 of 25

Project Working Title: PUBLIC ROADS MAINTENANCE

Project Location: Road rehabilitation of the entire length of Huckins Neck Road in Centerville. Drainage improvements and resurfacing are planned on Smith Street, Putnam Avenue, High School Road, Hyannis Road, East Bay Road, Keveney Lane, and Pine Street (W. Barnstable). Drainage projects and preventive maintenance crackseal of various roads town-wide (approx. 37.5 miles) to extend their service life is also included in this project.

Project Description: This is a continuing essential program aimed at combating the progressive deterioration of the Town's roadway assets and provision of new stormwater handling capacity. Depending on physical conditions and analysis using the Town's Pavement Management Program, the repairs may include one of several different approaches including: full depth reconstruction, asphalt overlay, milling and paving, applying a chipseal surface layer or cracksealing. In addition to surface repairs, improvement projects typically include installation or upgrading of drainage systems, curbing, and sidewalks wherever practicable. Other project elements include: Design services for various construction quality control measures; Roadwork inspection and material testing; Construction and repair of multiple drainage sites town-wide in problem areas identified during the course of the year.

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. Analysis performed through the Pavement Management Program shows a current backlog of approximately \$21 million of needed public road repairs. This represents a reduction of the \$28 million backlog presented in the FY2015 CIP that figure being based upon conditions surveyed in 2012. In addition, the Town has a backlog of approximately 245 locations where drainage improvements are required to protect public safety and prevent potential property damage.

Impact Of Denial/Postponement: The impact of denial or postponement will be accelerated deterioration of our public roadway network resulting in public safety hazards and liability, potential damage to private property, and increased repair costs. One example is the crack seal projects that are proposed; allowing these roads to deteriorate would require more expensive maintenance operations such as milling and placing an asphalt overlay that would cost approximately 4000% more than the proposed preventative maintenance.

Project Cost Estimates: FY 2016

Design & Permitting	\$250,000
Construction	\$2,252,071
Construction Contingency	\$225,207
Construction Services	\$144,000
Project Management	\$216,000
Project Contingency	\$162,722
Total Project Cost	\$3,250,000

Basis for cost estimates: Cost estimates and locations were developed through the Barnstable pavement management system, which includes cost/benefit comparisons for guidance in the selection of projects. Costs calculated based on the level of labor, equipment and materials required to complete the construction. Quantities for individual items calculated based on actual field counts, measurements and observations.

Historical cost data and the most current unit rates applied for each item and/or activity to determine estimated costs. Input provided by Highway Department personnel to assist in identification of problematic roadway conditions and recent repair history.

Project Estimated Completion Date June 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$3,250,000	Design & Construction
2017	\$3,250,000	Design & Construction
2018	\$3,250,000	Design & Construction
2019	\$3,250,000	Design & Construction
2020	\$3,250,000	Design & Construction

Source of Funding: Capital Trust Fund Reserves

Operating Budget Impact now or in future: The purpose of this project is primarily to maintain the existing roadway network and reduce the impacts of deferred maintenance on operating and capital budgets.

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

Project Working Title: SCHOOL ZONE TRAFFIC LIGHTS

Project Location: Town wide

Project Description: Replace the old zone school traffic light sign boards with new technology utilizing solar power

Project Justification: The eleven school zone traffic lights throughout the Town of Barnstable are old and faded and are in need of repairs or replacing, currently they are powered by electricity. New technology offers solar powered light boards which would conserve energy, be better for the environment, and save money.

Impact Of Denial/Postponement: If denied we can expect increased costs for maintenance and repairs on an aging infrastructure. The Highway division currently has a very limited budget for these types of repairs, often goes over budget to maintain these lights.

Project Cost Estimates: FY 2016 Construction \$84,700
Construction Contingency \$8,000
Total Project Cost \$92,700

Basis for cost estimates: Contractor Quotes & in house installation

Project Estimated Completion Date: FY2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$92,700	Design & Construction

Source of Funding: Capital Trust Fund Reserves

Operating Budget Impact now or in future: The new solar powered lights should reduce electric costs and save on maintenance actions.



Typical Older School Zone Light

Project Working Title: GUARDRAIL REPLACEMENT / SIDEWALK OVERLAY & CONSTRUCTION**Project Location:** Town wide**Project Description:** This project addresses three issues as follows:

1. Removal and replacement of 6,000 linear feet of old deteriorated concrete post and steel cable guardrails.
2. Removal of old broken asphalt and vegetation within existing footprint of exiting deteriorated sidewalks and install a new 1.5" layer of new asphalt.
3. Construct a new sidewalk on west side of Bay Lane between the south and north entrances to the ballpark in the vicinity of the Centerville Elementary School. Included will be new handicap accessible crossings at two locations supported by solar powered flashing warning signs for high visibility.

Project Justification: Barnstable has approximately 9.2 miles of guardrail, much of which does not meet the MUTCD standards, which is in need of replacing. It consists of concrete posts and steel cables and is highly deteriorated. Sidewalks throughout the Town are overgrown with vegetation, narrowing, heaving with roots, and deteriorating which is causing numerous trip hazards. The sidewalks are difficult to maintain during snow and ice.

Describe Work Previously Accomplished this Proposed Project: We completed approximately 8,000 feet of guardrail replacement in the past 2 years and completed sidewalk overlays on Main Street Osterville.

Impact Of Denial/Postponement: By curtailing the replacement program, we would be at a risk of liability. Accidents resulting in personal injury may occur as a direct result of vehicles leaving the road through an aging guardrail system. The sidewalk overlay project is needed to maintain the sidewalk infrastructure throughout the Town. There are numerous trip hazards that would be a liability issue for the Town of Barnstable. This is a matter of public safety.

Project Cost Estimates: FY 2016 Guardrails and sidewalk overlays \$299,250
 Bay Lane Sidewalk \$100,750
 Total Project Cost \$400,000

Basis for cost estimates: Construction Costs are based on an average of \$23.80 per lineal foot as determined by the Barnstable County Contract for weathered steel beam cor-10 Guardrail with wooden posts with an 3% increase annually. Sidewalk costs are based on a linear footage price from an invitation for bid including prep work.

Project Estimated Completion Date: FY2016 project - June 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$400,000.00	Design and Construction
2017	\$308,227.50	Design and Construction
2018	\$317,474.33	Design and Construction
2019	\$326,998.56	Design and Construction
2020	\$336,808.52	Design and Construction

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: This work should decrease the need for maintenance in the near term.



Damaged Guardrail

Project Working Title: BAY STREET BOAT RAMP CONSTRUCTION**Project Location:** Bay Street, Osterville**Project Description:** The existing asphalt boat ramp will be removed and a new boat ramp will be constructed. The adjacent parking area will be excavated and replaced with a state of the art porous concrete surface. Additional catch basins will be installed in the approach roadway, and further storm water mitigation features consisting of low impact swales and a rain garden will be constructed.**Project Justification:** The Bay Street boat ramp is one of the Town's important marine assets, providing access to North Bay, south side marinas, prime shellfish habitats and some of our designated mooring fields. The ramp is in need of repair as the asphalt has deteriorated and the ramp edges are a hazard.**Describe Work Previously Accomplished this Proposed Project:** A previous contract was issued for design and permitting which is now 100% complete. Construction of a small portion of the project was completed in early summer of 2014 consisting of beach bank erosion protection.**Impact Of Denial/Postponement:** If the proposed repairs are not completed the boat ramp will deteriorate to a point where it is unusable. A ramp in poor condition is also a safety hazard. The improvements proposed will also result in major improvements to water quality in the immediate area due to the removal (capture) of runoff from existing asphalt surfaces.

Project Cost Estimates: FY 2016 Construction \$239,000
 Construction Contingency \$24,000
 Construction Services \$13,000
 Project Contingency \$13,000
 Total Project Cost \$289,000

Basis for cost estimates: DPW Engineering - design engineer cost estimate**Project Estimated Completion Date:** December 2015**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$289,000	Construction & construction supervision

Source of Funding: Capital Trust Fund Bond Issue \$142,000 & Transfer from Closed Appropriations \$147,000**Operating Budget Impact now or in future:** Additional catch basins will require periodic cleaning. Cost to be determined.



Deteriorated Boat Ramp

Project Working Title: POLICE HEADQUARTERS IMPROVEMENTS

Project Location: 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. This project would fund the following: Replacement of all overhead doors & mechanicals, replacement of chiller (50 ton unit) & floor mounted fan coil units, and upgrade of interior finishes to include new carpet, painting and selective interior improvements

Project Justification: The Police Department Facility is one of the most heavily used buildings we have in Town. Utilized 24/7, this building needs more attention, maintenance and repairs than any of our other facilities. To keep this building from degrading in function or operation in the near future, these improvements and changes need to occur.

Describe Work Previously Accomplished this Proposed Project: Renovation of the Dispatch HVAC and lighting upgrade, sound and lighting upgrades to cell block completed. Building being tied into new sewer system. Replacement of the dispatch cooling system completed.

Impact of Denial/Postponement: The existing cooling system chiller and unit ventilators are at the end of their useful life and are in jeopardy of failure. Postponement would allow continued deterioration of building elements causing increased replacement costs and poor public image.

Project Cost Estimates: FY 2016

- Design & Permitting \$28,000
- Construction \$268,000
- Construction Contingency \$16,000
- Project Management \$28,000
- Project Contingency \$15,000
- Total Project Cost \$355,000

Basis for cost estimates: DPW Engineering estimates

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$355,000	Design & Construction

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: The majority of the work consists of functional efficiency improvements involving safety concerns and renovation upgrades replacing worn out finishes. Door and window replacements will improve energy conservation and reduce operating costs (TBD).

Project Working Title: TOWN HALL BOILER CONVERSION

Project Location: 367 Main Street, Hyannis

Project Description: This project will continue the replacement of the existing Town Hall heating plant with new high efficiency modulating boilers. With this project, the current steam distribution system will be replaced with hot water fin tube radiation throughout the entire facility. A new direct digital control system will be installed to efficiently regulate heat distribution. This system will allow for remote computer monitoring, fuel tracking data, space temperature control, occupancy schedules and boiler run times. All new hot water distribution piping will be insulated to minimize heat loss and maximize efficiency.

Project Justification: The existing Town Hall steam heating system is at the end of its useful life and is extremely inefficient. The pneumatic control system is antiquated making the heat distribution difficult to regulate. A new high efficiency heating plant will reduce energy costs and create a more comfortable work environment. It is estimated that this project will reduce heating costs by approximately 30% or \$12,000 per year.

Describe Work Previously Accomplished this Proposed Project: Completed work or underway work includes the installation of circulator pumps for the chilled water system. Community Preservation Funds funds were used to renovate the courtyard vestibule, major exterior restoration of masonry, and for window and slate roof replacement. The existing abandoned coal fired boilers have been removed from the basement leaving space for the installation of three new modulating boilers and the eventual change over to a new forced hot water system. The Town Clerk's Office has been fully renovated at this time. Stairwell renovation work is currently underway through FY13 and FY14 CIP funding. This work includes 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 damaged walls.

Impact of Denial/Postponement: Mechanical systems will continue to degrade and require increased maintenance and operating costs. The existing heating system has passed its useful life and has become unreliable and cost prohibitive to maintain. Complete failure of the system could cause building closure.

Project Cost Estimates: FY 2016 Design & Permitting \$92,000
 Construction \$641,000
 Construction Contingency \$129,000
 Project Management \$38,500
 Project Contingency \$38,500
 Total Project Cost \$939,000

Basis for cost estimates: Engineer assisted estimate

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$939,000	Design and construction

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: The facility is an existing Town facility that is currently maintained by the DPW. Improvements/upgrades are expected to result in improvement in energy usage, and are not expected to adversely impact the Operating Budget. It is estimated that a 30% annual savings will be recovered from natural gas expenses due to an increase in heating efficiency.

Project Working Title: PRIVATE ROADS PROGRAM

Project Location: Four locations are included in this request: Mary Dunn Road, Wakeby Road, Old Strawberry Hill Road, and High Street (West Barnstable)

Project Description: Recent legislation (Chapter 339 of the Acts of 2014 - signed by the Governor on 10/3/2014) allows that "*the Town of Barnstable may from time to time, for the purpose of ensuring the safety of the general public, enter and make expenditures for undertaking maintenance and improvements within the layout, or any portion thereof, of one or more private ways within the Town*" this must include "*a declaration of common usage of such private way by the general public by vote of the Town Council*". The 4 projects included in this capital project request are considered priority locations.

Project Justification: The four roads in question have been in dire need of repair for a number of years. This effort will stabilize these roads for the next few years, while more extensive reconstruction and rebuild projects for them are planned and designed.

Impact Of Denial/Postponement: Deffered maintenance will increase repair costs and inconvenience the users of the listed roads.

Project Cost Estimates: FY 2016 Construction \$524,000
 Construction Contingency \$157,000
 Project Management \$52,000
 Total Project Cost \$733,000

Basis for cost estimates: Cost/SY based on width*length*unit price from the pavement management system.

Project Estimated Completion Date: December 2015

Method of Project Accomplishment: Barnstable County Bid

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$733,000	Overlay

Source of Funding: Capital Trust Fund Bond Issue \$488,000 & Transfer from Closed Appropriations \$245,000

Operating Budget Impact now or in future: No immediate impact is expected for the projected life of the repairs which is 12 years.

Project Working Title: JFK MEMORIAL RESTORATION PROJECT

Project Location: 480 Ocean Street, Hyannis

Project Description: Historic restoration and preservation of the John F. Kennedy Memorial Park. Work consists of the complete reconstruction of the concrete patio, granite benches, fountain, and landscape enhancements.

Project Justification: Town of Barnstable owns and operates the John F. Kennedy Memorial Park located at 480 Ocean Street, Hyannis. The park was constructed in 1965 and dedicated on July 8, 1966, to memorialize our 35th President and his association with Cape Cod. The park has been a major tourist destination since its inception, and continues to be heavily visited. Despite recent efforts to revitalize the fountain and concrete patio, the facility is nearing the end of its useful life and is in need of complete restoration.

Describe Work previously accomplished this Proposed Project: Small capital improvements funded through the John F. Kennedy Memorial Trust Fund Committee have been completed in past years.

Impact Of Denial/Postponement: The Town will recognize the 50th anniversary of the park's dedication in 2016. This project has been identified as a priority by the JFK Memorial Trust Fund Committee, Town Manager, and Town Council. The pool fountain and associated mechanical equipment is in a state of failure. JFK's 100th birthday would have been in 2017. Delay will push restoration beyond the 2017 celebration ceremony.

Project Cost Estimates: FY 2016	Design & Permitting \$87,000
	Construction \$605,000
	Construction Contingency \$121,000
	Project Management \$36,000
	Project Contingency \$36,000
	Total Project Cost \$885,000

Basis for cost estimates: Consulting Architect Estimate

Project Estimated Completion Date: Spring 2017

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$885,000	Design & Construction

Source of Funding: Capital Trust Fund Reserves \$87,000 design & permitting

Operating Budget Impact now or in future: None other than what has been routinely spent each year.

Project Working Title: ADDING PRIVATE ROADS TO THE ASSET MANGEMENT SYSTEM**Project Location:** Town-wide

Project Description: In 2012, the Town hired BETA Group to establish “benchmark” existing conditions for pavement, signage, guardrails and stormwater facilities on Public roads. This information has been entered into a robust Asset Management software program and can be used for multiple purposes including future budget need. Adding the private roads to the system will only require an updated physical survey because the software “platform” is already in place. Use of the Asset Management system as applied to private roads will enable overall costs to be calculated and will allow DPW to better allocate maintenance funds and Temporary Repair to Private Road funds.

Project Justification: The private roads in Town have not been evaluated since 2003. No methodology for estimating individual road or program costs for private roads exists. Obtaining new survey information will allow better decision-making pertaining to allocation of maintenance funds and allow prioritization of private road repair.

Impact Of Denial/Postponement: Lack of action on evaluation of the approximately 190 miles of private roads in Town will continue the uncertainty of future budget needs and prevent logical decisions regarding maintenance and safety of the private roads.

Project Cost Estimates: FY 2016 Design & Permitting \$51,000
 Project Management \$2,000
 Project Contingency \$2,000
 Total Project Cost \$55,000

Basis for cost estimates: DPW - Engineering - Estimates provided by BETA Group

Project Estimated Completion Date: June 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$55,000	Survey, Design/Management

Source of Funding: Capital Trust Fund Reserves

Operating Budget Impact now or in future: No direct operating cost impacts until private road policy is amended.

Golf Course Enterprise Fund

PROJECT: CSD-16-1 GOLF

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: OLDE BARNSTABLE FAIRGROUNDS GOLF FACILITY IMPROVEMENTS

Project Location: 1460 Route 149, West Barnstable

Project Description: This project will consist of a phased approach to address a multitude of building maintenance deficiencies. The existing clubhouse roof is over 23 years old and is at the end of useful life and is leaking. This project will replace the existing cedar roof with a new asphalt roof on the clubhouse, replace exterior trim and paint the entire building's exterior. Subsequent phases will include replacement of windows and doors that are beyond repair with more energy efficient units. The HVAC system is in need of upgrades to include new pipe insulation and plumbing. The maintenance barn roof is in need of replacement and the underground fuel storage tanks should be upgraded to include above ground fuel storage and distribution systems.

Project Justification: The existing clubhouse was constructed in 1991 and is in desperate need of improvements. This building is the hub of the golf course operation and provides facilities for over 1,100 club members and the general public. This facility houses a public café, pro-shop, function room and large exterior deck. The maintenance building houses grounds equipment and provides a lunch room and bathroom facilities for maintenance staff. The old roof is leaking, the trim is rotted and most of the exterior paint is failing. Due to the lack of funding many of these improvements for both buildings have been deferred and have become urgently needed.

Impact of Denial/Postponement: We will not be able to make the necessary repairs to these facilities to extend their useful life and protect these town's assets. The existing roof is leaking and further deterioration will compromise interior finishes and escalate repair costs. Deferred maintenance will require a larger capital investments in the future as inflation will continue to erode our purchasing power. We must invest in our enterprise fund assets if we are going to stay competitive with area courses and maintain memberships.

Project Cost Estimates: FY 2016

Design & Permitting	\$15,827
Construction	\$119,900
Construction Contingency	\$11,990
Project Management	\$6,595
Project Contingency	\$19,292
Total Project Cost	\$173,603

Basis for cost estimates: In house architect assisted estimate

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$173,603	Roof, trim and pilasters replacement / exterior painting
2017	\$79,500	Window and door replacement, HVAC improvements and new exterior lighting
2018	\$110,000	Maintenance barn roof replacement and replacement of two 1,000 gallon underground fuel tanks

Source of Funding: Golf Enterprise Fund Bond Issue

Operating Budget Impact now or in future: Energy savings will be realized from the replacement of existing windows and doors. Improved HVAC systems and insulation will reduce energy consumption.



Clubhouse Roof Trim



Clubhouse Roof

Project Working Title: HYANNIS GOLF FACILITIES IMPROVEMENTS**Project Location:** 1840 Hyannough Road (Route 132), Hyannis

Project Description: This project will consist of a phased approach to address a multitude of building maintenance deficiencies. The clubhouse roof is at the end of useful life and needs full replacement. This project will replace the existing asphalt roof, redesign the main entrance and improve handicap accessibility. Subsequent phases will include rebuilding the rear deck and stairs and replacing the balustrades to meet current code. The maintenance building roof will be replaced and the propane fired heating plant will be replaced with a high efficiency natural gas unit.

Project Justification: The existing clubhouse was constructed in the early 1980s and is desperate need of improvements. This building is the hub of the entire town golf operation and provides facilities for both club members and the general public. This facility houses a public restaurant, pro-shop, function room and large exterior deck. The maintenance building houses grounds equipment and provides a lunch room and bathroom facilities for staff. Due to lack of funding many of these improvements have been deferred and have become urgently needed.

Describe Work Previously Accomplished this Proposed Project: Design underway for ADA rest room renovations.

Impact of Denial/Postponement: The existing roof is leaking and further deterioration will compromise interior finishes and escalate repair costs.

Project Cost Estimates: FY 2016 Design & Permitting \$14,388
 Construction \$109,000
 Construction Contingency \$10,900
 Project Management \$5,995
 Total Project Cost \$140,283

Basis for cost estimates: In house architect assisted estimate

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$140,283	Clubhouse roof replacement, redesign of main entrance and improved handicap access.
2017	\$142,500	Rear deck improvements including replacement stairs, decking, code compliant improvements. Lower snack bar / outdoor patio, landscaping and enclosed waste storage for recycling and refuse.
2018	\$105,000	Maintenance building roof replacement, trim replacement and exterior painting. New natural gas service with heating plant upgrade.
2019	\$250,000	Parking lot expansion and associated landscape improvements.
2020	\$125,000	New cart barn.

Source of Funding: Golf Enterprise Fund Bond Issue

Operating Budget Impact now or in future: With renovations routine maintenance should be reduced.
Amount to be determined.



Hyannis Golf Clubhouse

Sandy Neck Enterprise Fund

ROJECT: CSD-16-1 SANDY NECK

DEPARTMENT PRIORITY: 1 of 1

Project Working Title: SANDY NECK BEACH PARK STABILIZATION

Project Location: Sandy Neck Beach Park, West Barnstable

Project Description: The existing dune continues to be unprotected against storm damage. Design and environmental permitting services are required for a soft solution for the immediate temporary repair of the dune edge to control erosion. This work will stabilize the current bank utilizing the installation of a bank reinforcement system.

Project Justification: The erosion along the dune edge has continued. In the Fall of 2014, the Town installed 4,300 cubic yards of emergency replacement sand to replace material eroded during the previous storms. This material cost \$90,000. In 2013, 5,500 cubic yards of material was purchased at a cost of \$119,250. This material is sacrificial, and 60% has disappeared during the winter 2014 storms. A more permanent solution is required but is beyond the scope of this CIP. This CIP will provide for installation of a 30 foot protective, temporary solution.

Describe Work Previously Accomplished this Proposed Project: Emergency work installed sacrificial sand to temporarily shore the dune. More than 60% was lost to erosion. This short term work will stabilize the dune and allow for time for a more permanent solution.

Impact Of Denial/Postponement: The dune edge will continue to erode and continue to undermine the existing parking lot releasing undesirable material onto the beach and result in loss of parking and \$175,000 enterprise revenue.

Project Cost Estimates: FY 2016 Construction \$300,000
Construction Contingency \$30,000
Project Management \$12,000
Project Contingency \$10,000
Total Project Cost \$352,000

Basis for cost estimates: Engineer assisted in-house estimate

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$352,000	Design. Permitting & Construction

Source of Funding: Sandy Neck Enterprise Fund Bond Issue

Operating Budget Impact now or in future: None at this time



Front Dune Erosion

Marina Enterprise Fund

PROJECT: CSD-16-1 MARINAS

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: GATEWAY MARINA DREDGE - DREDGING

Project Location: Hyannis Harbor, Hyannis

Project Description: This project involves the maintenance dredging of the Gateway Marina within Hyannis Harbor to depths of -10 and -6 feet below MLW depending on location (approximately 1,000 CY of sediment).

Project Justification: This dredging is important in order to maintain free access by low draft boats to the floats behind the Maritime Museum. Gateway Marina has experienced shoaling for several years and is now at the point where some of our slipholders and transient boaters are experiencing difficulties accessing the slips at mid to low tides. The Marina is at the end of Hyannis Inner Harbor where the flushing is poor and sediment tends to collect. Harbor staff has had to re-arrange some slip assignments because of this as well. As shoaling continues, more of the marina will become inaccessible and the Marina will have to operate at less than full capacity.

Describe Work Previously Accomplished this Proposed Project: Previous funding provided for the survey, design and permitting for this dredging project.

Impact of Denial/Postponement: The harbor will continue to fill with sediments and could completely close off access to the floats for recreational boating in the harbor area by the marina.

Project Cost Estimates: FY 2016 Construction \$220,000
Construction Contingency \$20,000
Project Management \$15,000
Project Contingency \$25,000
Total Project Cost \$280,000

Basis for cost estimates: Environmental engineering and in-house estimate

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$280,000	Dredging

Source of Funding: Marina Enterprise Fund Bond Issue

Operating Budget Impact now or in future: None

Project Working Title: PRINCE COVE MARINA BULKHEAD - CONSTRUCTION**Project Location:** Marina located off Prince Avenue, Marstons Mills**Project Description:** Repair of Existing Bulkhead structure, upgrade the lighting and upgrade the water supply services to the bulkhead**Project Justification:** The bulkhead has been identified as in need of repair. Concrete cracking and weakening is evident; the service life of this important water access feature needs to be extended.**Describe Work Previously Accomplished this Proposed Project:** Design completed December 2014**Impact of Denial/Postponement:** The bulkhead will deteriorate further risking potential collapse.

Project Cost Estimates: FY 2016 Construction \$471,000
 Construction Contingency \$47,100
 Construction Services \$25,905
 Project Contingency \$25,905
 Total Project Cost \$569,910

Basis for cost estimates: Town Engineer - Consultant analysis**Project Estimated Completion Date:** June 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$569,910	Construction

Source of Funding: Marina Enterprise Fund Bond Issue**Operating Budget Impact now or in future:** None. A newly constructed bulkhead will require minimal maintenance over its expected life of at least 25 years.

Project Working Title: HYANNIS HARBOR BULKHEAD STUDY & PRELIMINARY DESIGN

Project Location: Hyannis Harbor - adjacent to Ocean Street & Bismore Park

Project Description: Survey, analysis, planning and preliminary design of existing bulkhead structure, associated utilities and space needs associated with the bulkhead and its use, including finger piers and vehicle and pedestrian access. Consideration of "ocean rise" and increased storm activity are to be taken into consideration in the analysis. A "findings" report will be delivered to the Town.

Project Justification: This harbor area is the "hub" of marine activity in the Town of Barnstable. Considerable commercial fishing commerce and recreational activity depend on the docking and hence the bulkhead for livelihood and pleasure. Associated tourist attractions including artist shanties about the bulkhead. Restaurants and lodging houses abound in the vicinity and thousands of tourists visit the area annually. The bulkhead experienced a collapse in the 1990's and the reasonable life expectancy of those repairs is ending. Future planning for a multitude of activities depends upon a solid bulkhead and associated utilities.

Impact Of Denial/Postponement: The core of vitality of Hyannis waterfront will be jeopardized by any kind of failure at the harbor bulkhead. Time of year permitting restrictions as well as logical restrictions to construction activity in the summer season would mean great harm if a failure occurred in the summer. Restrictions upon the use of the bulkhead would affect commercial anglers, tourist trade and recreational users.

Project Cost Estimates: FY 2016 Design & Permitting \$150,000
Project Contingency \$7,500
Total Project Cost \$157,500

Basis for cost estimates: DPW -Engineering -comparison with other projects , discussions with consultants

Project Estimated Completion Date: July 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$157,500	Survey, analysis, planning & preliminary design

Source of Funding: Marina Enterprise Fund Bond Issue

Operating Budget Impact now or in future: None



Hyannis Harbor Marina

Community Services General Fund

PROJECT: CSD-16-12 COMMUNITY SERVICES

DEPARTMENT PRIORITY: 12 of 13

Project Working Title: JOSHUA'S POND SITE WORK - DESIGN & CONSTRUCTION

Project Location: Tower Hill Road, Osterville

Project Description: The project involves the design and construction of revised access to and layout of parking areas, improvements to the stormwater systems and landscaping.

Project Justification: Demand on the attraction of Joshua's Pond creates congestion and a safety hazard on Tower Hill Road with vehicles parking on a sharp bend in the road. The lack of parking and safe access on site discourages people from using the area. The pond environment will be benefited by the installation of state of the art stormwater systems.

Impact Of Denial/Postponement: Safety and convenience for users of the Joshua's Pond recreation area will continue to be compromised. Water quality at the pond will be threatened because of the lack of adequate stormwater systems.

Project Cost Estimates: FY 2016 Design & Permitting \$29,963
Construction \$226,993
Construction Contingency \$22,699
Construction Services \$12,485
Project Management \$12,485
Project Contingency \$12,485
Total Project Cost \$317,110

Basis for cost estimates: DPW Engineering

Project Estimated Completion Date: December 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$317,110	Design, Construction & Construction management

Source of Funding: Capital Trust Fund Bond Issue \$282,000 & Transfer from Closed Appropriations \$35,000

Operating Budget Impact now or in future: New construction will be mostly maintenance free. Existing maintenance effort will be expended.



Parking Area

Regulatory Services General Fund

PROJECT: RSD -16-1 CONSERVATION

DEPARTMENT PRIORITY: 1 of 3

Project Working Title: HAMBLIN POND ALUM TREATMENT

Project Location: Hamblin Pond bordering Burgess Park, Rt. 149, Marstons Mills

Project Description: Alum injection onto bottom sediments of Hamblin Pond to prevent devastating algae blooms

Project Justification: Hamblin Pond was last treated with alum in 1995, marking an important turn-around in the pond's water quality. After enjoying nearly 20 years of tremendous water clarity, our benefit from the 1995 treatment is waning rapidly and re-treatment is needed.

Describe Work Previously Accomplished this Proposed Project: Both diagnostic/feasibility (design) and alum treatment completed.

Impact of Denial/Postponement: Pond suffered through a severe algae bloom during much of the 2014 summer swim season, with the town beach being closed for weeks on end. More of the same can be expected unless the proposed re-treatment with alum occurs.

Project Cost Estimates: FY 2016 Construction \$300,000
Total Project Cost \$300,000

Basis for cost estimates: Prior experience with alum at Hamblin (1995) and Lovell's Ponds (2014)

Project Estimated Completion Date: Summer 2015, then summer monitoring in 2015 & 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$300,000	Alum treatment, mob-demob, monitoring

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: None. Just 16 hrs staff time for permitting; all other work contracted.



**Hamblin Pond (on left) during a severe algae bloom in 2013.
Things got worse in 2014.**

Project Working Title: HYDRILLA CONTROL

Project Location: Mystic Lake and Middle Pond, Marstons Mills and Long Pond, Centerville

Project Description: 2014 marked the 4th year of hydrilla control in Mystic Lake. After 12 years of effort, 2014 marked the 2nd consecutive year that hydrilla was absent from 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, and has more recently cropped up in Middle Pond, adjacent to Mystic Lake. The Town along with the Association. for the Preservation of Long Pond, the Indian Ponds Association and MA DCR are partnering in this effort to preserve the 3 affected ponds and to reduce the chance of hydrilla spread to other ponds in Barnstable. As a result of the team effort, hydrilla has been drastically reduced in Long Pond (perhaps even eradicated), and slowed in Mystic Lake and Middle Pond. Halting spread of the hydrilla in Mystic Lake has proven a challenge, however. For FY16, we anticipate using Sonar™ aquatic herbicide and supplementing the effort with bottom-screening, hand-pulling and diver-assisted suction harvesting.

Project Justification: Our efforts have resulted in drastic decline of hydrilla in Long Pond and the slowing of the expansion of hydrilla Mystic Lake and Middle Pond. In these cases, our efforts have discouraged its spread to other ponds. 2014 marked the 2nd consecutive year in which hydrilla went unobserved in Long Pond: we are hoping that it is eradicated, but are including it in the FY2016 budget should it reappear.

Describe Work Previously Accomplished this Proposed Project: Efforts to date have resulted in drastic decline of hydrilla in Long Pond and the slowing of the expansion of hydrilla in Mystic Lake. Our efforts have discouraged its spread to other ponds.

Impact Of Denial/Postponement: Take-over of subject ponds and other Town lakes & ponds by hydrilla, and a much greater cost of control.

Project Cost Estimates: FY 2016 Construction \$100,000
 Total 2016 Project Cost \$100,000

Basis for cost estimates: Prior experience with hydrilla control projects

Project Estimated Completion Date: December 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$100,000	hydrilla control
2017	\$100,000	hydrilla control
2018	\$100,000	hydrilla control
2019	\$100,000	hydrilla control
2020	\$100,000	hydrilla control

Source of Funding: Capital Trust Fund Reserves \$86,950 & Transfers from Closed Appropriations \$13,050

Operating Budget Impact now or in future: None. All work contracted.



2014 Middle Pond. Hydrilla is invading through the cut to Mystic Lake, in the background.

Administrative Services General Fund

PROJECT: ASD-16-2 ADMINISTRATION

DEPARTMENT PRIORITY: 2 of 2

Project Working Title: REMOVAL OF THREE PORTABLES AT FORMER MARSTONS MILLS ELEMENTARY SCHOOL

Project Location: 2095 Main Street, Marstons Mills

Project Description: The three (3) portable/modular structures located at the facility are joined to the main building by a covered hallway. These structures are in excess of twenty years old and have completely outlived their usefulness. As they sit and deteriorate due to insect infestation and neglect they have become a nuisance and continue to attract vandals. The space is not salvageable and they need to be removed. The project involves the permitting costs, labor costs and disposal fee to disconnect the utilities, demolish the structures, salvage and sort the recyclable materials and remove and dispose of the building. It also includes basic site work to clean up the area post-demolition.

Project Justification: The former elementary school was closed in 2009 by the Barnstable Public Schools during a major reconfiguration of the school district. At that time certain schools which would require extensive renovation to make them viable for school plans over the next three decades, coupled with a severe decline in the number of students attending the school district, led to the closure of this school. It was used for two years as a storage facility to support the surplus school furniture from the closure of four facilities across the district. During that time the school was heated and kept clean to avoid deterioration. The facility and the accompanying land were put out for lease through a Request for Proposal process two times by the school department. In 2012, the school committee declared the building surplus to their needs and transferred it to the Town Manager's control. A third RFP issued in 2014 resulted in a single proposal which is under consideration.

Impact of Denial/Postponement: The failure to remove these facilities will allow them to continue to decline. They no longer can be used. They will continue to become attractive to vandalism. Numerous broken windows and alarm calls have increased staff workload to respond to these acts of vandalism and to make repairs or to board up windows and doors. Having these structures remain in place increases the Town's liability and exposure to potential injury claims by the general public that still use the open space on the site. The declined structure also invites other kinds of unwanted activities at the location and gives the impression that the building is not being monitored. It could lead to increased vandalism to the actual school, which can be revitalized, even in its current condition.

Project Cost Estimates: FY 2016 Design & Permitting and Demolition \$ 50,000
Total Project Cost \$50,000

Basis for cost estimates: The cost estimates were provided based on the cost to tear down and dispose of other portables classrooms over the previous three years.

Project Estimated Completion Date: September 1, 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$50,000	Permit, demolish and dispose of three (3) structures

Source of Funding: Capital Trust Fund Reserves \$39,598 & Transfer from Closed Appropriations \$10,402

Operating Budget Impact now or in future: The elimination of these buildings reduces the potential for costs incurred in the future to respond to vandalism. It reduces liability which could impact insurance budgets in the future.



Portables at Marstons Mills Elementary School

School Department General Fund

PROJECT: SCH -16-1 FACILITIES

DEPARTMENT PRIORITY: 1 of 23

Project Working Title: BPS ELEMENTARY SCHOOL MODULAR CLASSROOM CONSTRUCTION

Project Location: Hyannis West Elementary Campus, 549 West Main St, Hyannis; Barnstable West Barnstable Elementary, 2463 Main Street, West Barnstable; Centerville Elementary School, 658 Bay Lane, Centerville.

Project Description: This is the second phase of our modular classroom project which is designed to replace outdated portable classrooms which are currently in use at HYW, BWB and Centerville.

Project Justification: The Barnstable Public School System has closed five schools over the last ten years. We are beginning to see an upsurge in elementary enrollment thus necessitating the need for additional quality and code compliant learning space. Currently we are using storage closets, stage, café and other common areas for libraries and learning spaces.

Describe Work Previously Accomplished this Proposed Project: Design is complete , bidding in progress.

Impact Of Denial/Postponement: Denial or postponement of this project would lead to additional overcrowding of existing space(s), non-code compliant learning space, safety/security issues and potential health issues.

Project Cost Estimates: FY 2016

Construction	\$3,484,000
Construction Services	\$50,000
Project Contingency	\$186,000
Total Project Cost	\$3,720,000

Basis for cost estimates: Engineering/Architect Estimates & MSBA Unit Costs.

Project Estimated Completion Date: September 2016

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$3,720,000	BWB Modular Classroom Improvements, 2 - 3 classrooms & library/media center; HYW improvements include 4 kindergarten classrooms, ELL Parent Center, OT/PT Speech related services.

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: Removal of existing portable classrooms would provide a positive impact on current facilities utilities and maintenance budget of approximately \$25,000 per year.



Typical Portable School Building



Typical Portable Classroom

Project Working Title: BARNSTABLE INTERMEDIATE SCHOOL FAÇADE & ROOF IMPROVEMENTS

Project Location: 895 Falmouth Road, Hyannis

Project Description: Extensive capital required (approximately \$4M) to fund costs originally identified in Gale Associates study (2009). Existing conditions study was performed by CBI in FY15 to physically verify suspect areas for completion of specifications and bid documents.

Project Justification: If not repaired building envelope will continue to deteriorate, allow leakage and create the opportunity for water damage and the potential for health and environmental quality issues.

Describe Work Previously Accomplished this Proposed Project: Completed existing conditions report, initiated work on rooftop units, preparation of bid documents and mockups.

Impact Of Denial/Postponement: Continued deterioration of facility will result in interior water damage, additional exterior problems and potential health and safety issues.

Project Cost Estimates: FY 2016

Design & Permitting	\$305,000
Construction	\$2,650,500 (incl contingency)
Project Management	\$132,500
Project Contingency	\$265,000
Total Project Cost	\$3,353,000

Basis for cost estimates: CBI, Gale and TOB Architect Cost Estimates

Project Estimated Completion Date: September 2017

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: Repairs to windows and façade will reduce energy costs by eliminating air and water infiltration areas.



Examples of Deterioration

Project Working Title: BCHMCPS Façade Improvements and Roof Replacement

Project Location: 165 Bearses's Way, Hyannis

Project Description: Provide exterior repairs including repointing, trim replacement, gutters, doors, downspouts and foundation. Replace existing sloped, ballasted and flat roofs.

Project Justification: Continued deterioration of building exterior is the cause of areas of increasing water/air infiltration. Additionally, failure of mortar joints and poured surfaces is allowing water penetration resulting in wall heaving and movement.

Impact Of Denial/Postponement: Denial or postponement of this project will result in additional deterioration which will cause continued interior water damage and structural damage to masonry walls. Additionally, failure to replace and repair trim work is causing a health hazard by offering shelter to birds and rodents.

Project Cost Estimates: FY 2016 Design & Permitting \$260,000

Basis for cost estimates: DPW engineering

Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$260,000	Design and Permitting for Roof Replacement and Façade Upgrades
2017	\$3,308,000	Construction

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: Increased building energy efficiency by repairing air and water leaks.



BCHMCPS Roof & Façade Replacement (Cracked Mortar, Bulging Wall)

Project Working Title: INFRASTRUCTURE IMPROVEMENT FOR THE BPS NETWORK: ACCESS TO INTERNET AND DIGITAL RESOURCES IN A MOBILE ENVIRONMENT**Project Locations:**

School Administration Building, 230 South Street, Hyannis
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
West Villages Elementary, 760 Osterville-West Barnstable Road, Marstons Mills

This project is in its final year of construction! The schools above are the remaining school buildings that need to be completed in Year 3 of this Town of Barnstable Capital Project.

Barnstable Intermediate School and Barnstable High School are completed; Barnstable United Elementary School is slated for late winter/spring installation in Year Two of this funding year. *Hyannis West Elementary School infrastructure has been upgraded with ERATE PRIORITY 2 funding. The project totaling \$139,000 (BPS cost share approximately \$14,000.00) included the installation and configuration of new switches in both the MDF and IDF closets, Cat 5 cabling throughout the entire building, and 20 Cisco enterprise wireless access points. Hyannis West was the first school to be completely upgraded with infrastructure improvements.

Project Description: In year three, this capital improvement project will continue to fund the final leg of construction of a managed, enterprise, and secured wireless network in the district to support the demand for increased connectivity of mobile devices, computers and other peripherals. The total requested project funding, spanned over three years, is for installation and configuration of the following:

300 Ruckus 7982, 3x3 MIMIO, 3 SS, Access Points (projected total for the project)
 Zone Manager, Controller, and redundant controller, for enterprise wireless solution
 Cat 6e cabling from switch to 300 access points, ceiling mounted for coverage and density
 Additional blades to existing switches/extra ports

Specifically the requested monies in Year 3 will complete the following:

Calculation of Cat6e cabling for purchase and projected number of access points for all of the remaining elementary schools and the School Administration Building (SAB). Installation of Cat6e cabling and patch panels for the remaining schools and SAB. This is the hard wiring required for wireless; buildings must be wired to be wireless! Installation and configuration of access points in the above schools and SAB.

Background and Significance of an enterprise wireless solution

There has been a mobile explosion across the globe; mobile devices are changing the face of education. In addition to mobile learning (anytime, anywhere), there are other pressures that districts across the nation are feeling regarding the demand for 'big bandwidth' and wireless access for the educational process. These state and national directives are as follows: Identified in the Mass Common Core curriculum standards identified/increased technology skills in content areas. PARCC (Partnership for Assessment of Readiness for College and Career), a national shift for online high stakes testing; we must prepare our schools to support wireless testing scenarios. Edwin online testing, Massachusetts Department of Elementary and Secondary Education, an online assessment system to deliver curriculum and assessment data to districts. Access to digital curriculum (no longer are textbooks needed!). With that said, Barnstable Public Schools has embraced mobile learning and is moving our 1:1 mobile learning project forward. Barnstable Public Schools have been

infusing technology (iPads) into the curriculum with a focus on grades 6, 7 and 8. It is our vision that every student in grades 7 -12 has access to that mobile technology in the near future.

Project Justification: The Town of Barnstable completed its construction on the Barnstable Fiber Optic Network (BFON) in October of 2013. Every municipal and school building is now connected with fiber optic cable and that project provided ONE high end switch in each of the main closets for each of the school buildings. Year one of this capital improvement project funded additional switches in the remaining IDF closets. All schools have been upgraded with direct access to the fiber built by Open Cape and managed by Cape Net. In addition, we now subscribe to synchronous bandwidth of 200 mb from Cape Net. With connections provided by Open Cape/Cape Net, we have configured 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 every day. Internet access is mission critical to our work.

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 digital resources on a daily basis. It is our obligation to educate our students to prepare them for the future, and to be college and career ready. 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 provide to the educational institution (fiber optic connections and big bandwidth), the town and school department now have 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. Chris 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."

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 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 to 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.

Describe Work Previously Accomplished this Proposed Project: Year One and Year Two of the Capital Improvement Project: (FY2014/FY 2015). The installation of the network equipment and single mode fiber optic cabling, in conjunction with the switches purchased by the town of Barnstable with BFON funding, is complete (after 12 years of waiting...it’s here!). The network infrastructure can now be described as a 10GB backbone between all network closets at all schools. This will offer 1GB of bandwidth to staff desktops, 1GB/PoE (Power over Ethernet) capability for enterprise class wireless. The funding of this capital improvement project in year one allowed upgrades to all switches of the Main Distribution Frame (MDF)

closets and Intermediate Distribution Frame (IDF) closets in eight schools which is required to maintain a robust network and support the next phase of the enterprise wireless.

Intensive research over the past two years was conducted in order to select a wireless product and vendor. Aeorhive, Meraki and Ruckus enterprise wireless solutions were thoroughly investigated. Wireless vendors were invited and presented products to a core focus group of the district technology team. Site visits to several different school systems were conducted to learn directly from the districts who have implemented the systems. Vendors/Contractors were interviewed in order to select the best qualified engineer and technicians for installation and configuration. Selection of Harbor Networks and Ruckus as the product of choice for BPS (State contract ITT 50) BPS school site visits and engineering plans for projected building projects

Those phases completed in this 3-year infrastructure upgrade are as follows:

- Town of Barnstable Fiber Optic Network (cabling) (town funded)
- Installation and configuration of Switches (MDF & IDF)
- Installation of fiber optic cable for internal connections within buildings (to connect closets with the 10 G connections)
- Direct connection to Open Cape backhaul (BHS); 200 mb synchronous connections through Cape Net
- Access to Internet II
- Calculation of Cat6e cabling for purchase and projected number of access points for Barnstable Intermediate School, Barnstable High School.
- Selection of vendor for installation of cat 6 cabling (prevailing wage): Massachusetts State Vendor: Ockers, Brockton MA
- Installation of Cat6e cabling and patch panels for Barnstable Intermediate School; BIS was identified as a priority school due to the 1:1 mobile project and rollout of grade 7 iPads for every grade 7 student.
- Installation and configuration of Ruckus Controller, Zone Manager, and approximately 60 access points at
- BIS. MA state vendor: Harbor Networks, Framingham, MA
- Installation of Cat6e cabling and patch panels for Barnstable High School.
- Installation and configuration of 108 access points in Barnstable High School.

The following projects are in process and slated for March 2015 completion:

- Calculation of Cat6e cabling for purchase and projected number of access points for Barnstable United Elementary School.
- Installation of Cat6e cabling and patch panels for Barnstable United Elementary School. This is the hard wiring required for wireless; buildings must be wired to be wireless!
- Installation and configuration of approximately 50 access points in Barnstable United Elementary School.

Impact Of Denial/Postponement: Technology tools should be ubiquitous in the educational process; it is a means to an end. We are obligated as a district in Massachusetts to infuse technology into the common core curriculum. The infrastructure and its various technologies, including wireless, should be reliable and dependable. Unfortunately, when students walk into Barnstable Public Schools, they ‘power down’. Mobile learning will change the face of education. If improvements do not continue to be supported, Barnstable Public Schools would be ignoring the recommendations of a 21st century learning environment and we would be putting our students at risk for failure in higher education or a successful career path. Without wireless access, we cannot offer our students a top notch education where technology infusion is everywhere. Furthermore, without wireless access, we will not be able to support the national drive for online testing. Increased bandwidth and wireless are key factors in successful online PARCC implementation.

Project Cost Estimates: FY 2016

Construction \$ 213,000

Basis for cost estimates: District core technology members and Harbor Networking members (sales and engineering) have been working closely to design and implement this project. Floor plans, heat maps, and physical walks of the entire buildings were reviewed to create a full and robust cost analysis of this project. We have, to the best of our abilities, identified all costs, including bracketing, 'construction'/cabling, installation, and engineering costs into the financial accounting.

Project Estimated Completion Date: October 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description</u>
2016	\$ 213,000	hardware, installation and configuration

Source of Funding: Capital Trust Fund Reserves \$168,584 & Transfer from Closed Appropriations \$44,416

Operating Budget Impact now or in future: The bandwidth usages will be monitored closely; it will be necessary that additional bandwidth will have to be purchased over time. Cape Net has been selected as BPS's Internet provider with Comcast free basic cable services acting as a redundant/failover service. This service is being purchased through CELT (Center for Educational Leadership) which is a vendor on the MA state contract system. An average monthly bill for 200 mb is approximately \$5,000.00 a month for Internet access. That cost is ERATE-able through the USAC funding for schools and libraries, and is based on a calculation on our free and reduced school lunch figures, which could possibly be in the final year of funding. . Erate regulations are changing and will affect the amount of ERATE reimbursement. Increased bandwidth can be increased by 100 megabit increments A program enhancement for increase will be presented in FY 16 budget requests.

Additionally, a program enhancement will be submitted through the budget process in December 2014 for FY 2016 operational budget to increase a service/maintenance contract for the enterprise wireless network (Harbor Networks).

If savings involved – explain basis: This project will have a significant impact on the BPS network services that we provide. Many of the services we offer historically had to be building-based due to current broadband speeds. We have begun to leverage the connectivity through the BFON and the opportunities that Open Cape offer; the district technology department services can now be streamlined to one base of operations. There is an economy of scale involved in management of the network.

For a specific example, the technology operational budget has reduced the number of Sonic Wall appliances and software licenses that are necessary to manage and filter the BPS network and Internet access; the fact that all buildings are now connected to the fiber network allows us to streamline the management and filtering of Internet access within one site at Barnstable High School. All Internet traffic travels from the school buildings, through the fiber (BFON), and exits through our Sonic wall (required for CIPA, Children's Internet Protection Act).

Additionally over time, with a robust wireless network, there will be some significant savings for electrical costs when the numbers of 1:1 mobile devices increase, and the computer labs become obsolete, in addition to saving space where computer labs would historically been housed.

Project Working Title: BARNSTABLE HIGH SCHOOL & MIDDLE SCHOOL BOILER UPGRADES

Project Location: 744 West Main St/895 Falmouth Road, Hyannis

Project Description: Replace "Cleaver Brooks" boiler, motor and damper burner control units on five main boiler units.

Project Justification: Current systems are obsolete (1998/2000 vintage) and have been subject to continuous failure, becoming unreliable during the winter heating system.

Impact of Denial/Postponement: Denial or postponement of request could jeopardize ability to adequately heat buildings during winter season leading to costly freezeups and cancellation of schools. Additionally, the BIS campus is a designated Red Cross Shelter, loss of heat in this facility would render space useless as a shelter.

Project Cost Estimates: FY 2016 Construction \$350,000
Total Project Cost \$350,000

Basis for cost estimates: Vendor quotes

Project Estimated Completion Date: September 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$350,000	Replace boiler, motor and burner control units on 5 main units
2018	\$500,000	Additional pump/boiler upgrades (District Wide)
2019	\$500,000	Additional pump/boiler upgrades (District Wide)
2020	\$500,000	Additional pump/boiler upgrades (District Wide)

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: Expect 8% annual savings on heating costs.



High School and Middle School Boilers

Project Working Title: WEST VILLAGES ELEMENTARY AIR CONDITIONING REPLACEMENT

Project Location: 760 Osterville-West Barnstable Road, Marstons Mills

Project Description: Replace existing water chiller and cooling tower with new high efficiency system.

Project Justification: Existing system is becoming unreliable and at end of life. Chiller heat exchanger tubes are rusting out and causing flow problems and system failure. Water tower is also deteriorating and failing.

Impact Of Denial/Postponement: Denial or postponement of this request will lead to eventual total failure of system and leave entire building without any source of cooling capability.

Project Cost Estimates: FY 2016 Construction \$250,000
Total Project Cost \$250,000

Basis for cost estimates: Vendor Quotes

Project Estimated Completion Date: September 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$250,000	Replacement of WVE Chiller & Cooling Tower

Source of Funding: Capital Trust Fund Bond Issue

Operating Budget Impact now or in future: Replacement of current system will provide energy cost savings for cooling of building.



Cooling Unit

Project Working Title: BARNSTABLE INTERMEDIATE SCHOOL COGEN

Project Location: 895 Iyannough Road (Route 28), Hyannis

Project Description: Working through the Massachusetts Department of Energy Resources (DOER) a Grant funded 150Kilowatt Reciprocating Combustion Cogeneration plant to be installed at the Barnstable Intermediate School. This major electricity producing plant provides on- site standalone electricity to power the school in the event of a power failure. Because this facility is the Town wide shelter for the general public as well as the building for the sixth and seventh grades the CoGen will provide financial relief to the school department in the form of reduced costs for utilities, and will provide backup power during a power outage for the Town wide shelter. The School department will be seeking a 90% construction grant from the DOER and will be obligated to provide a 10% contribution to the project. Half of that contribution can be in-kind using school staff electrician and plumbers as well as project management services.

A Phase I study grant was sought and awarded to the School Department to have the feasibility of a 150KW CoGen plant installed at the Barnstable Intermediate School. DOER awarded the phase I grant which consisted of no cost design and study assistance from Cadmus group to look at the power needs, and to reaffirm a study that was done several years ago identify the size and output for the school.

During a power outage it is estimated that 90% of the building load could be produced on site between the Cogen plant and the On-site generator. The Cogen or Combined heat and Power plant (CHP) will also produce 43% of the heating load and 48% of the regular electricity load when school is in session.,

Cogeneration technology starts as a large onsite electricity production plant (generator). The combustion process, using natural gas, produces waste heat which is normally vented out the exhaust stack. The CoGen plant captures this waste heat which is transferred back into the school to assist the boilers in producing hot water for building heating. A portion of this captured waste heat will also be used to produce domestic hot water for the bathrooms and showers. In addition, a jacket surrounding the actual engine removes the heat from the engine block to collect additional waste heat and to cool the engine. This heat is also put back into the building operation. Every therm of heat energy brought back into the building is less energy that needs to be produced by the boilers and hot water heaters saving the school money on the heating plant, all while producing electricity for the school onsite at a lower price than purchasing electricity from the grid.

Project Justification (why needed):The design of this CoGen plant, which is different than the CoGen plant that has operated at the Barnstable High School for seven years, allows it to operate when the electricity grid power is down. It becomes a stand-alone independent generator that will power the Building providing life support systems of heat, hot water and limited electricity for the building. The Barnstable Intermediate school serves as a regional shelter and is one of the few shelters that can accommodate pets during a wide spread emergency and power failure. Because it can operate as a stand-alone generator, it can serve the public even when there is a wide spread power outage.

This kind of infrastructure technology allows the school department to better manage energy production and consumption at one of its largest education sites. By putting in a system like this, energy is [produced on site, and the budget for the operation is controlled by the district. The nature of the technology by using the waste heat will produce budget savings on site and security of the assets during a power outage.

Impact Of Denial/Postponement: The Barnstable Public Schools will lose out on the possibility of receiving a 90% construction grant from DOER to fund the construction of the plant. This kind of technology installation is part of the ongoing management of the utility budget line.

in FY16 for all municipal electric accounts) this school would see an anticipated budget of \$240,000 for electricity if FY16. With the CoGen in place producing electricity at .127 per KWH and a 48% reduction in purchased electricity from the grid it is expected that the reduction of electricity purchased, factoring operating costs of the Cogen plant would save the school department almost \$13,000 per year in utility costs.

The cost to operate the Cogen plant consists of two components: Fuel costs (natural Gas) and maintenance cost (based on a fee per hour of run time). There would be two additional budget lines to be included in the BIS school budget line.

- Additional gas costs are expected to be \$92,000 based on current natural gas contract direct with supplier managed by Chief procurement officer for Town and School
- Maintenance costs (assumes \$6 per hour for all requirements service contract) will be \$47,250 assuming 22 hours per day operation (conservative estimate averaged over one month assuming one service day per month) at an output value of \$.127 per KWH. This includes a factor of .0429 for the value of the Therms or heat that is brought back into the school. This would be realized in a reduction in the budget line for natural gas for the boilers and hot water heaters.



CoGen Installation at the High School

Airport Enterprise Fund

PROJECT: AIR-16 -1 AIRPORT

DEPARTMENT PRIORITY: 1 of 17

Project Working Title: RECONSTRUCT TAXIWAY CHARLIE AND A PORTION OF TAXIWAY DELTA

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 taxiways Charlie and a portion of Delta, and its aircraft run-up area.

Project Justification: The reconstruction project will allow taxiways Charlie, and a portion of Delta, and the aircraft run-up area to be reconstructed 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 taxiways Charlie, and a portion of Delta, and the aircraft run-up area must be completely reconstructed in order to comply with FAA Part 77 airspace restrictions and terminal instrument procedures (TERPS) criteria. New FAA guidance has mandated the required changes. In June of 2013, the MassDOT Aeronautics Division completed a statewide pavement management report that shows Taxiways Charlie (C) and Delta (D) as having a pavement condition index (PCI) of 60 to 65 depending upon location, with 0 being the worst condition, to 100 being the best condition. A PCI of 55 to 70 requires complete major rehabilitation.

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: FY2016 Construction: \$3,400,000
Project Management \$400,000
Total Project Cost \$3,800,000

Basis for Cost Estimates: Prior construction projects, engineering consultant scope and fee estimates, independent fee estimate, FAA and MassDOT consultations, etc.

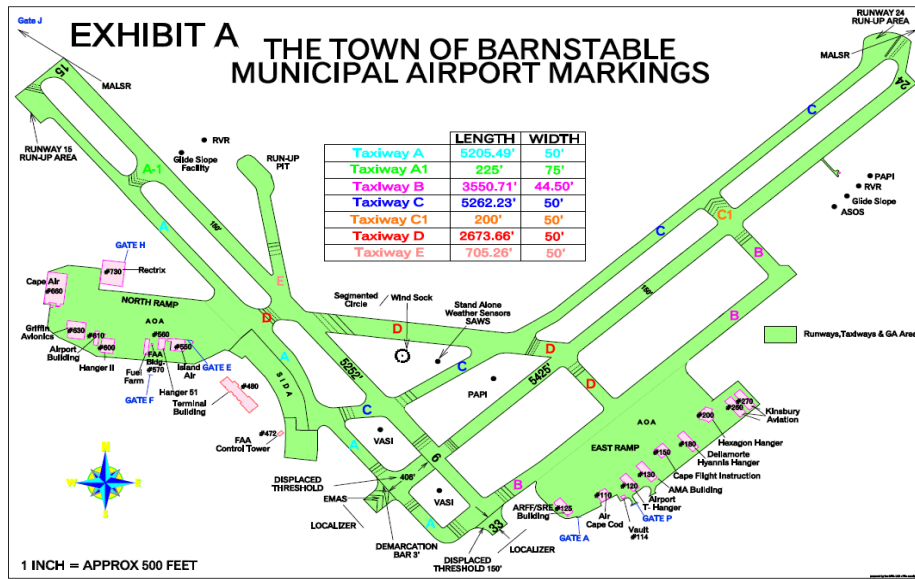
Project Estimated Completion Date: 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$3,800,000	Construction

Source of Funding: Reimbursable Funding by FAA (AIP and Discretionary 90%), MassDOT AD (5%), and local share (5%) Airport Enterprise Funds.

Operating Budget Impact: None. Routine maintenance would stay the same. Savings to be derived from use of LED taxiway lights is yet to be determined.



Project Working Title: REPLACE SNOW REMOVAL EQUIPMENT (KODIAK SNOW BLOWER AND DUMP TRUCK WITH PLOW AND SANDER)

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. This project is to replace a 1998 Kodiak Diesel 4x4 Snow Blower and a 1995 Ford L-8000 Heavy Duty Dump Truck with Plow and Sander.

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.

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: FY2016 \$900,000 Kodiak 4x4 Snow Blower
 \$175,000 Dump Truck (with plow and sander)
 Total Project Cost \$1,075,000

Basis for Cost Estimates: Recent similar purchases, State Bid List, FAA acquisitions, etc.

Project Estimated Completion Date: CY2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,075,000	Replace: 1998 Kodiak Diesel Snow Blower and 1995 Ford Dump Truck with plow and sander

Source of Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; and local share (5%) Airport Enterprise Funds

Operating Budget Impact: None. Replacement Vehicles. mission and usage remains the same. Any savings derived by new equipment would be available to maintain remainder of deteriorating ARFF and SRE vehicles.



Kodiak



Dump Truck

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 and vault located near Gate Papa (P) 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: FY2016 Design & Permitting \$5,000
 Construction: \$85,000
 Total Project Cost \$90,000

Basis for Cost Estimates: Recent similar purchases, State Bid List, FAA acquisitions, etc.

Project Estimated Completion Date: 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$90,000	Design and replace

Source of Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; and local share (5%) Airport Enterprise Funds

Operating Budget Impact: None. Replacement emergency generator and fuel tank. Mission and usage remains the same. Any savings derived by new equipment would be available to maintain remainder of airport continuing maintenance requirements.

Airfield Emergency Generator



Project Working Title: HANGAR 2 DRAINAGE IMPROVEMENTS**Project Location:** 480 Barnstable Road, Hyannis

Project Description: Design and install corrective ramp stormwater and roof drainage run-off for the circa 1980 Airport-owned Hangar 2 on the North Ramp. The so-called Hangar 2 is owned by the Airport, but is leased to Hyannis Air Service (dba Cape Air). The existing hangar roof drainage and the north ramp storm water run-off drains toward the Hangar and causes frequent main floor flooding during heavy weather. The proposed drainage project should fix the problem for the foreseeable future.

Project Justification: Hangar 2 has had a continuing “flooding” problem since it was originally constructed at grade level with apparently little thought as to the effects of storm water run-off from the adjacent access road and the North Ramp. The Airport and Cape Air have been gradually repairing different aspects of the flooding problem surrounding the hangar. During the construction of the new access road, road drainage was corrected to prevent roadway drainage from affecting the hangar. Roof drains were installed and the roof repaired by Cape Air. Unfortunately, more drainage repairs are needed to prevent further flooding and interior building damage. Berms, and sand bags have helped but it has not fixed the underlying problem. Short term fixes using additional catch basins is not the answer. By installing “trench” drains around the hangar exterior to catch roof drain run-off, and to stop north ramp run-off before it gets to the building, and then rerouting the storm water run-off into our airport storm water conveyance system is the correct fix to the problem. This system will also be tied into the drainage pipes being replaced during the adjacent fuel farm construction project. Cape Air recently installed a million dollar flight simulator on the main hangar floor and installed an interior berm around the facility to prevent damage. We need to fix the underlying problems and stop the ineffective band-aid approach.

Impact Of Denial/Postponement: Impact of denial will allow the hangar to continue to deteriorate and cause damage to interior finished space and potentially affect further expansion and aviation training facilities in the Hangar. This will also result in the loss of viable rental space; will further decrease potential BMA revenues; and will prevent the BMA from meeting the demands of airport users.

Project Cost Estimates: FY2016 Design & Permitting \$25,000
 Construction: \$100,000
 Total Project Cost \$125,000

Basis for Cost Estimates: Prior construction projects, engineering consultant estimates, contractor change order estimates, FAA and MassDOT consultations, etc.

Project Estimated Completion Date: 2015**Project Cost/Description FY 2016 and Follow-On Years:**

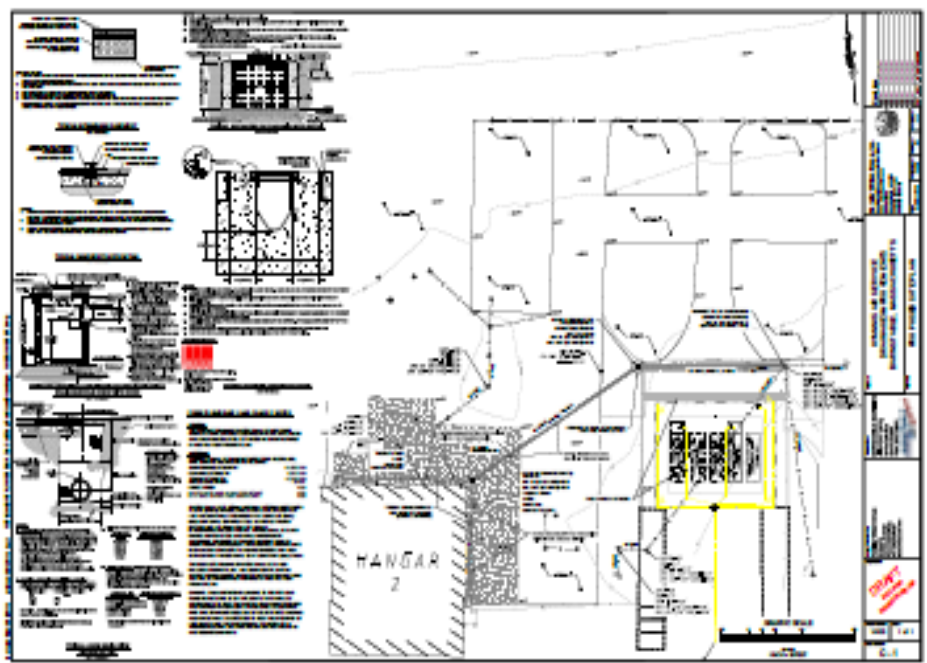
<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$125,000	Design and construct

Source of Funding: Reimbursable funding from MassDOT ASMP (80%) and Airport Enterprise Funds (20%).

Operating Budget Impact: New drainage system. Minimal impact on operating budget.



Hangar 2



Drainage Plan

Project Working Title: DESIGN & CONSTRUCT PHASE 2 AIRPORT ACCESS ROAD ON EAST SIDE OF AIRFIELD**Project Location:** 480 Barnstable Road, Hyannis

Project Description: The proposed two phase project will provide an Airport Access Road on the East side of the airfield from the current Gate Mike (M) to the limit of future growth in this area and to existing buildings located on the East Ramp. Phase 1 of the project is extending the access road and security fence to the north side of the northernmost existing hangar site to accommodate a new Cape Cod Community College (4C's) Airframe & Power Plant (A&P) School. Phase 2 of the project will extend the access road, security fence and utilities to the limit of future growth in the area. The overall 2-phased project will include the installation of approximately 2,500 linear feet of pavement and security fence in two approximately equal phases. Phase 1 incorporates existing utilities, and Phase 2 will require the extension of utilities to serve potential future hangar buildings as may be permitted.

Project Justification: Phase 1 of the proposed project provides access and security requirements for the use and redevelopment of two existing aircraft storage hangars to accommodate the 4C's A&P School program on the site that will start classes in September 2015. Completion of the 2-phase proposed project will be in concert and compliance with the pending completion of the Development Agreement between the Airport and the Cape Cod Commission, and the pending Airport Master Plan. The new 4C's proposed A&P School program will remain in compliance with the Airport cap on allowed hazardous materials and be in consonance with concerns expressed by the Town of Barnstable Growth Management Department and Water Department.

The success of the 4C's program will positively affect growth in the area, local businesses, and will in and of itself assist with the attraction of other aviation related activities to the region that would either benefit from or assist with the program itself; and provide the opportunity for further airport development to assist the Airport Commission's stated goal to increase and diversify revenue potential.

Work Accomplished Prior Project: Design, permitting and bidding will be completed spring of 2015 and construction will be completed by August 2015. Depending upon bids received, additional funding may be requested to complete Phase 1.

Impact of Denial/Postponement: Future growth on the East Ramp and the Airport's ability to attract new aviation business and revenues will be hindered. Failure to provide these improvements may negatively affect the potential success of the 4C's A&P School. Completion of the proposed project is a key element in realizing future growth opportunities on the East Ramp and its failure to proceed may hinder regional economic growth.

Project Cost Estimates: FY2016 Design & Permitting \$98,000
Construction: \$460,000
Project Management \$102,000
Total Project Cost \$660,000

Basis for Cost Estimate: Prior construction projects, engineering consultant estimates, DPW estimates, and FAA and MassDOT consultations, etc.

Project Estimated Completion Date: 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$660,000	Permitting, Design and Phase 2 Construction

Source of Funding: Reimbursable funding from Mass DOT ASMP (80%) and Airport Enterprise Funds (20%). Potential betterments, impact fees, user fees, development fees, connection fees, and so forth, to be developed.

Operating Budget Impact: Minimal additional line painting, snow plowing and routine maintenance for road extension. Long range (20 years) replacement. Can be accomplished with existing resources.



East Side Access Road

Project Working Title: REPLACE AIRFIELD EQUIPMENT AND VEHICLES**Project Location:** 480 Barnstable Road, Hyannis**Project Description:** The Airfield Equipment being replaced in FY2016 includes the aircraft DAVCO Ground Power Unit (GPU) and the 2000 New Holland Tractor with Mower Deck; and in FY2018 - the Maintenance Shop Air Compressor. All items will have reached the end of their useful life and must be replaced.**Project Justification:** Airfield equipment and vehicles periodically need to be replaced as they reach the end of their useful life; and these items are not eligible for FAA Airport Improvement Program (AIP) grant funding; however the tractor with mower deck may be eligible for MassDOT Aeronautics Division Airport Safety and Maintenance Program (ASMP) grant funding. The aircraft Ground Power Unit (GPU) is used by transient aircraft to provide power to the aircraft when parked on the ramp; and the maintenance shop Air Compressor is used for a multitude of equipment necessary to run maintenance operations. The tractor and mower deck is used to mow and maintain several hundred acres of vegetation at the airport to maintain the field as required by FAA FAR Part 139 for mandated airport certification requirements and for wildlife management purposes.**Impact Of Denial/Postponement:** To deny or postpone funding for the Ground Power Unit, we will not be able to assist aircraft with their ground power requirements, which will increase the use of aircraft auxiliary power units (if available) and will increase airport noise and decrease our ability to service aircraft; without the air compressor, we will be unable to repair or service our equipment and will inhibit our ability to meet FAA FAR Part 139 requirements and a host of maintenance and operations requirements; and if the mower is not replaced we will again be unable to comply with FAA mandated vegetation management practices that will affect flight safety.**Project Cost Estimates:** FY2016 Acquisition: \$97,000 (Tractor with Mower Deck)
\$65,000 (Ground Power Unit)
Total FY 2016 Cost \$162,000**Basis for Cost Estimates:** Recent similar purchases, State Bid List, FAA acquisitions, etc.**Project Estimated Completion Date:** 2016 and 2018**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$162,000	Replace tractor and mower deck and GPU
2018	\$50,000	Replace Air Compressor

Source of Funding: MassDOT ASMP funds at 80% with 20% Airport Enterprise Fund for FY2016 for the Tractor with mower (\$97,000). Airport Enterprise funds at 100% in FY2016 for the GPU (\$65,000) and again in FY2018 for the Air Compressor (\$50,000)**Operating Budget Impact:** None. Any savings derived by new equipment would be available to maintain remainder of deteriorating ARFF and SRE vehicles.



Tractor



Mower

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PART VI – 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 absorb.

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 the bond issue for the Barnstable Harbor Marina bulkhead replacement.

The FY16 general fund Capital Improvements 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 balances remaining in appropriations from completed projects. This "pay-as-you-go" financing approach saves the Town thousands of dollars in the form of bond issuance and interest cost. It also provides the opportunity to have some capital program on an annual basis, and provides flexibility within the budget. 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 with an amortization period of 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 \$8 million in FY16. 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. In FY13, an additional \$7 million was transferred from the general fund reserves so as to provide for a greater level of capital funding over the next five years and another \$4 million is anticipated by the end of FY15.

Table A on page 89 illustrates the CTF cash flow for the next 10 years incorporating all existing loan payments and the FY16 proposed capital improvements 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 1.5% per year;
- The transfer from the general fund will increase 2.5% per year;
- Loan amortization on the FY16 bond issue will include:
 - \$400,000 over 5 years,
 - \$2,724,000 over 10 years,
 - \$2,027,000 over 15 years,
 - \$7,688,000 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;
- The FY16 bonds will be issued at a time so that the first loan payments will not be made until FY17;
- There are no savings from bond refinancing included in the projection;
- Barnstable Shooting Range (Place holder) revitalization \$2,000,000 annually for 3 years;
- 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; and
- The funding for the public roads program of \$3.25 million is repeated every year for the next 10 years.

Major Assumptions Used In Table B:

In addition to all of the assumptions in Table A, bond issues ranging from \$2 to \$9 million per year are included for the FY17 through FY25 capital program with the following amortization amounts:

- \$2,157,000 over 5 years
- \$9,836,000 over 10 years
- \$15,607,000 over 15 years
- \$15,824,000 over 20 years

TABLE A – Estimated Capital Trust Fund Cash Flow FY 2016 – FY 2025

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
1 Beginning Trust Fund Balance	\$ 14,630,457	\$ 13,613,237	\$ 12,407,432	\$ 12,651,721	\$ 12,186,321	\$ 12,475,995	\$ 13,535,403	\$ 16,389,092	\$ 18,853,884	\$ 22,115,095
Resources:										
2 Investment Earnings	219,457	204,199	186,111	189,776	182,795	187,140	203,031	245,836	282,808	331,726
3 Private Road Betterments Collected	85,000	80,000	75,000	70,000	65,000	60,000	55,000	50,000	45,000	40,000
4 Transfer From General Fund	8,043,646	8,231,723	8,424,485	8,622,050	8,824,537	9,032,069	9,244,773	9,462,777	9,686,214	9,915,220
5 Additional Contribution From General Fund	-	-	1,000,000	-	-	-	1,000,000	-	-	-
6 Total Current Year Resources	8,348,103	8,515,922	9,685,596	8,881,826	9,072,332	9,279,209	10,502,804	9,758,613	10,014,022	10,286,946
7 Total Available Resources	22,978,560	22,129,159	22,093,028	21,533,546	21,258,653	21,755,203	24,038,207	26,147,705	28,867,907	32,402,041
Commitments:										
8 Existing Debt Service Payments	(5,535,491)	(4,967,819)	(4,670,198)	(4,389,914)	(4,055,145)	(3,614,086)	(3,094,000)	(2,890,484)	(2,371,253)	(1,764,187)
9 Estimated Debt Service on FY16 CIP (\$10.8m)		(1,192,908)	(1,171,110)	(1,149,312)	(1,127,513)	(1,105,715)	(1,025,115)	(1,003,337)	(981,559)	(975,039)
10 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)
11 Other Cash Program	(579,832)	(311,000)	(350,000)	(558,000)	(350,000)	(250,000)	(280,000)	(150,000)	(150,000)	(150,000)
12 Total Current Year Commitments	(9,365,323)	(9,721,727)	(9,441,308)	(9,347,226)	(8,782,658)	(8,219,801)	(7,649,115)	(7,293,821)	(6,752,812)	(6,139,226)
13 Increase (Decrease) in Trust Fund	(1,017,220)	(1,205,806)	244,289	(465,400)	289,674	1,059,408	2,853,689	2,464,793	3,261,211	4,147,720
14 Ending Trust Fund Balance	\$ 13,613,237	\$ 12,407,432	\$ 12,651,721	\$ 12,186,321	\$ 12,475,995	\$ 13,535,403	\$ 16,389,092	\$ 18,853,884	\$ 22,115,095	\$ 26,262,815
15 % of trust fund resources committed in CY (max = 80%)	41%	45%	44%	45%	43%	39%	33%	29%	24%	20%

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 FY16. Cash funded projects in FY16 total \$3,829,832 and bond funded projects total \$10.8 million. The bonds will be issued in FY16 and the first estimated loan payment of \$1,192,908 is anticipated to be made in FY17 as illustrated above on line 9. Line 8 in the table above includes all existing loan payments. Lines 10 and 11 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 FY18 and FY22 are included on lines 5. The projected balance in the fund begins to grow in FY18 and beyond indicating that that the fund can absorb more annual loan payments which will allow for more bond issues beyond FY16 to fund additional capital expenditures.

TABLE B – Capital Trust Fund Estimated Capacity For The Next 10 Years

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
1 Beginning Trust Fund Balance	\$ 14,630,457	\$ 13,613,237	\$ 12,407,432	\$ 11,702,921	\$ 9,559,385	\$ 7,634,443	\$ 6,076,819	\$ 5,948,962	\$ 4,867,248	\$ 4,320,823
Resources:										
2 Investment Earnings	219,457	204,199	186,111	175,544	143,391	114,517	91,152	89,234	73,009	64,812
3 Private Road Betterments Collected	85,000	80,000	75,000	70,000	65,000	60,000	55,000	50,000	45,000	40,000
4 Transfer From General Fund	8,043,646	8,231,723	8,424,485	8,622,050	8,824,537	9,032,069	9,244,773	9,462,777	9,686,214	9,915,220
5 Additional Contribution From General Fund	-	-	1,000,000	-	-	-	1,000,000	-	-	-
6 Total Current Year Resources	8,348,103	8,515,922	9,685,596	8,867,594	9,032,928	9,206,586	10,390,925	9,602,011	9,804,223	10,020,032
7 Total Available Resources	22,978,560	22,129,159	22,093,028	20,570,514	18,592,313	16,841,029	16,467,744	15,550,973	14,671,471	14,340,855
Commitments:										
8 Existing Debt Service Payments	(5,535,491)	(4,967,819)	(4,670,198)	(4,389,914)	(4,055,145)	(3,614,086)	(3,094,000)	(2,890,484)	(2,371,253)	(1,764,187)
9a Estimated Debt Service on FY16 CIP (\$10.8m)		(1,192,908)	(1,171,110)	(1,149,312)	(1,127,513)	(1,105,715)	(1,025,115)	(1,003,337)	(981,559)	(975,039)
9b Estimated Debt Service on FY17 CIP (\$9.2m)			(948,800)	(930,870)	(912,940)	(895,010)	(877,080)	(811,745)	(793,716)	(775,687)
9c Estimated Debt Service on FY18 CIP (\$6.6m)				(733,033)	(718,855)	(704,677)	(690,498)	(676,320)	(608,243)	(594,390)
9d Estimated Debt Service on FY19 CIP (\$5.4m)					(543,417)	(533,231)	(523,046)	(512,860)	(502,675)	(435,997)
9e Estimated Debt Service on FY20 CIP (\$3.8m)						(411,492)	(403,585)	(395,678)	(387,772)	(379,865)
9f Estimated Debt Service on FY21 CIP (\$3.6m)							(375,458)	(368,350)	(361,242)	(354,133)
9g Estimated Debt Service on FY22 CIP (\$6.6m)								(624,950)	(613,456)	(601,963)
9h Estimated Debt Service on FY23 CIP (\$3.6m)									(330,733)	(324,720)
9i Estimated Debt Service on FY24 CIP (\$2.4m)										(213,858)
9j Estimated Debt Service on FY25 CIP (\$2.0m)										
10 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)
11 Other Cash Program	(579,832)	(311,000)	(350,000)	(558,000)	(350,000)	(250,000)	(280,000)	(150,000)	(150,000)	(150,000)
12 Total Current Year Commitments	(9,365,323)	(9,721,727)	(10,390,108)	(11,011,129)	(10,957,870)	(10,764,210)	(10,518,783)	(10,683,725)	(10,350,648)	(9,819,839)
13 Increase (Decrease) in Trust Fund	(1,017,220)	(1,205,806)	(704,511)	(2,143,535)	(1,924,942)	(1,557,625)	(127,857)	(1,081,713)	(546,425)	200,194
14 Ending Trust Fund Balance	\$ 13,613,237	\$ 12,407,432	\$ 11,702,921	\$ 9,559,385	\$ 7,634,443	\$ 6,076,819	\$ 5,948,962	\$ 4,867,248	\$ 4,320,823	\$ 4,521,017
15 % of trust fund resources committed in CY (max = 80%)	41%	45%	48%	55%	62%	67%	68%	74%	77%	75%

Including the proposed FY16 capital program, it is estimated the Capital Trust Fund can absorb approximately \$90 million in capital expenditures over the next 10 years and stay within the maximum allowable commitment of 80% as shown on line 15. Cash financed capital is estimated at \$36 million as illustrated on lines 10 and 11. Bond financed capital is estimated a \$54 million through FY25. The estimated annual loan payments on the bonds are illustrated on lines 9a through 9j.

TABLE C – Capital Trust Fund Debt Amortization Schedule

DEBT SERVICE PROGRAM	Issue	Maturity	Original	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments
Purpose	Date	Date	Amount	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
CTF Police Station Construction (I) Subseq Refunded Bonds	06/15/05	06/15/25	400,000	25,452	25,313	23,783	23,130	22,320	21,600	20,880	20,160	19,440	18,720	
CTF Public Wharves-Dredging-Refunded	02/15/07	02/15/15	155,800	-	-	-	-	-	-	-	-	-	-	
CTF School Facilities Repair	02/15/07	02/15/17	339,000	32,400	31,200	-	-	-	-	-	-	-	-	
CTF BHS Cogeneration	02/15/07	02/15/17	500,000	54,000	52,000	-	-	-	-	-	-	-	-	
CTF Old Town Hall Phase II (I)	02/15/07	02/15/17	295,000	32,200	26,000	-	-	-	-	-	-	-	-	
CTF Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	85,990	82,990	79,790	26,250	-	-	-	-	-	-	
CTF School Upgrades 1 Subseq Refunded Bonds	02/15/07	02/15/22	360,000	31,321	30,427	28,127	27,360	21,280	20,520	19,760	-	-	-	
CTF School Facilities Repair & Improvement Subseq Refunded Bonds	02/15/07	02/15/22	660,000	57,586	55,190	51,390	49,455	42,520	41,000	38,480	-	-	-	
CTF Beach Facilities Subseq Refunded Bonds	02/15/07	02/15/22	270,000	24,603	18,585	17,985	16,310	15,680	15,120	14,560	-	-	-	
CTF Land Acquisition - Hyannis Golf Course Subseq Refunded Bonds	02/15/07	02/15/26	748,000	56,388	54,665	52,065	49,310	47,600	46,080	44,560	43,040	35,520	34,240	
CTF School Health & Safety Improvements Subseq Refunded Bonds	02/15/07	02/15/26	478,000	35,135	33,780	31,780	30,700	29,620	28,660	27,700	21,740	19,980	19,260	
CTF MME Roof Replacement Subseq Refunded Bonds	02/15/07	02/15/26	750,000	56,295	54,856	52,056	49,510	47,800	46,280	44,760	43,240	40,720	34,240	
CTF School Upgrades 2 Subseq Refunded Bonds	02/15/07	02/15/27	150,000	12,591	12,266	6,766	6,645	6,420	6,220	6,020	5,820	5,620	4,920	
CTF BHMCS Roof Subseq Refunded Bonds	02/15/07	02/15/27	910,000	65,092	63,481	60,581	57,705	55,770	54,050	52,330	50,610	48,890	46,170	
CTF Senior Center - Garden Level Subseq Refunded Bonds	02/15/07	02/15/27	457,000	34,226	33,635	31,635	25,555	24,700	23,940	23,180	22,420	21,660	20,900	
CTF Town Building Repairs & Renovations Subseq Refunded Bonds	02/15/07	02/15/27	685,000	50,713	48,870	46,470	44,940	43,410	41,050	39,730	38,410	37,090	30,770	
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	33,999	33,999	33,999	33,999	33,999	33,999	-	-	-	-	
CTF Coastal Water Quality Improvements	06/15/08	06/15/18	250,000	27,120	26,040	25,140	-	-	-	-	-	-	-	
CTF Lake & Pond Improvements	06/15/08	06/15/18	250,000	27,120	26,040	25,140	-	-	-	-	-	-	-	
CTF Land Acquisition - CAP	06/15/08	06/15/23	365,200	32,010	30,930	30,030	28,890	27,930	26,970	26,010	25,020	-	-	
CTF Private Road Repairs	06/15/08	06/15/23	1,607,900	142,711	137,896	133,884	128,801	124,521	120,241	115,961	111,548	-	-	
CTF Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	13,338	12,888	12,513	12,038	11,638	11,238	10,838	10,425	-	-	
CTF Bismore Park Visitor Center	06/15/08	06/15/23	465,000	41,346	39,951	38,789	37,316	36,076	34,836	33,596	32,318	-	-	
CTF Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978	-	-	
CTF Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978	-	-	
CTF Boat Ramps - CAP	06/15/08	06/15/23	927,000	82,489	79,699	77,374	73,429	70,989	68,549	66,109	63,593	-	-	
CTF School Facility Improvements 1 (I)	06/15/08	06/15/28	916,600	51,763	45,188	44,063	42,638	41,438	40,238	39,038	37,800	36,525	35,250	
CTF Municipal Building Improvements	06/15/08	06/15/28	297,000	7,756	7,531	7,344	7,106	6,906	6,706	6,506	6,300	6,088	5,875	
CTF School Building Improvements	06/15/10	06/15/30	936,000	75,869	73,369	65,869	64,744	62,494	61,144	59,794	58,331	56,869	55,294	
CTF Highway Facility	06/15/10	06/15/30	136,000	11,024	10,660	9,571	9,407	9,080	8,884	8,688	8,475	8,263	8,034	
CTF Dredging	06/15/10	06/15/24	419,250	39,875	38,375	36,875	36,125	34,625	33,725	32,825	31,850	25,875	-	
CTF Lake Treatment	06/15/10	06/15/25	275,000	26,575	25,575	24,575	24,075	23,075	17,475	17,025	16,538	16,050	15,525	
CTF Municipal Facility Improvements	06/15/10	06/15/29	402,500	7,619	7,369	7,119	6,994	6,744	6,594	6,444	6,281	6,119	5,944	
CTF Police Facility	06/15/10	06/15/30	508,000	39,094	37,844	36,594	35,969	34,719	33,969	33,219	32,406	31,594	30,719	
CTF 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	-	-	-	-	
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	71,419	70,069	68,719	66,919	65,119	63,319	61,519	59,719	57,919	56,400	
CTF School Facilities Upgrades/Repairs I	06/14/11	06/15/16	65,000	10,300	-	-	-	-	-	-	-	-	-	
CTF School Equipment	06/14/11	06/15/16	193,000	36,050	-	-	-	-	-	-	-	-	-	
CTF Traffic Calming	06/14/11	06/15/16	50,000	10,300	-	-	-	-	-	-	-	-	-	
CTF Municipal Facility Upgrades/Repairs - MEA Building	06/14/11	06/15/16	114,000	20,600	-	-	-	-	-	-	-	-	-	
CTF Police Dept. Emergency Generator	06/14/11	06/15/16	271,000	51,500	-	-	-	-	-	-	-	-	-	
CTF Refunded Recreational Facility	06/14/11	06/15/16	144,000	36,050	-	-	-	-	-	-	-	-	-	

DEBT SERVICE PROGRAM	Issue Date	Maturity Date	Original Amount	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	P&I Payments FY 2024	P&I Payments FY 2025
CTF Mill Pond Dredge & Lake Wequaquet Planning	06/14/11	06/15/16	430,000	87,550	-	-	-	-	-	-	-	-	-
CTF Wastewater Management Planning	06/14/11	06/15/16	600,000	123,600	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	163,850	154,650	145,600	140,400	135,200	-	-	-	-	-
CTF School Parking Lot	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	41,900	40,850	34,800	33,600	32,400	31,200	-	-	-	-
CTF Bridge Repair	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	42,700	41,650	40,600	39,200	37,800	36,400	-	-	-	-
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	24,280	23,680	23,080	21,280	20,520	19,760	-	-	-	-
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	36,600	35,700	34,800	33,600	32,400	31,200	-	-	-	-
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	79,300	77,350	75,400	72,800	70,200	67,600	-	-	-	-
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	6,300	6,150	6,000	5,800	5,600	5,400	5,200	-	-	-
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	12,560	12,260	11,960	11,560	11,160	10,760	9,360	-	-	-
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	19,213	13,763	13,463	13,063	12,663	12,263	11,863	11,463	11,063	10,725
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	19,763	19,313	18,863	18,263	12,663	12,263	11,863	11,463	11,063	10,725
CTF School Improvement	06/14/11	06/15/26	487,000	47,688	46,638	45,588	39,188	37,988	36,788	35,588	34,388	33,188	32,175
CTF Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	34,225	33,475	32,725	31,725	30,725	29,725	23,725	22,925	22,125	21,450
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	56,250	55,050	53,850	52,250	50,650	49,050	47,450	45,850	44,250	42,900
CTF Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	5,898	5,723	5,523	5,348	5,198	4,162	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	24,980	24,280	23,480	22,780	22,180	21,580	17,940	15,300	-	-
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	32,249	31,339	30,299	29,389	28,609	22,806	21,192	20,196	-	-
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	25,028	24,328	23,528	22,828	22,228	21,628	18,968	15,504	-	-
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	12,514	12,164	11,764	11,414	11,114	10,814	10,464	6,732	-	-
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	81,432	79,157	76,557	71,229	67,500	65,700	63,600	61,200	-	-
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	12,518	12,168	11,768	11,418	11,118	10,818	10,468	6,834	-	-
CTF Nitrogen Management CW-04-31-B Series 16	06/13/12	07/15/20	539,860	72,879	72,977	73,078	73,182	73,288	73,395	-	-	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	73,500	71,700	70,200	69,000	67,500	65,700	63,900	62,250	60,750	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	55,125	53,775	52,650	51,750	50,625	49,275	47,925	46,688	45,563	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	24,500	23,900	23,400	23,000	22,500	21,900	21,300	20,750	20,250	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	24,100	23,500	23,000	22,600	22,100	21,500	15,975	15,563	15,188	-
CTF Intermediate School roof & Façade Design	11/22/13	11/15/19	100,000	21,700	21,100	20,600	20,200	-	-	-	-	-	-
CTF School Hot Water Pump Replacement	11/22/13	11/16/19	85,000	21,350	15,825	15,450	15,150	-	-	-	-	-	-
CTF School Gym Bleacher Upgrades	11/22/13	11/17/19	55,000	10,850	10,550	10,300	10,100	-	-	-	-	-	-
CTF School Grounds Maintenance Equipment	11/22/13	11/18/19	150,000	32,550	31,650	30,900	30,300	-	-	-	-	-	-
CTF School Kitchen equipment	11/22/13	11/19/19	110,000	26,775	21,100	20,600	20,200	-	-	-	-	-	-
CTF Private Road Repairs (I)	11/22/13	11/15/23	633,000	79,075	77,125	75,500	74,200	72,575	65,700	63,900	62,250	60,750	-
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	30,075	29,325	28,700	28,200	27,575	21,900	21,300	20,750	20,250	-
CTF Sewer Expansion Analysis	11/22/13	11/19/19	70,000	16,175	15,725	15,350	10,100	-	-	-	-	-	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	24,250	23,650	23,150	22,750	22,250	21,650	21,050	15,563	15,188	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	17,575	17,125	16,750	11,500	11,250	10,950	10,650	10,375	10,125	-
CTF Guardrail Replacements	11/22/13	11/19/19	60,000	15,925	10,550	10,300	10,100	-	-	-	-	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	61,250	59,750	58,500	57,500	56,250	54,750	53,250	51,875	50,625	-
CTF US Customs House upgrades	11/22/13	11/15/23	263,000	35,700	29,875	29,250	28,750	28,125	27,375	26,625	25,938	25,313	-

DEBT SERVICE PROGRAM	Issue	Maturity	Original	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments	P&I Payments
Purpose	Date	Date	Amount	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	24,500	23,900	23,400	23,000	22,500	21,900	21,300	20,750	20,250	-	
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	23,600	23,000	17,550	17,250	16,875	16,425	15,975	15,563	15,188	-	
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	18,375	17,925	17,550	17,250	16,875	16,425	15,975	15,563	15,188	-	
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	18,250	17,800	17,425	17,125	16,750	16,300	15,850	15,438	10,125	-	
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	17,825	17,375	17,000	16,700	16,325	10,950	10,650	10,375	10,125	-	
CTF Beach Facility Design	11/22/13	11/19/19	115,000	26,925	26,175	20,600	20,200	-	-	-	-	-	-	
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	17,325	11,950	11,700	11,500	11,250	10,950	10,650	10,375	10,125	-	
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	12,250	11,950	11,700	11,500	11,250	10,950	10,650	10,375	10,125	-	
CTF Lombard Parking & Ballfield Design	11/22/13	11/19/19	101,000	21,700	21,100	20,600	20,200	-	-	-	-	-	-	
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	11,450	11,150	10,900	5,750	5,625	5,475	5,325	5,188	5,063	-	
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	11,350	11,050	5,850	5,750	5,625	5,475	5,325	5,188	5,063	-	
CTF East Bay Dredging	11/22/13	11/15/23	600,000	73,500	71,700	70,200	69,000	67,500	65,700	63,900	62,250	60,750	-	
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	17,975	17,525	17,150	16,850	16,475	16,025	10,650	10,375	10,125	-	
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	17,825	17,375	17,000	16,700	16,325	10,950	10,650	10,375	10,125	-	
CTF Senior Center - Parking Lot Expansion	02/15/15	06/30/30	290,000	29,870	29,525	29,125	28,225	27,325	26,525	25,725	24,925	24,125	23,325	
CTF Police Facilities - February 17, 2015 Issue	02/15/15	06/30/35	288,000	27,476	24,169	23,869	23,194	22,519	21,919	21,319	20,719	20,119	19,519	
CTF Marstons Mills Fish Run Reconstruction	02/15/15	06/30/30	326,000	41,934	35,375	34,875	33,750	27,625	26,825	26,025	25,225	24,425	23,625	
CTF Sidewalk/Guardrail Improvements 1	02/15/15	06/30/20	200,000	46,762	46,000	45,200	43,400	41,600	-	-	-	-	-	
CTF Sidewalk/Guardrail Improvements 2	02/15/15	06/30/20	85,000	22,735	22,350	16,950	16,275	15,600	-	-	-	-	-	
CTF Dredge Permitting/Planning	02/15/15	06/30/20	341,000	82,431	80,075	78,675	70,525	67,600	-	-	-	-	-	
CTF Blish Point Sand Management	02/15/15	06/30/20	215,000	52,185	51,325	50,425	43,400	41,600	-	-	-	-	-	
CTF Centerville Recreation Building	02/15/15	06/30/35	185,000	16,128	15,963	15,763	15,313	14,863	14,463	14,063	13,663	13,263	12,863	
CTF Early Learning Center Modular Facility	02/15/15	06/30/35	2,000,000	165,758	164,125	162,125	157,625	153,125	149,125	145,125	141,125	137,125	133,125	
TOTAL GENERAL FUND DEBT SERVICE				4,157,978	3,626,312	3,380,866	3,144,218	2,851,518	2,445,819	1,962,094	1,795,320	1,321,214	752,692	
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	61,231	60,031	58,831	57,231	55,631	54,031	52,431	50,831	44,231	43,050	
CTF HYCC 1 Subseq Refunded Bonds	02/15/07	02/15/27	1,000,000	71,718	70,546	66,446	64,390	62,230	60,310	58,390	56,470	53,550	51,670	
CTF HYCC 2 Subseq Refunded Bonds	02/15/07	02/15/27	8,000,000	579,694	564,190	535,190	515,775	495,450	480,170	463,890	447,650	430,450	413,330	
CTF HYCC 3 Subseq Refunded Bonds	02/15/07	02/15/27	1,600,000	115,765	112,845	107,645	103,135	98,670	95,630	92,590	89,550	86,510	82,470	
CTF HYCC 4	06/15/08	06/15/28	6,765,000	524,105	508,895	496,220	480,165	466,645	453,125	439,605	425,663	410,298	395,975	
TOTAL ENTERPRISE FUND DEBT SERVICE				1,352,513	1,316,507	1,264,332	1,220,696	1,178,626	1,143,266	1,106,906	1,070,164	1,025,039	986,495	
Temporary 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				5,535,491	4,967,819	4,670,198	4,389,914	4,055,145	3,614,086	3,094,000	2,890,484	2,371,253	1,764,187	

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PART VII – SEWER CONSTRUCTION AND PRIVATE WAY MAINTENANCE AND IMPROVEMENTS FUND

Chapter 355 of the Acts of 2014 enacted by the General Court allows the Town of Barnstable to establish a special fund that may be used for the construction of sewers and the maintenance and improvements of private ways. This law expanded the use of this special fund to include the maintenance and improvements of private ways. The fund was originally established with the passage of Chapter 248 of the Acts of 2012 which created a special fund for sewer construction.

Dedicated revenue sources for this fund includes 100% of the local meals excise tax and one-third of the local rooms excise tax. In addition, any betterment assessed to property abutters on sewer construction and private way improvements will also be credited to this fund if the fund is used to finance the improvements. The Stewart’s Creek sewer construction and West Main Street Pump Station projects are the only projects to date that have been accounted for within this special fund. The Town borrowed money from the Massachusetts Clean Water Trust to finance the construction of these projects. The town received low interest loans and principal subsidies on the loans. The loans will be paid back from the resources credited to this special fund. Betterments on the Stewarts Creek project were assessed to property abutters in the amount of 50% of the project costs. The betterments collected are credited to this fund.

As of June 30, 2014 this fund was included within the sewer enterprise fund for external financial reporting purposes in accordance with Generally Accepted Accounting Standards. However, the Town has been tracking the financial activity in a separate fund within its financial reporting system in the event that it would need to know the cumulative financial activity of these actions. The passage of Chapter 355 created a multipurpose fund which will no longer be accounted for with the sewer enterprise fund for external financial reporting purposes.

There are currently no projects included in the five year capital improvements plan which will use this fund as the funding mechanism. Following is a 5 year projection for the fund’s activity.

	FY2015	FY2016	FY2017	FY2018	FY2019
Beginning Fund Balance	\$ 8,981,326	\$ 10,715,547	\$ 12,455,207	\$ 14,200,354	\$ 15,951,034
Resources:					
Meals tax	1,280,000	1,286,400	1,292,832	1,299,296	1,305,793
Rooms tax	875,000	879,375	883,772	888,191	892,632
Betterments	100,000	95,000	90,000	85,000	80,000
Commitments:					
Debt service	(520,779)	(521,115)	(521,456)	(521,807)	(522,164)
Excess resources	1,734,221	1,739,660	1,745,147	1,750,680	1,756,261
Ending Fund Balance	\$ 10,715,547	\$ 12,455,207	\$ 14,200,354	\$ 15,951,034	\$ 17,707,295

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PART VIII – 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 1.5% to 4% range. Rates remain low in FY15 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 Beach 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 recreation, community housing and historic preservation projects. The CPF, a special revenue fund, is funded with 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, 2014, the Town of Barnstable had \$111.1 million of outstanding long-term debt. New debt issued in FY14 was \$6.5 million and existing debt retired was \$13.2 million, representing a \$6.7 million net decrease in the outstanding long-term debt level from June 30, 2013. These debt figures include all debt incurred on behalf of the enterprise funds and the Community Preservation Fund.

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 January 30, 2015, Standard & Poor's (S&P) 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 \$19.7 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)

Projects	Maturities Through	Original Loan Amount	Coupon Rate (%)	Outstanding at June 30, 2013	Issued	Redeemed	Outstanding at June 30, 2014
MCWT Title V Bond of 1997.....	2021	\$ 200,000	0.00	\$ 83,003	\$ -	\$ (10,400)	\$ 72,603
MCWT Title V Bond of 2002.....	2023	200,000	0.00	100,184	-	(9,972)	90,212
Municipal Purpose Bonds of 2004.....	2014	11,783,000	3.00 - 5.00	620,000	-	(620,000)	-
Municipal Purpose Bonds of 2005.....	2025	6,280,000	3.25 - 5.00	3,760,000	-	(315,000)	3,445,000
MCWT Title V Bonds of 2006.....	2026	400,000	0.00	260,000	-	(20,000)	240,000
MCWT Title V Bond of 2007.....	2027	200,000	0.00	140,000	-	(10,000)	130,000
Municipal Purpose Bonds of 2007.....	2027	46,664,000	3.38 - 4.75	28,325,000	-	(4,115,000)	24,210,000
MCWT Bond of 2008 (CW-04-31).....	2021	389,216	2.00	251,359	-	(29,265)	222,094
Municipal Purpose Bonds of 2008.....	2028	5,928,700	3.75 - 4.50	3,585,000	-	(373,000)	3,212,000
MCWT Bond of 2009.....	2021	887,454	2.00	712,342	-	(82,597)	629,745
Municipal Purpose Bonds of 2010.....	2030	4,947,270	2.00 - 5.00	3,290,000	-	(540,000)	2,750,000
Municipal Purpose Bonds of 2011.....	2031	15,751,000	2.00 - 4.00	13,076,897	-	(1,786,548)	11,290,349
Municipal Purpose Refunding of 2013.....	2023	10,037,900	2.00 - 4.00	9,169,500	-	(1,090,000)	8,079,500
Municipal Purpose Bonds of 2014.....	2024	6,248,000	2.00 - 3.00	-	6,248,000	-	6,248,000
Total Bonds Payable.....				63,373,285	6,248,000	(9,001,782)	60,619,503
Add: unamortized premium.....				237,493	245,377	(295,533)	187,337
Total Bonds Payable, net.....				\$ 63,610,778	\$ 6,493,377	\$ (9,297,315)	\$ 60,806,840

Debt service requirements for principal and interest for **Governmental Bonds Payable** in future fiscal years are as follows:

Year	Principal	Interest	Total
2015.....	\$ 8,967,140	\$ 2,263,727	\$ 11,230,867
2016.....	8,681,546	1,957,203	10,638,749
2017.....	8,344,002	1,640,784	9,984,786
2018.....	8,281,509	1,335,373	9,616,882
2019.....	8,285,071	984,237	9,269,308
2020.....	4,688,685	632,556	5,321,241
2021.....	3,685,157	465,149	4,150,306
2022.....	3,179,756	334,397	3,514,153
2023.....	2,555,256	215,507	2,770,763
2024.....	1,449,483	138,416	1,587,899
2025.....	914,483	96,505	1,010,988
2026.....	589,483	61,719	651,202
2027.....	344,483	39,624	384,107
2028.....	229,483	26,016	255,499
2029.....	194,483	17,008	211,491
2030.....	189,483	9,230	198,713
2031.....	40,000	1,656	41,656
Total.....	\$ 60,619,503	\$ 10,219,107	\$ 70,838,610

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 new Middle School and the renovation and addition to the High School. During 2014, approximately \$3,509,000 of such assistance was received. Approximately \$16,444,000 will be received in future years. Of this amount, \$1,310,000 represents reimbursement of future long-term interest costs and \$15,134,000 represents reimbursement of approved construction cost and interest costs previously paid.

Bonds Payable Schedule – Enterprise Funds

Projects	Maturities Through	Original Loan Amount	Coupon Rate (%)	Outstanding at June 30, 2013	Issued	Redeemed	Outstanding at June 30, 2014
Golf Course.....	2025	\$ 4,450,000	5.00	\$ 3,150,000	\$ -	\$ (250,000)	\$ 2,900,000
Wastewater.....	2032	34,940,442	0.00 - 4.75	19,456,517	-	(1,532,282)	17,924,235
Water.....	2033	13,699,618	2.00 - 5.00	12,772,107	-	(637,102)	12,135,005
Solid Waste Transfer Station.....	2027	8,405,700	0.00 - 4.50	3,196,600	-	(446,800)	2,749,800
Sandy Neck.....	2031	1,365,000	4.00	1,165,000	-	(50,000)	1,115,000
Marinas.....	2030	3,774,000	3.00 - 5.00	1,817,103	-	(143,452)	1,673,651
Hyannis Youth and Community Center.....	2028	17,365,000	3.375 - 5.00	12,485,000	-	(868,000)	11,617,000
Airport.....	2031	730,000	2.00 - 4.12	680,000	-	(30,000)	650,000
Total Bonds Payable.....				\$ 54,722,327	\$ -	\$ (3,957,636)	\$ 50,764,691

Debt service requirements for principal and interest for **Enterprise Bonds Payable** in future fiscal years are as follows:

Year	Principal	Interest	Total
2015..... \$	3,979,041 \$	1,649,331 \$	5,628,372
2016.....	3,876,306	1,509,484	5,385,790
2017.....	3,938,915	1,367,055	5,305,970
2018.....	3,685,396	1,216,833	4,902,229
2019.....	3,763,085	1,081,656	4,844,741
2020.....	3,389,410	946,854	4,336,264
2021.....	3,282,068	838,335	4,120,403
2022.....	3,310,284	733,079	4,043,363
2023.....	3,377,458	623,738	4,001,196
2024.....	3,301,175	513,908	3,815,083
2025.....	3,209,804	412,604	3,622,408
2026.....	2,968,921	309,347	3,278,268
2027.....	3,028,539	216,143	3,244,682
2028.....	1,778,665	121,108	1,899,773
2029.....	1,001,085	80,185	1,081,270
2030.....	991,371	56,919	1,048,290
2031.....	947,712	33,137	980,849
2032.....	462,700	14,981	477,681
2033.....	472,756	5,646	478,402
Total..... \$	<u>50,764,691</u> \$	<u>11,730,343</u> \$	<u>62,495,034</u>

The Town has entered into several loan agreements with the Massachusetts Clean Water Trust (MCWT) for which the Town has recorded the total amount of debt outstanding. However, as of June 30, 2014, the Town has not incurred \$1,309,527 of the eligible construction costs related to the projects and as a result has not yet received the corresponding loan proceeds from MCWT. The Town is scheduled to be subsidized by the MCWT on a periodic basis for principal in the amount of \$1,406,745 and interest costs for \$670,673. The principal subsidies are guaranteed. Since the Town is legally obligated for the total amount of the debt, such amounts have been reported in the accompanying figures above. The 2014 principal and interest subsidies totaled \$237,389 and \$200,924, respectively.

The Town is subject to various debt limits by statute and may issue additional general obligation debt under the normal debt limit. At June 30, 2014, the Town had the following authorized and unissued debt:

Purpose	Amount
Sewer Projects.....	9,088,246
Water Projects.....	3,353,819
Marston Mills Fish Run	500
Airport Projects.....	14,958,125
Fuel Farm.....	<u>810,000</u>
Total.....	28,210,690

C. General Obligation Debt – Credit Ratings

In January 2015, the Treasurer conducted a \$16.2 million bond refunding. This sale required a rating agency analysis. S&P change their criteria and analytical framework used for evaluating credit and the Town maintained its **AAA** rating using their new criteria and framework. S&P cited the following reasons for their rating:

- A very strong economy, which participates in the strong Boston metropolitan statistical area;
- Very strong budgetary flexibility, with available reserves in excess of 15% of general fund expenditures for the most recent three audited years;
- Strong budgetary performance and stable and consistent revenue profile;
- Very strong liquidity, providing very strong cash levels to cover both debt service and expenditures;
- Very strong management practices and policies that we believe are embedded and sustainable; and
- Strong debt and contingent liabilities, albeit large pension and other postemployment benefits (OPEB) liabilities.

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. This AAA rating reflects sound credit quality with associated very low risk and should result in future 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; and
- The community’s ability to address unfunded pension system and other post-employment benefits obligations.

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 November 8, 2013

“The stable outlook reflects our view of the town's very strong budgetary flexibility and liquidity, further supported by a very strong and diverse local economy. Although Barnstable maintains a strong debt and liability profile, and despite pension and OPEB costs that are expected to continue rising through the medium term, we do not anticipate weakened performance or liquidity measures, due to the town's very strong management practices. Steady economic development in recent years should aid tax base stability and provide additional future tax revenue. While unlikely, significant deterioration in general fund reserve or performance could lead to rating actions. For these reasons, we do not expect to change the rating within the two-year outlook horizon.”

D. General Obligation Debt - Limitations

There are several legal limitations that govern the issuance of municipal debt. Under Massachusetts statutes, the debt limit of the Town of Barnstable is 5 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. 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 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 the debt limit.

Proposition 2½ (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 FY2014 was calculated as follows:

FISCAL YEAR 2014 PRIMARY LEVY			\$101,225,604
Add:			
2.5% of FY14 Primary Levy		\$2,530,640	
FY 2015 New Building Growth		1,136,464	
FY 2015 Debt Payments Excluded		1,295,452	
FY 2015 Cape Cod Commission Assessment		554,375	
Total Additions		\$5,516,931	
FISCAL YEAR 2014 TAX LEVY LIMIT			\$106,742,535

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 improvements 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

0.649%

Direct Debt - General fund debt as a % of the town's FY14 equalized property valuation as calculated by the state.

Formula – Overall general fund debt ÷ Equalized valuation

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

8.83%

Municipal Debt Burden – Current Year

Definition - Town's general fund debt service ÷ Total general fund expenditures

Standard & Poor's rates this as moderate

\$1,600

Net Direct Debt Per Capita

Definition – Governmental fund net debt ÷ Town population

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

\$298,191

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 2½ 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 0.44%.

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 6.8%.

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 4.45%.

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 \$19 million in the next five years as "pay-as-you-go" financing and anticipates financing about \$31 million in capital with new debt issues resulting in a 38/62 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 Improvements Program projects, as contained within the Town's five-year capital improvements plan.

1. The Capital Trust Fund will be funded through a general operation set aside of at least \$1.9 million annually. The annual estimated commitment for FY2015 is approximately \$7.5 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.

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PART IX –DETAILED DESCRIPTIONS FOR DEFERRED PROJECTS

Enterprise Fund Projects

Airport Enterprise Fund

PROJECT: AIR-16 -7

DEPARTMENT PRIORITY: 7 of 17

Project Working Title: ACQUIRE & IMPLEMENT NEW AIRPORT BUSINESS FINANCIAL SYSTEM

Project Location: 480 Barnstable Road, Hyannis

Project Description: Acquire, install and implement a new Airport business financial system to manage the core business activities associated with the Airport; and to integrate the new system with the MUNIS operating system used by the Town.

Project Justification: The existing Town business management system (MUNIS) is not fully suited to the needs of the diverse Airport business oriented revenue sources that have a greater focus on generating revenue from aeronautical and non-aeronautical activities. Each of the many sources of revenues generated at the airport requires different rates and charging methodologies, that demand more sophisticated airport financial applications that cannot be handled by MUNIS, which is more directed at municipal requirements. In conjunction with the Town Finance and Information Systems Departments, several different financial applications were explored, and the one standout application that met our requirements is the GCR Airport IQ Airport Intelligence Software package. "Airport IQ" is a suite of applications that comprehensively manages all aspects of the airport's additional financial requirements.

Impact of Denial/Postponement: Denial will continue the use of an inadequate financial system at the airport that does not meet the needs of staff or the requirements of the Airport Commission. Denial will continue to cause the use of a financial system that is too labor intensive, repetitive and prone to causing errors in reporting and collection of revenues.

Project Cost Estimates: FY2016 Acquisition: \$175,000 (Estimated)

Basis for Cost Estimates: Price estimates from contractor. Consultation with Town IS Department.

Project Estimated Completion Date: 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$175,000	Acquisition and implementation

Source of Funding: Ineligible for FAA or MassDOT funding Grant Assistance. 100% funding from Airport Enterprise Fund Reserves.

Operating Budget Impact: Annual software license fee estimated at \$6,000

Project Working Title: RECONSTRUCTION OF RUNWAY 15-33, TAXIWAY ECHO, AND A PORTION OF TAXIWAY BRAVO MAJOR**Project Location:** 480 Barnstable Road, Hyannis

Project Description: Runway 15-33 (circa 1985), Taxiway Echo (circa 1980), and a portion of Taxiway Bravo (circa 1985) 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 for Taxiway Bravo; the 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; the reconstruction of the adjacent Taxiway Echo to the engine run-up pit; and the reconstruction of a portion of Taxiway Bravo; 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. In June of 2013, the MassDOT Aeronautics Division completed a statewide pavement management report that shows the majority of Runway 15-33 and all of Taxiway Echo as having a pavement condition index (PCI) of 54 to 66 depending upon location, and Taxiway Bravo as having a pavement condition index (PCI) of 47 to 65 depending upon location, with 0 being the worst condition, to 100 being the best condition. A PCI of 55 to 70 requires major rehabilitation.

Describe Work Accomplished This Project: Design has been delayed one year due to delay in FAA planned funding for reconstruction in FY2017. Use of the Statewide crack sealing project is effectively extending the life of the failing pavement in the interim.

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. Eventually the runway and taxiway would be unusable and the Airport would be in violation of their Grant Assurances and not in compliance with Airport certification requirements with resultant loss of operational capability.

Project Cost Estimates: FY2016 \$0 See paragraph below for future project.

Project Estimated Completion Date: 2017

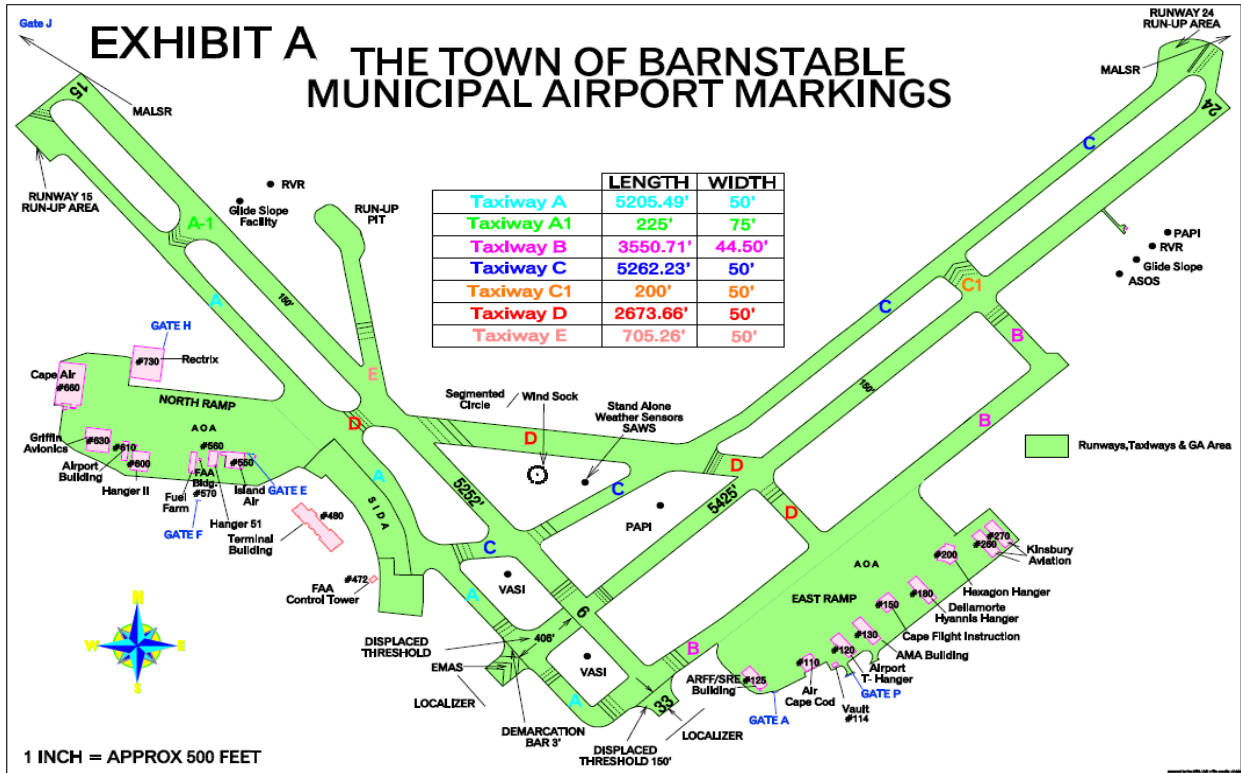
Basis for Cost Estimates: Price estimates from contractor.

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$4,600,000	Construction

Source of FY17 Funding: Reimbursable funding from FAA (90%), MassDOT Aeronautics (5%) and local share (5%)

Operating Budget Impact now or in future: None 2017 reconstruction project. Routine maintenance would stay the same.



Runway 15-33

Project Working Title: REPLACE SNOW REMOVAL EQUIPMENT (SRE) AND AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) EQUIPMENT (RAPID RESPONSE VEHICLE; AND ASV SKID STEER PLOW)

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. This project is to replace a 1999 Ford F-450 Heavy Duty Flatbed Truck with fire combat unit; and the 2004 ASV Diesel Skid Steer Plow.

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.

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: FY2016 \$0 See Paragraph below for future requests in FY17 and FY20

Basis for Cost Estimates: State Bid List and Manufacturer quotes

Project Estimated Completion Date: 2017 and 2020

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$85,000	Replace 1999 Ford F-450 Heavy Duty Truck and fire combat unit
2020	\$100,000	Replace 2004 ASV Diesel Skid Steer Plow

Source of FY17 & FY20 Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; BMA at 5%. Fire combat unit may be 100% Airport Enterprise Funds at \$25,000 if deemed not eligible for FAA and MassDOT reimbursement.

Operating Budget Impact: None anticipated at this time. Any savings derived by new equipment would be available to maintain remainder of deteriorating ARFF and SRE vehicles.

Supplemental Information: The fire combat unit is essentially a skid mounted firefighting unit that mounts on the truck's flatbed. The ASV Skid Steer with plow is a specialized vehicle for plowing the Engineered Material Arresting System (EMAS) upon which we completed a \$1,000,000 upgrade in 2013. It can also be used for other plowing requirements as necessary.



Skid Steer Plow



Heavy Duty Truck and Fire Combat Unit

Project Working Title: DESIGN AND CONSTRUCT NEW FIBER OPTIC AIRFIELD LIGHTING CONTROL SYSTEM**Project Location:** 480 Barnstable Road, Hyannis**Project Description:** Design and construct a new fiber optic Airfield Lighting Control System (ALCS) for improved communications between the Air Traffic Control Tower (ATCT) and the airfield lighting vault via a hardwire communications pathway.**Project Justification:** The existing Airfield Lighting Control System (ALCS) communicates from the Air Traffic Control Tower (ATCT) to the airfield lighting vault via a wireless communications pathway. A life safety system of this nature typically has two pathways for control, a hardwired line (or fiber) and a wireless link. The hardwire communications path is typically the primary pathway and the wireless link is typically a backup in the event of a failed cable or communications equipment failure. The already existing fiber optic cable from the ATCT to the Aircraft Rescue and Fire Fighting (ARFF) building will be extended with a new fiber optic cable approximately 1000 feet in total length to connect to the airfield lighting vault. This project provisions this additional cable and equipment. Additionally, this new cable will also improve video and access control systems within the lighting vault and at Gate Papa (P). The fiber cable would also be utilized in improving perimeter security and other airport related systems along the East side of the airport.**Impact of Denial/Postponement:** Denial will continue an unsafe communications system that could have flight and life safety concerns in the event of an unforeseen failure of the wireless system with no alternative or back-up system in place. Failure to construct this new system will also negatively impact other necessary security upgrades as the airport continues to modernize and grow new business on the East side of the airport.**Project Cost Estimates:** FY2016 \$0 See paragraph below for FY17 request.**Project Estimated Completion Date:** FY 2017**Project Cost/Description Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$75,000	Design and Construction

Source of FY17 Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; BMA at 5%;**Operating Budget Impact now or in future:** Extension of existing fiber optic system. Minimal maintenance once installed.

Project Working Title: DESIGN AND CONSTRUCT NEW SNOW REMOVAL EQUIPMENT (SRE) STORAGE BUILDING

Project Location: 480 Barnstable Road, Hyannis

Project Description: Design and construct a new Snow Removal Equipment (SRE) and vehicle storage building of approximately 10,000 square feet to provide additional covered parking space to accommodate the needs of the Barnstable Municipal Airport (BMA). The new storage building would be constructed of metal with a concrete slab foundation and with a 24 foot wide by 22 foot high door for vehicle and plow ingress and egress. The new building would be located on the east side of the airport.

Project Justification: The existing Aircraft rescue and firefighting (ARFF) building provides insufficient vehicle garage bays and storage capability to meet the storage and parking requirements for all airport SRE and other operational vehicles. Currently we must store many of our vehicles, plows and sanders, and specialty equipment outside in the elements which contributes to an already corrosive operating environment and shortens their useful life. We currently have limited covered space in the ARFF building, and in a portion of the Hangar II bay – the majority of which is leased to Cape Air, who have expressed a desire to lease the entire hangar. The new building would be of metal construction, built on a slab, with no heat and no water. It would have electrical power, vehicle exhaust vents if necessary, and lights only - to be built at minimal cost for “cold” storage. This new facility would help preserve our very costly vehicles for a longer period of time and reduce our long term maintenance and replacement costs.

Impact of Denial/Postponement: Impact of denial will shorten the useful life of the very costly airport vehicles needed to maintain operations and certification requirements; it will increase the airport’s annual maintenance costs, and it will increase the airport’s vehicle replacement costs. Only certain SRE vehicles are eligible for FAA and MassDOT grant funding assistance. All other vehicle replacement costs will adversely affect the Airport Enterprise Fund Reserves.

Project Cost Estimates: FY2016 \$0 See paragraph below for FY17 request.

Basis for FY17 Cost Estimates: Prior construction projects, engineering consultant estimates,

Project Estimated Completion Date: FY 2017

Project Cost/Description Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$400,000	Design and Construction

Source of FY17 Funding: Airport Enterprise Funds (20%) and reimbursable funding by MassDOT AD (80%)

Operating Budget Impact now or in future: None at this time. Any derived savings would be a reduction in recurring vehicle maintenance costs and replacement costs – to be determined.

Project Working Title: DESIGN AND REPLACE MO-GAS AND DIESEL FUEL CON-VAULT, GAS BOY & ALARM

Project Location: 480 Barnstable Road, Hyannis

Project Description: Design and replace the circa 1997 era Mo-Gas (low lead gasoline) and Diesel fuel Con-Vault (concrete encased fuel tanks), Gas Boy (computerized dispensing system) and the associated alarms that have reached the end of their useful lives. The existing concrete structure and equipment is deteriorating and should be replaced.

Project Justification: The Con-Vault encases two (2) 4,000 gallon above ground fuel tanks (Mo-Gas and Diesel) that is used by all Airport vehicles and by all Airport tenant vehicles on a reimbursable basis. This service is provided to tenants as a convenience since their vehicles are not licensed to operate outside the airport environment. Tenants are charged for the cost of the fuel plus a small additional fee to cover airport overhead costs. The Gas Boy is a computerized "gas station-type pump" that monitors usage by each vehicle authorized to use the pump, with all data transmitted to the Airport finance department for recording and billing purposes. The alarm is monitored by the operations staff.

Impact of Denial/Postponement: Impact of denial will allow the Con-Vault to deteriorate to the point where it would have to be decommissioned before encountering any external fuel leakage or spills and the subsequent HAZMAT clean-up costs. Shutting the system down would be a major inconvenience and will have a significant impact on lost time as employees would have to depart the airport to obtain fuel, and would cost a significant amount of money to bring vehicles up to code to operate on the highways. If low lead and diesel fuel has to be trucked in to a temporary fueling facility, it would significantly increase the risk of a fuel spill.

Project Cost Estimates: FY2016 \$0 See paragraph below for FY17 request.

Basis for FY17 Cost Estimates: Prior construction projects, engineering consultant estimates, FAA and MassDOT consultations, etc.

Project Estimated Completion Date: FY 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$150,000	Design and Replace

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

Operating Budget Impact now or in future: Any derived savings would be a reduction in recurring maintenance costs – to be determined.



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 pending construction of the new fuel farm mandated the demolition of one of the two airport-owned existing T-hangars, located adjacent to Gate Foxtrot (F). 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: FY2016 \$0 See paragraph below for FY17 request.

Basis for FY17 Cost Estimates: Prior construction projects, engineering consultant estimates, DPW estimates, and FAA and MassDOT consultations, etc.

Project Estimated Completion Date: FY 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$650,000	Design and Construct

Source of FY17 Funding: Airport Enterprise Funds (20%) and reimbursable funding by MassDOT AD (80%)

Operating Budget Impact now or in future: None at this time. Routine maintenance costs to be determined after several years use.



Existing T hangar

Project Working Title: FAA AIRPORT LAYOUT PLAN AND MASTER PLAN UPDATE INCLUDING POSSIBLE 926 FOOT RUNWAY 15/33 EXTENSION, UTILITIES GIS SURVEY, AND FAA/FAR PART 150 NOISE EXPOSURE MAP UPDATE

Project Location: 480 Barnstable Road, Hyannis

Project Description: The Airport's required FAA Airport Layout Plan (ALP) and Master Plan (per FAA Advisory Circular AC150/5070-6) is a comprehensive long-term plan for the airport development that should be revisited and updated periodically, particularly upon completion of the Town and Cape Cod Commission mandated Master Plan and Development Agreement process. Development items that improve an airport for the primary purpose of accommodating aircraft operations would also be included in the update and are considered to be "capacity projects," which would include the possible extension of Runway 15/33 by approximately 926 feet to provide a better margin of safety for regional and longer range private and commercial jet aircraft.

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.

And finally, this project 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 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 airport layout plan does not appear to have been brought up to date for many years. The availability of space at the departure end of Runway 33 to extend the existing runway by up to 926 feet, and still maintain minimum runway safety margins is feasible and should be comprehensively reviewed. The primary purpose for such an extension would be to provide additional runway length to safely accommodate larger, heavier and longer flight range private, regional and commercial turbine (jet) aircraft. The extra landing and take-off distance afforded to aircraft by the runway extension, provides an increased margin of safety for such flight operations.

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.

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 combined 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 will not allow the Airport to be in full compliance with FAA directives that may have long term financial consequences with regard to receipt of FAA and MassDOT grants. Failure to extend the runway will increase the risk of flight accidents with existing aircraft using the Airport, and will have a negative impact on the ability to attract new private, charter and scheduled airline service. The lack of a utilities plan will have safety consequences with regard to airport operations and future construction activities. In addition 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: FY2016 \$0 See paragraph below for FY18 request.

Basis for Cost FY18 Estimates: Planning and engineering consultant estimates, and FAA and MassDOT consultations.

Project Estimated Completion Date: FY 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2018	\$445,000	Layout and Master Plan

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

Operating Budget Impact now or in future: None at this time. Future to be determined.

Supplemental Information:

- (1) The recent completion of a property line and partial leasehold survey will form an integral part of the FAA Master Plan; the partially 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) Future air service development efforts are hampered by the current length of runways at the airport. While the fact that each aircraft performs differently, a simple rule of thumb is that the heavier the aircraft, the more runway is needed. There is no such thing as “too much runway” when it comes to flight safety.
- (3) During 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.

Project Working Title: CLEAR VEGETATION ALONG THE AIRPORT PERIMETER FENCELINE BUFFER ZONE AND IN FAA AIRSPACE OBSTRUCTION (PART 77) OFFENDING AREAS

Project Location: 480 Barnstable Road, Hyannis

Project Description: Design, permit and clear vegetation that has regrown along most of the Airport perimeter fence line buffer zone creating potential Transportation Security Administration (TSA) security violations; and in places where the vegetation has regrown in certain areas of the airfield where it is creating an airspace flight obstruction – sometimes called an Federal Aviation Administration (FAA) FAR Part 77 airspace obstruction or an offending area.

Project Justification: The existing perimeter fence line was installed in phases over many years to first meet FAA airfield and flight safety requirements and then subsequent to the September 11, 2001 terrorist incident, the TSA has required all FAA FAR Part 139 airports to have a security fence along the entire perimeter that is 8 feet tall with 3 strands of barbed wire along the top, with a 10-foot clear buffer zone on each side of the fence line if possible. Over the past 12 years, the vegetation has continued to grow back along the entire fence line creating a safety and security concern. The airport continues to manually attempt to keep the growth off and away from the fence, without the use of herbicides, with existing personnel, and with the use of Americorps volunteers, JTEC volunteers, and temporary employees. We cannot keep up with the vegetation without this project. The Airport encompasses 683 acres of land, more or less. The results of a new land survey also identified the perimeter length and associated fence line.

Impact of Denial/Postponement: Denial will continue to affect airport personnel’s ability to keep the fence line clear of vegetation; it will increase the maintenance workload on a limited staff; it will increase the probability of incurring a security violation from the TSA; and it will increase the probability of an adverse effect on flight minimum altitudes and negatively affect flight safety and commerce.

Project Cost Estimates: FY2016 \$0 See paragraph below for FY18 request.

Basis for FY18 Cost Estimates: Prior construction projects, engineering consultant estimates, industry cost estimates, and FAA and MassDOT consultations, etc.

Project Estimated Completion Date: FY 2018

Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2018	\$667,000	Design, Permitting and Clearing

Source of FY18 Funding: FAA AIP reimbursable Grant funds at 90%; MassDOT at 5%; BMA at 5%;

Operating Budget Impact now or in future: Routine maintenance will continue unabated to maintain the clear zones.



Trees and shrubs blocking pilot’s view of runway

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

Project Description: Runway 6-24 (circa 1991) has exceeded its 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 (5,425 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. Crack sealing and crack repairs have extended its useful life until now but further deterioration poses serious safety risks that must be addressed. In June of 2013, the MassDOT Aeronautics Division completed a statewide pavement management report that shows the majority of Runway 6-24 as having a pavement condition index (PCI) of 54 to 73 depending upon location, with 0 being the worst condition, to 100 being the best condition. A PCI of 55 to 70 requires major rehabilitation.

Describe Work Accomplished this Project: Design has been delayed at least two years or more due to delay in FAA planned funding for reconstruction in FY2019. Use of the Statewide crack sealing project is effectively extending the life of the failing pavement in the interim.

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. Eventually the runway would be unusable and the Airport would be in violation of their Grant Assurances and not in compliance with Airport Certification requirements with resultant loss of operational capability.

Project Cost Estimates: FY2016

Basis for FY19 Cost Estimates: Prior construction projects, engineering consultant estimates, FAA and MassDOT consultations, etc.

Project Estimated Completion Date: FY 2019**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2019	\$4,600,000	Reconstruct Runway 6-24

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

Project Working Title: DESIGN AND RECONSTRUCT TAXIWAY BRAVO**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 Bravo (circa 1961 and 1985).**Project Justification:** This reconstruction project for Taxiway B 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 Draft Airport Master Plan, Development of Regional Impact, EIR and Development Agreement for the future development of the East Ramp. In June of 2013, the MassDOT Aeronautics Division completed a statewide pavement management report that shows Taxiway Bravo as having a pavement condition index (PCI) of 47 to 65 depending upon location, with 0 being the worst condition, to 100 being the best condition. A PCI of 55 to 70 requires complete major rehabilitation.**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:** FY2016 \$0**Basis for Cost Estimates:** Prior construction projects, engineering consultant estimates, FAA and MassDOT consultations, etc.**Project Estimated Completion Date:** FY 2020**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2020	\$3,000,000	Permitting, Design and Construction

Source of FY20 Funding: FAA share: 90%, MassDOT AD share: 5% and Airport share: 5%.**Operating Budget Impact now or in future:** Routine maintenance expected to remain the same.

Hyannis Youth And Community Center Enterprise Fund

PROJECT: CSD-16-1 HYCC

DEPARTMENT PRIORITY: 1 of 2

Project Working Title: HYCC MECHANICAL UPGRADES

Project Location: 141 Bassett Lane, Hyannis

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

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

Impact Of Denial/Postponement: Multiple room type and occupancies require better heating and cooling controls and system to alleviate complaints from staff and visitors.

Project Cost Estimates: FY 2016

Design & Permitting	\$27,277
Construction	\$176,842
Construction Contingency	\$25,465
Project Management	\$10,115
Project Contingency	\$10,115
Total Project Cost	\$249,814

Basis for cost estimates: Engineer's estimate

Project Estimated Completion Date: Fall 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$249,814	Design & Construction

Source of Funding: HYCC Enterprise Fund

Operating Budget Impact now or in future: Savings in fuel costs due to greater efficiency of system. Savings amount unknown at this time.

Project Working Title: HYCC COGENERATOR**Project Location:** 141 Bassett Lane, Hyannis

Project Description: The proposed project involves the design and installation of a one 65 Kw cogenerator which using gas as a fuel, creates electrical current for use in the building while giving off heat which going thru converter is used for the refrigeration plant. In this manner the heat is "free" for use in the building plant to make ice for the two rinks. Included in this cost are the engineering design, contract administration, contingency and project management services for these energy efficient improvements to the existing HVAC system.

Project Justification: Energy grant are available for this kind of project which results in lower up front cost while gaining reductions in electrical usage costs.

Impact Of Denial/Postponement: The TOB will continue to pay for the high price of operating cost.

Project Cost Estimates: FY 2016

Design & Permitting	\$146,038.
Construction	\$457,800
Construction Contingency	\$45,780
Project Management	\$35,251
Project Contingency	\$50,358
Total Project Cost	\$735,227

Project Estimated Completion Date: January, 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$735,227	Design & Construction

Source of Funding: HYCC Enterprise Fund

Operating Budget Impact now or in future: Savings in fuel costs due to greater efficiency of system. Savings amount unknown at this time.

Golf Enterprise Fund

PROJECT: CSD-16-2 GOLF

DEPARTMENT PRIORITY: 2 of 3

Project Working Title: HYANNIS GOLF COURSE RENOVATION

Project Location: 1800 Route 132, Hyannis

Project Description: Renovation and modernization of the Hyannis Golf Course. This project focuses on repairing and or replacing failing infrastructure items and key golf course features that have exceeded their natural life cycle. The life cycle of key features on a golf course are directly related to age, original construction methods and subsequent levels of maintenance and resources expended on them over time. Hyannis GC has not had any major alterations, renovations or infrastructure improvements over the life of the golf course which dates back to the mid 1970's. The golf course renovation plan includes replacement of the irrigation system, complete renovation of all sand bunkers (including the elimination of several), construction of numerous forward tee boxes for the average, senior, junior and women golfers to use, refurbishment of golf cart paths, and overall widening of the course by removing trees that have encroached on playing areas over time. All of these items were considered in the scope of work detailed in the Renovation Business Plan produced by the golf course architectural firm of Richard Mandell Golf Architecture from Pinehurst, North Carolina. The Town Manager, Finance Director, Community Services Director all have copies of this plan.

Project Justification: Hyannis GC is over 40 years old and is in need of major renovations to remain a viable, competitive, revenue producing facility located amidst a dense concentration of alternative golfing opportunities. There are 20 courses within 20 miles of Hyannis GC for golfers to choose from. Hyannis GC is considered by most to be a difficult course to play. It has steep hills making it physically demanding and difficult to walk, especially for our seniors. Our 1,000 plus members overwhelmingly favor Olde Barnstable due to its relatively flat and walk-able layout. Member play has consistently been split 65% - 35% between OBF and Hyannis respectively. It is a long course and requires strength to drive the ball over long carries to reach the fairways especially for women, seniors, and beginners. Due to a lack of forward tee boxes on most holes, the course is unnecessarily difficult for many. The installation of forward tee boxes will enable golfers of varying abilities to play the course at the appropriate yardages based on their handicaps. The golf course is very narrow and demands that players have ability to make accurate shots to avoid finding the woods. Over the decades, trees have grown and encroached out into playing areas compounding the degree of difficulty of the course. Tree pruning and removal will help reduce blind shots, improve safety and open up the golf course back to its original width. The sand bunkers (sand traps) are eroded, mis-shaped, rock and gravel filled pits that are in extremely poor condition. They are well beyond the ability of the golf maintenance staff to repair and maintain. The bunkers at Hyannis GC have been voted by area golfers as having the worst bunkers on a public golf course on Cape Cod. We have lost tournaments, group outings, and daily fee play due to the condition of our sand traps. While it is true that sand traps are hazards that golfers try to avoid, getting out of one shouldn't ruin your day – or your golf clubs! The bunkers at Hyannis GC need to be completely redesigned and reconstructed. This is an extensive, costly process. The priority will be on strategically placed bunkers that give a golfer options to try to avoid them, not haphazardly placed bunkers that penalize a good shot. The end result of the proposed bunker renovation methodology will be a reduction in the number of bunkers on the golf course from 64 to 45. Properly designed and constructed bunkers will reduce labor and maintenance expenses as well. The cart path trail system throughout Hyannis GC consists of asphalt, processed stone mix, and native soil. In all but a few areas on the course the paths are in poor condition. In some areas of the course there are no paths. The asphalt paths are cracked and pothole ridden. The native soil and processed stone paths need to be graded and packed and in some cases, paved. Golf carts frequently get stuck in these paths after a heavy rain. Cart rentals generate approximately \$250,000 per year at Hyannis GC. Nonmember cart fees average \$19/rider. There is a certain expectation that golfers have regarding the condition of the cart paths when

renting a golf cart for the day. We fail at meeting these expectations at Hyannis GC. The Renovation Business Plan calls for a minimalist approach with regards to cart paths. Asphalt will only be used on steep and hilly areas while an impervious material to be determined will be used on flat areas of the course. The cart path trail system will not be continuous. It will be incorporated in high traffic areas around and adjacent to the tees and greens but will not run the length of each hole thus decreasing the amount of impervious material on the golf course. The last major area to be addressed in the Hyannis GC renovation plan is that of replacing the antiquated irrigation system. This is without a doubt the single most expensive component of the proposed renovation plan. It is also the most important in terms of having the ability to produce a quality golf course and keep it alive. Without irrigation we have nothing. The present system is antiquated and extremely inefficient both in terms of water conservation and capabilities. The pump station consists of only one pump and motor. If this goes down, the course doesn't get watered. The wear and tear on this set up is excessive whereas a modern pump station can continuously alternate run times between several pumps automatically. Most golf course pump stations have 3 pumps. The pumping capacity at Hyannis GC is very low by modern standards (450 GPM vs 1,000-1,500 GPM) and the 40 year old main lines are too small throughout the property to handle any more volume. In peak season it can take 12-16 hours to water Hyannis GC where at OBF the same amount of water can be applied in 5-8 hours. We are forced to water the course at less than optimal times of the day, interfering with golfers and going against all the established guidelines for efficient water use in the production and management of golf course turf. When it comes to irrigating golf turf the emphasis is "less is more." Firm and dry turf is what golfer's desire as these conditions are considered ideal for playing the game of golf. It isn't as much about how much water we use as it is about the ability to put the right amount of water out on the specific turf areas (greens, tees, etc.) at the proper times to effectively produce quality playing conditions that we can market and sell to our residents and guests alike. We simply cannot efficiently manage our water use or control the resulting turf conditions with the present system.

Impact Of Denial/Postponement: The condition of key golf course features will continue to fall into further disrepair. We will continue to mismanage the wise use of water when irrigating the golf course, play a game of chance with the pump station, and lack control over turf conditions. In its present state, Hyannis Golf Course has proven to be very difficult to market and promote as a true golfing destination for the Town of Barnstable. Its reputation for being a difficult and penal course to play coupled with a lack of appropriate playing accommodations for women, seniors, juniors, and beginners further complicates efforts to grow the business and increase rounds and revenues at Hyannis GC. Despite very good turf conditions throughout at Hyannis and a reputation for having some of the finest public course putting greens in the region is not enough to overcome the shortfalls encountered when teeing it up here. We are in the business of selling an experience. People come to play golf and enjoy a day outdoors with friends and family. As much as we provide a well-conditioned course and exceptional customer service we can't control the fact that many average golfers are beat up by the difficulty of the course. They don't score well, get frustrated, and find another local golfing venue to play that provides a more fulfilling golf experience. The location of Hyannis GC is perfect. We are located at the intersection of what are arguably the two busiest roads on Cape Cod, Exit 6 on Rte 6 and Rte 132. For most, the first thing people see upon entering the Town of Barnstable is Hyannis Golf Course. Is this first impression a good one? The Hyannis GC facility has great potential. As an Enterprise fund it is critical to our operation that we have the ability to generate enough revenue to cover our debt service, operational expenses, and administrative transfers to the town and address capital needs. Our competition is primarily other municipal golf facilities across the Cape. Over the last decade or so most of these courses have been, or are in the process of being upgraded and renovated in order to remain viable and competitive. Our neighboring golf course operators understand the importance that their golf facilities have on the quality of life of their residents and impact on businesses in the local community. Denying or postponing renovations to Hyannis GC will have a negative affect on the number of tournaments we host, group outings, transient fee play, and membership interest, all of which will directly affect revenue generation and the ability to cover costs. Long term postponement will undoubtedly result in a corresponding decline in revenues.

Project Cost Estimates: FY 2016
 Design & Permitting \$216,495
 Construction \$3,330,679
 Mobilization \$ 99,921
 Total Project Cost \$3,647,095

Basis for cost estimates: Cost estimates taken from the Renovation Business Plan based on utilizing the “recommended renovation option” see page 52-53 for details.

Project Time Estimates: Design & Permitting (months) **8** Construction (months) **4**

Project Estimated Completion Date: Fall 2016 or Spring 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$3,647,095	Course Renovation

Source of Funding: The Golf Division Enterprise Fund is developing a business plan reflecting estimated increases in revenues collected as a result of renovating Hyannis Golf Course. The short term goal for the Golf Division would be to contribute a minimum of \$100,000/year toward debt associated with the project assuming we are still responsible for our current debt service obligations and the administrative support transfers to the Town remained the same. The 2015 fee/rate proposal put forward by the Golf Division and supported by the Golf Advisory Committee calls for a modest increase in annual pass fees for members (\$35.00) and contains the first greens fee increase (\$3.00) since 2010. If approved, these and other proposed fee increases could result in an additional increase in revenues collected of approximately \$178,000/year. The Golf Division has seen a gradual increase in revenues over the last couple of years. Greens fee rounds are up, membership participation is up as well as cart and range use.

Operating Budget Impact now or in future: There will be a positive impact to the operating budget in terms of revenue generation upon completion of this project. The modernization of Hyannis GC will result in increased notoriety, renewed interest and curiosity in the golf course. The town will now have two prestigious golf facilities for residents and guests to play. With an aggressive marketing plan to re-introduce Hyannis GC to the New England region, the facility should enjoy a sizeable jump in demand and rounds played annually. We would expect to see an annual increase in rounds by 2,500 initially and gradually work toward 5,000. As word spreads about the new and improved product we expect business to continue to grow for several years. Our marketing program will emphasize the Town of Barnstable as a true golfing destination with the two courses that make up Barnstable Golf. Stay and play business with local hotels and motels will increase as will associated spending at our local restaurants, bars, businesses and area attractions.

Water Supply Enterprise Fund

PROJECT: DPW-16-3 WATER SUPPLY

DEPARTMENT PRIORITY: 3 of 5

Project Working Title: NEW WELL EXPLORATION PROGRAM

Project Location: Various locations Town of Barnstable

Project Description: To continue the on-going new well exploration program with the permitting, design and construction of two or more new wells for the Hyannis Water System. This capital request is for the third of four phases of new well exploration program. The first phase consisted of exploratory test wells, environmental notifications, evaluation and recommendations. The second phase dealt with DEP new source approvals, 8" test well construction, and 5 day pumping tests. This 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 will be the construction phase.

Project Justification: Recent water quality study results indicated that three of the DPW's twelve wells have water quality issues (iron and manganese) that can not be addressed with our current treatment systems. In addition, the Mary Dunn 4 well is under the influence of surface water and can't be used. As a result, four of the twelve wells need to be replaced, or have additional treatment added to them.

Describe Work Previously Accomplished this Proposed Project: A request for proposals is being finalized to accomplish the first two phases of this program.

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: FY 2016 Design & Permitting \$505,000
Project Contingency \$50,500
Total Project Cost \$555,500

Basis for cost estimates: Detailed proposals from two engineering firms

Project Estimated Completion Date: FY2020

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
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 Fund

Operating Budget Impact now or in future: It is expected that some moderate financial impact on the operating contract will occur after FY17 due to slight increases in utility and maintenance costs. The dollar amount will be determined in FY16.

General Fund Projects

Administrative Services Department

PROJECT: ASD-16-1 INFORMATION TECHNOLOGY

DEPARTMENT PRIORITY: 1 of 2

Project Working Title: REPLACE EXISTING OLD TELEPHONE SYSTEM WITH A VOIP (Voice over Internet Protocol) system

Project Location: Town Hall and all other Town and School buildings

Project Description: Now that the Information Technology Department has constructed a 65 mile fiber optic network that connects all town and school buildings it makes sense to leverage the fiber network to consolidate the various independent old phone systems currently in place with a VOIP (Voice over Internet Protocol) system.

Project Justification:: The existing telephone system(s) have been in service for 14 years and are long past their life cycles. The various systems are different brands of equipment with parts becoming hard to find. Some of the systems are at capacity and are unable to add additional phone lines. The different systems are not directly connected to one another requiring full digit phone numbers to talk to other systems instead of a 4 digit extension number across the organization. Individual systems operating in isolation all have different methods and costs to connect to the phone company. The different systems have features and phone sets that require different user training. Using VOIP across the town will allow standardized features and simplify training and provide centralized connections to the phone company/provider. More details will follow. I.T. wanted to get this in the queue for FY17.

Impact Of Denial/Postponement: Risk of phone systems failing and not being able to be repaired.

Project Cost Estimates: FY 2016

Basis for cost estimates: Written quote from state contract vendor.

Project Estimated Completion Date: To be determined

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$700,000	Design and then implement VOIP for town and schools
2018	\$34,663	Enterprise support for new system
2019	\$34,663	This may increase each year
2020	\$34,663	This may increase each year

Source of Funding: General Fund

Operating Budget Impact now or in future:: There will be a yearly support fee as shown above. There is also the possibility that one new position will be needed to support this system..

Community Services Department

PROJECT: CSD-16-1 MARINE & ENVIROMENTAL AFFAIRS

DEPARTMENT PRIORITY: 1 of 13

Project Working Title: BARNSTABLE OUTER HARBOR DREDGE

Project Location: Barnstable Outer Harbor, Barnstable

Project Description: This project involves the design, permitting and dredging of the Barnstable Outer Harbor by means of the Barnstable County Dredge. Sand from this operation may be deposited and spread on the Millway Beach or Sandy Neck, pending options permitted. This sand may be used to further build the beach to protect the adjacent sediment basin.

Project Justification: The Outer harbor and approach channel to the Inner Harbor Basin continues to fill in and is a hazard to navigation without this maintenance dredging. Ideally this project would wait until the stabilize dredge plan and permit ore complete, but it is felt that it cannot wait that long.

Describe Work Previously Accomplished this Proposed Project: The Inner Harbor has been dredged and Millway Beach soft protection of the sediment basin is under design and permitting with construction to follow during the winter of 2015. Funding from MA Coastal Resilience Pilot Program Grant has been incorporated into this project.

Impact Of Denial/Postponement: The Outer Harbor channel will fill in with sand and reduce the channel to a dangerous condition which could threaten commercial and recreational boat traffic.

Project Cost Estimates:

FY 2016	Design & Permitting \$98,882
	Construction \$975,268
	Construction Contingency \$59,928
	Project Management \$32,961
	Project Contingency \$32,961
	Total Project Cost \$1,200,000

Basis for cost estimates: Based upon past dredging projects with the County Dredge and coastal engineering

Project Estimated Completion Date: Summer, 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,200,000	Design, Permitting, Dredging, Construction

Source of Funding: General Fund with possible funding from the State, based upon availability.

Operating Budget Impact now or in future: None.



Barnstable Outer Harbor Channel with Sand Closing In

Project Working Title: CRAIGVILLE BEACH HOUSE RENOVATIONS**Project Location:** Craigville Beach Road, Centerville**Project Description:** This project would fund the improvements at the Town's Beach Houses. This multi-year project is a continuation of a beach program to keep bath houses updated on the interior & exterior, and be fully operational.**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.**Describe Work Previously Accomplished this Proposed Project:** Septic system designed at Craigville. The Kalmus pavilion has been repaired with new wood columns. Funding in FY2014 (\$115,000) allowed for the initiation of design and permitting services for the Craigville Bathhouse. Additional funds are needed in FY2016 for permitting and the completion of design documents. FY 2017 will seek contract administration services and construction funding for this premier south shore beach facility.**Impact Of Denial/Postponement:** Continued deferred maintenance of these facilities will contribute to their deterioration and demand a total and costly replacement. Replacement of worn facilities with new ones will insure the high standard of recreational facilities in our town.

Project Cost Estimates: FY 2016

Design & Permitting	\$265,400
Construction	\$3,223,385
Project Management	\$25,000
Project Contingency	\$15,000
Total Project Cost	\$3,528,785

Basis for cost estimates: In-house Architect's estimate**Project Estimated Completion Date:** Spring, 2019**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$3,528,785	Craigville Beach House Renovations
2017	\$ 129,000	Osterville Beach House Design + Renovations
2018	\$ 407,400	Loop Beach House Renovations
2019	\$1,594,300	Design and Construction for Covell's Beach House
2020	\$ 407,400	Dowses Beach House Renovation

Source of Funding: General Fund**Operating Budget Impact now or in future:** With new construction technology, we will realize continued savings in energy and maintenance costs.

Project Working Title: KALMUS BEACH PARKING LOT - REPAVING**Project Location:** Kalmus Beach Parking Lot off Ocean Street, Hyannis**Project Description:** Cleaning and repaving of entire existing asphalt parking and access area. Restriping all parking stalls and traffic markings. Improving storm drainage systems.**Project Justification:** Existing paving is deteriorating, failure to repair now with a thin pavement overlay will result in the need for a more extensive and expensive fix in the future. Poor surface drainage is contributing to pavement deterioration and inconveniencing users of the facility.**Impact Of Denial/Postponement:** The parking lot will deteriorate further, resulting in the need for complete reconstruction. The facility will not serve our many visitors adequately.

Project Cost Estimates: FY 2016

Design & Permitting	\$27,260
Construction	\$206,513
Construction Contingency	\$20,651
Total Project Cost	\$254,424

Basis for cost estimates: DPW Engineering utilizing current unit pricing from Town construction contracts and comparison with competitive professional consultant contracts entered into with the Town for design & permitting.**Project Estimated Completion Date:** April 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$254,424	Design, Permitting & Construction

Source of Funding: General Fund**Operating Budget Impact now or in future:** Parking lot needs continued sweeping. Within approximately 5 years crack sealing. Budget Amount \$10,000

Project Working Title: WEST BAY ENTRANCE CHANNEL & NORTH BAY DREDGE - SURVEY, DESIGN & PERMITTING

Project Location: West Bay, Cotuit

Project Description: This project involves the survey, design and permitting for the continued maintenance dredging of the West Bay entrance channel and North Bay channel.

Project Justification: These channels provide important navigational access thru the bays for a significant number of recreational and commercial boats. The failure to maintain these channels can result in very dangerous conditions which can threaten the safety of our residents and risk serious damage to boats.

Impact of Denial/Postponement: The channels will continue to shoal and eventually completely close off access for recreational and commercial boating into the three bay area.

Project Cost Estimates: FY 2016

Design & Permitting	\$150,000
Project Management	\$15,000
Project Contingency	\$15,000
Total FY16 Project Cost	\$180,000

Basis for cost estimates: Environmental engineering and in-house estimate

Project Estimated Completion Date: Summer, 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$180,000	Survey, Design & Permitting
2017	\$235,000	Dredging

Source of Funding: General Fund

Operating Budget Impact now or in future: None

Project Working Title: CENTERVILLE RECREATION BUILDING SITE DESIGN

Project Location: 524 Main Street, Centerville

Project Description: Parking expansion, new playground, play field improvements

Project Justification: The existing playground is unsafe by current standards. Parking is inadequate as the building and grounds are heavily used. The existing ball field has deep holes and ruts and is at the end of its useful life. Currently there is not handicapped access to the playground.

Impact of Denial/Postponement: The existing facility will continue to be sub-standard.

Project Cost Estimates: FY 2016 Design & Permitting \$104,425
 Project Management \$34,808
 Project Contingency \$34,808
 Total Project Cost \$174,041

Basis for cost estimates: In-house estimate

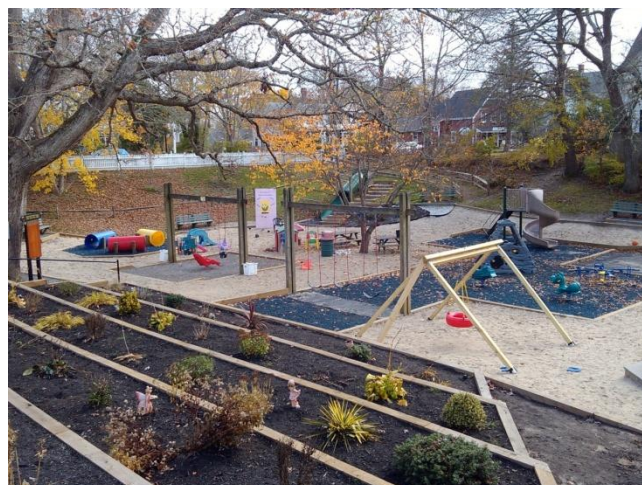
Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$174,041	Design
2017	\$696,164	Construction

Source of Funding: General Fund

Operating Budget Impact now or in future: With new construction, maintenance should be minimal for the next few years.



Heavily Used Community Center Play Area

Project Working Title: Blish Point Sand Management - 3 Phase Project**Project Location:** Blish Point & Millway Beach, Barnstable

Project Description: This project involves a three phase approach to the sand loss issues at Blish Point. The first phase (currently underway) was for the design and construction of an immediate, near term, "soft" solution to protect the point. The second phase involves designing and permitting a more permanent solution for the sand management at Blish Point. The third phase involves the construction of a more permanent solution to deal with the sand transportation issue.

Project Justification: On two occasions a side slope soft solution for erosion control to protect the sedimentation basin has been installed, and each time it has failed. The erosion along the dune edge has continued to provide the source of sand and sediment that is filling in the Barnstable Inner Harbor. This has resulted in the need for regular removal of deposited sand at the State boat ramp, and sand continues to fill in the recently dredged areas of the harbor. A more permanent solution to the erosion issue is needed.

Project Status: Prior Funding \$215,000 with an additional \$186,500 Grant from the MA Coastal Resilience Pilot Grant.

Describe Work Previously Accomplished this Proposed Project: Phase I short term design, permitting and soft construction underway.

Impact of Denial/Postponement: The dune edge will continue to erode and eventually completely breach the sedimentation basin, releasing undesirable sediment onto the beach and into the Inner Harbor.

Project Cost Estimates: FY 2016

Design & Permitting	\$150,000
Project Management	\$15,000
Project Contingency	\$15,000
Total FY16 Project Cost	\$180,000

Basis for cost estimates: Environmental engineering and in-house estimate

Project Estimated Completion Date: Summer, 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$180,000	Design & permitting of long term solution
2017	\$1,600,000	Construction of restoration of the basin area - long term solution

Source of Funding: Possible funding from MA Coastal Resiliency Grant

Operating Budget Impact now or in future: This work will protect the basin area from loss thus saving future costs for boat ramp/harbor dredging



Blish Point Dune Erosion

Project Working Title: LOMBARD FIELD IMPROVEMENTS**Project Location:** 2377 Meetinghouse Rd, West Barnstable

Project Description: These funds would provide construction funding 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 a rebuilt softball 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, new press box and softball field.

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

Describe Work Previously Accomplished this Proposed 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. The landscape architect design work is underway currently.

Impact Of Denial/Postponement: The heavily used softball field is in poor condition and needs immediate attention. 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. The fields are in need of reconstruction for proper drainage and of a flat smooth surface so as not to be a hazard to the players. Funding for construction is now needed.

Project Cost Estimates: FY 2016	Design & Permitting \$38,000
	Construction \$900,000
	Construction Contingency \$30,000
	Project Management \$10,000
	Project Contingency \$10,000
	Total Project Cost \$988,000

Basis for cost estimates: DPW Engineering Estimate**Project Estimated Completion Date:** Summer 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$988,000	Additional Design & Parking lot expansion & pavement, landscaping, drainage, site lighting, new bleachers, and fencing, press box & new baseball field

Source of Funding: General Fund Also, Potential of future CPA funding

Operating Budget Impact now or in future: Additional cost of energy \$1,500 for site lighting beginning FY2018



Press Box and Ball Field

Project Working Title: CENTERVILLE COMMUNITY BUILDING IMPROVEMENTS**Project Location:** 524 Main Street, Centerville

Project Description: Additional interior and exterior 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 the repair tasks and such related costs, which are of greatest concern. These improvements include:

- Replace worn out aluminum windows with new energy efficient historic wood windows.
- Install wall and ceiling insulation for energy savings
- Install interior 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 high energy costs and make a more comfortable facility.

Describe Work Previously Accomplished this Proposed Project: Clapboards have been removed and replaced, 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. Exterior painting has been completed and the rear fire escape has been replaced.

Impact Of Denial/Postponement: Lack of funding will result in continued overpayment of high energy costs resulting from below standard insulation and cold infiltration from old windows. Continued deferred maintenance will result in continued deterioration of interior finishes, and mechanical systems.

Project Cost Estimates: FY 2016	Construction \$184,800
	Construction Contingency \$18,480
	Project Management \$10,164
	Project Contingency \$10,164
	Total Project Cost \$223,608

Basis for cost estimates: In house architect assisted estimate**Project Estimated Completion Date:** Fall 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$223,608	Exterior insulation, exterior window and door replacements, window blinds

Source of Funding: General Fund

Operating Budget Impact now or in future: Based on current heating costs we are projecting to save \$2,000 a year from the window and insulation project.



Centerville Community Center

Project Working Title: WEST BAY BREAKWATER - CONSTRUCTION**Project Location:** West Bay, Osterville

Project Description: Because of a detailed survey and analysis by Ocean & Coastal Consultants, as publicized in a report dated March 2014, the recommended repair will reset the existing armor stones currently displaced (replacing stone as needed). A second layer of armor stone sized up to the 100-year design interval will be integrated with the current armor layer, increasing the thickness of the armor layer. Stability of the armor stone will be increased by softening the existing 1.5H:1V slope to a 2H:1V slope. A 15-foot wide toe comprised of armor stone will be installed around the breakwaters (East to West).

Project Justification: Numerous storms, heavy seas and constant turbulence have damaged the stone breakwaters that protect either side of the channel entering the West Bay from Nantucket Sound over the years. The integrity of the structure is now compromised; the breakwaters have lost stones from either sides and have settled. The breakwaters provide for safe navigation in the area and prevent shoaling of the entrance channel.

Describe Work Previously Accomplished this Proposed Project: Existing conditions survey, analysis and preliminary design(report) completed. Final design in progress.

Impact of Denial/Postponement: If not remedied, the shoaling in the inlet will worsen and the channel become non navigable. Water quality in the bay will be compromised.

Project Cost Estimates: FY 2016	Construction \$3,819,000
	Construction Contingency \$380,000
	Construction Services \$190,000
	Project Management \$219,450
	Total Project Cost \$4,608,450

Basis for cost estimates: Consultant Construction Estimate with Industry Standard contingencies (10% Construction, 5% Construction Inspection, 5% Construction Management)

Project Estimated Completion Date: December 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$4,608,450	Construction

Source of Funding: General Fund

Operating Budget Impact now or in future: A fully repaired breakwater would require no annual maintenance for an extended period.



Breakwater Damaged by Storms

Project Working Title: Mill Pond & Long Pond Fish Ways - Construction

Project Location: Mill Pond Adjacent to Route 149, Marstons Mills & Long Pond off Holly Lane, Centerville

Project Description: Rehabilitation work at the Mill Pond site including repair of the concrete flume, dam and associated access walks and fencing. Construction at the Long Pond site of a permanent control structure and fish way, together with stream bank stabilization. By July 2015 the design and cost estimating will be completed for this project.

Project Justification: Fish ways and associated works provide a basis for the continuation of the historic and natural process of fish passage to spawn in our ponds. There are extensive cultural and economic benefits associated with this project. The Mill Pond site will be coordinated with the upcoming Marstons Mills Village Center Improvement project

Describe Work Previously Accomplished this Proposed Project Project design for both sites will be completed by July 1, 2015.

Impact Of Denial/Postponement: Delay of appropriating construction funding for these projects will result in continuation of the inability of fish to access headwaters and therefore upset the balance of nature in the ponds. This in turn will negatively affect the cultural and economic benefits to be gained.

Project Cost Estimates: FY 2016 Total Project Cost \$TBD

Basis for cost estimates: Will be determined by Professional Consultant

Project Estimated Completion Date: March 2016

Method of Project Accomplishment: Public Bid

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$TBD	Construction and Construction Management

Source of Funding: General Fund

Operating Budget Impact now or in future: New Construction will require minimal maintenance

Public Works Department

PROJECT: PW -16-3 ADMINISTRATION

DEPARTMENT PRIORITY: 3 of 25

Project Working Title: DPW ADMINISTRATION & HIGHWAY SUPPORT FACILITIES

Project Location: 382 Falmouth Road, Hyannis

Project Description: Construction of the Administrative and Highway Division managerial offices, employee lockers, showers, toilet rooms and general fitness area within the current garage area of the existing Administration/Highway building. The design and construction of the new truck garage (Phase IV) and the design and construction of a new salt shed (Phase V) are listed in separate CIP requests.

Project Justification: The third phase of this five-phase project will provide much needed office space and consolidation of the administrative staff. Construction will also allow for the removal of the remaining old "temporary" staff trailer facility (which is near the end of its useful life), thus increasing much needed parking. At the completion of this project, the Town Architect Staff will join the rest of the administrative staff in this building.

Describe Work Previously Accomplished this Proposed 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 has 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 Administrative and Highway offices at this 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.

Project Cost Estimates: FY 2016	Design & Permitting \$ 56,302
	Construction \$1,279,584
	Construction Contingency \$127,958
	Project Management \$70,377
	Project Contingency \$70,377
	Total Project Cost \$1,604,598

Basis for cost estimates: DPW In-house estimate

Project Estimated Completion Date: Spring 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,604,598	Phase III - Design & Construction

Source of Funding: General Fund

Operating Budget Impact now or in future: Phase III should have a negligible impact on the Operating Budget. Utility costs for the new spaces will be offset by elimination of the utilities on the existing, inefficient, temporary trailers that currently house employees.

Project Working Title: NEW SIDEWALK CONSTRUCTION PROJECTS

Project Location: Bumps River Road, Centerville (Fuller Road to Babbling Brook Road), Main Street Cotuit (Ocean View Avenue to Freedom Hall) and South Street Hyannis (Ocean Street to Pleasant Street)

Project Description: Installation of new sidewalks at various locations in Town.

Project Justification: Citizens have brought to our attention the need for improvements to our network of sidewalks on Town arterial and connector roads. The staff has reviewed these needs, and has prioritized the requests based on safety considerations, pedestrian activity, and the speed and volume of traffic additional criterion that is also considered is location with respect to activity centers such as schools, libraries, recreational facilities, and commercial areas.

Impact Of Denial/Postponement: Injury to public attempting to walk.

Project Cost Estimates: FY 2016	Design & Permitting \$60,000
	Construction \$600,000
	Construction Contingency \$30,000
	Construction Services \$30,000
	Project Management \$10,000
	Project Contingency \$36,500
	Total Project Cost \$766,500

Basis for cost estimates: Prior sidewalk project costs.

Project Estimated Completion Date: FY 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$766,500	Bumps River Road, Centerville (Fuller Road to Babbling Brook Road), Main Street, Cotuit (Ocean View Avenue to Freedom Hall) South Street, Hyannis (Ocean Street to Pleasant Street)

Source of Funding: General Fund

Operating Budget Impact now or in future: This project will add to the miles of Town sidewalks and will reduce snow and ice removal costs and future maintenance costs.

Project Working Title: TOWN HALL INTERIOR IMPROVEMENTS

Project Location: 367 Main Street, Hyannis

Project Description: This project continues the work needed to maintain the existing building. The exterior restoration work has been completed using CPA funds. Many of the interior improvements planned relate to public health, safety and code issues that need immediate attention. Recommendations from the building study by the historic architect are also contained within the scope of work. Preliminary space programming changes are under design and will be coordinated with the space occupants.

Due to the magnitude of the scope of work for renovations and possible reconfigurations, it is proposed that this work be executed under a multi-phased program. This will allow the Town Hall to function while in the renovation process.

Phase 1 work is proposed for FY16 and includes architectural and engineering design, cost estimating, contract documents and renovation work for the lower basement and first floors of the building. Included will be the relocation of the existing TV Studio, energy efficient room lighting, power distribution, installation of new interior floor, wall and ceiling finishes throughout, renovation of the sprinkler system to suit revised floor plan and upgraded lighting and alarm systems

Project Justification: The Town Hall is the public image of the Town. The building needs continual upgrades and improvements. The public areas in Town Hall are in poor condition and give a negative impression of the Town of Barnstable, with chipped paint, peeling wallpaper and significant water damaged exterior walls. Additional restrooms on each floor are needed. All existing restrooms need renovation and ADA related improvements. The lighting and electrical systems are inefficient and costly. 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 through the walls from the exterior. The existing steam based system is being replaced under a separate CIP. All exterior plaster and drywall surfaces are in need of full replacement. Any plan changes will require basic changes to all building systems. Spreading out this project over several years will only increase the total cost of the project and subject the occupants and residents to years of construction and inconvenience.

Describe Work Previously Accomplished this Proposed Project: Completed work underway includes the installation of circulator pumps for the chilled water system. CPA funds were used to renovate the courtyard vestibule and for major exterior restoration of masonry, and for window and slate roof replacement. The existing old coal fired boilers have been removed from the basement leaving space for the installation of three new modulating boilers and the eventual change over to a new forced hot water system. The new boilers have been purchased and are scheduled to be installed during the winter of 2014. The Town Clerk's Offices have been fully renovated at this time. Stairwell renovation work is currently underway thru FY13 and FY14 CIP funding. This work includes 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.

Impact of Denial/Postponement: Mechanical systems will continue to degrade and require increased maintenance and operating costs. The Fire alarm system will continue to degrade and may result in a system that does not function properly thus compromising life safety. The offices are greatly 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 poor impression of Town Government. With the waterproofing of the exterior

walls being completed, interior walls need major repairs to correct the damage and mold that has occurred by water penetration over many years.

Project Cost Estimates: FY 2016

- Design & Permitting \$61,446
- Construction \$426,620
- Construction Contingency \$85,344
- Project Management \$25,603
- Project Contingency \$25,603
- Total Project Cost \$624,616

Basis for cost estimates: In-house and Architect’s estimate and studies

Project Estimated Completion Date: Phase 1 Fall 2017

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$624,616	Phase I Design & Renovation
2017	\$855,300	Phase II Design & Renovation, Second Floor
2018	\$855,300	Phase III Design + Renovations, Third Floor
2019	\$391,500	Phase IV Design + Renovations, Fourth Floor

Source of Funding: General Fund Other: Possible CPA funds if projects qualify for consideration and CDBG for ADA restroom improvements. Cape Light Compact and Comcast funds may be available to supplement funding.

Operating Budget Impact now or in future: The facility is an existing Town facility that is currently maintained by the DPW. Improvements/upgrades are expected to result in improvement in energy usage with new lighting, insulation and HVAC, and are not expected to adversely impact the Operating Budget.

Project Working Title: MAIN STREET HYANNIS SIDEWALK IMPROVEMENTS

Project Location: Main Street Hyannis, from Center Street to Stevens Street (Both Sides)

Project Description: Repair of trip hazards such as lifting concrete panels, raising sunken electrical pull boxes, and tree pit repairs.

Project Justification: The Highway Division has received many calls and requests for trip hazards along both sides of Main Street Hyannis. We have also had numerous claims filed because of citizens tripping and falling resulting in injury.

Impact Of Denial/Postponement: If denied, temporary repairs such as grinding will continue, however, this type of fix is not adequate long term, or when panels are off- set by an inch or more. This is a public safety issue and the Town of Barnstable could be held liable.

Project Cost Estimates: FY 2016
Construction \$185,000
Construction Contingency \$18,500.00
Total Project Cost \$203,500.00

Basis for cost estimates: Contractor preliminary estimate

Project Estimated Completion Date: December 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$203,500.00	Design and Construction

Source of Funding: General Fund

Operating Budget Impact now or in future: None identified at this time.



Main Street Hyannis Sidewalk Hazardous Conditions

Project Working Title: U.S. CUSTOM HOUSE INTERIOR REPAIRS**Project Location:** 2252 Main Street, Route 6A, Barnstable**Project Description:** This project would fund needed interior repairs for finishes, HVAC systems, and lighting.**Project Justification:** Erected in 1856 the building has been patched, repaired and painted but heavier renovations are now necessary. Handicap access, handicap accessible toilets, and interior finishes need to be addressed.**Describe Work previously accomplished this Proposed Project:** A Historic building study was completed for this building with CPC funds. In 2012, the CPC also approved funds to perform much needed window restoration and limited masonry crack repairs. This project's cost estimate is based on continuing the needed work outlined in the historic building study and reflects only a portion of work needed per the study.**Impact Of Denial/Postponement:** Continued deferred repair of this facility will contribute to its deterioration, and could ultimately result in a increase in repara costs, or require the replacement of existing building items in the future while limiting the publics use of the building.

Project Cost Estimates: FY 2016	Design & Permitting \$49,624
	Construction \$451,129
	Construction Contingency \$45,113
	Project Management \$24,812
	Project Contingency \$24,812
	Total Project Cost \$595,490

Basis for cost estimates: Architect assisted in-house estimate**Project Estimated Completion Date:** June, 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$595,490	Phase III interior design and restoration

Source of Funding: General Fund Possible CPC funds & state grant funds for construction.**Operating Budget Impact now or in future:** This work will result in some reduction in maintenance requirements, but should not have a significant impact on the Operating Budgets.

Project Working Title: U.S. CUSTOM HOUSE SITE IMPROVEMENTS**Project Location:** 3353 Main Street, Route 6A, Barnstable**Project Description:** This project would fund needed site improvements. These funds would provide for design and preservation/renovation/construction.**Project Justification:** Erected in 1856, the building is in the process of a phased restoration. Work to the historic landscape is now necessary. Landscape items such as the historic cast iron fence is deteriorating or missing. Parking areas have deteriorated and become undefined. Stone parking areas need new surfacing.**Describe Work previously accomplished this Proposed Project:** A historic building study was completed for this building with CPC funding. This project's recommendations and cost estimate are based on the results of that study.**Impact Of Denial/Postponement:** Continuing to defer maintenance on this facility will contribute to its deterioration, and will result in increased future repair costs and damage.

Project Cost Estimates: <u>FY 2016</u>	Design & Permitting \$ 23,165
	Construction \$134,288
	Construction Contingency \$20,143
	Project Management \$7,722
	Project Contingency \$7,722
	Total Project Cost \$193,040

Basis for cost estimates: Architect assisted DPW in-house estimate**Project Estimated Completion Date:** Spring, 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$193,040	US Custom House Compound design / construction

Source of Funding: General Fund CPC funds or state historic grants**Operating Budget Impact now or in future:** This facility is an existing facility that is currently maintained by the DPW. These improvements are not expected to impact the Operating Budget.

Project Working Title: BATH HOUSE SEPTIC UPGRADES

Project Location: Loop’s, Dowses, Wequaquet Beaches

Project Description: This project will fund the design and construction of four title V septic systems.

Project Justification: The existng systems are in violation of board of health septic regulations.

Impact Of Denial/Postponement: Use of the facilities will continue to violate current septic regulations. Antiquated systems risk compromising beach water quality.

Project Cost Estimates: FY 2016	Design & Permitting \$25,000
	Construction \$133,100
	Construction Contingency \$13,310
	Project Management \$7,321
	Project Contingency \$7,321
	Total Project Cost \$186,052

Basis for cost estimates: In-house estimate

Project Estimated Completion Date: Summer 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$186,052	Design & Construction

Source of Funding: General Fund

Operating Budget Impact now or in future: New systems will require the same level of maintainence as the old.

Project Working Title: U.S. CUSTOM HOUSE CARRIAGE HOUSE EXTERIOR REPAIRS**Project Location:** 3353 Main Street, Route 6A, Barnstable**Project Description:** This project would fund needed exterior masonry & fenestration repairs of the carriage house building. These funds would provide for design and renovation/construction.**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, causing furthering deterioration.**Describe Work previously accomplished this Proposed Project:** A historic building study was completed for this building with CPC funding. This project's recommendations and cost estimate are based on the results of that study.**Impact Of Denial/Postponement:** Continuing to defer maintenance on this facility will contribute to its deterioration, and will result in increased future repair costs and extensive structural damage.

Project Cost Estimates: FY 2016	Design & Permitting \$17,991
	Construction \$130,371
	Construction Contingency \$19,556
	Construction Services \$10,000
	Project Management \$7,496
	Project Contingency \$20,990
	Total Project Cost \$206,404

Basis for cost estimates: Architect assisted DPW in-house estimate**Project Estimated Completion Date:** Spring, 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$206,404	Custom House Carriage House Exterior Design/Repair

Source of Funding: General Fund CPC funds or state historic grants**Operating Budget Impact now or in future:** This facility is an existing facility that is currently maintained by the DPW. These improvements are not expected to impact the Operating Budget.

Project Working Title: BURGESS BARN IMPROVEMENTS**Project Location:** 559 Route 149, Marstons Mills**Project Description:** This project would fund interior renovations and stabilization of the building interior and access improvements to the Burgess Barn. The work would include floor construction mechanical, electrical, thermal insulation, floor restoration, and installation of ADA toilet facilities.**Project Justification:** Erected in the late 1700's, the building is in a state of significant disrepair and in danger of being lost. Recently CPA funding was approved to preserve the exterior of the building. Funding for FY16 would allow the building to become usable by added ADA access and toilet facilities. Without additional funding the building will sit as an empty shell.**Describe Work previously accomplished this Proposed Project:** Minor maintenance to the building has been conducted by the Marstons Mills Village Association. This work will allow the building to move closer to being usable.**Impact of Denial/Postponement:** Continued deferred renovation of this building will continue it's non-use resulting in deterioration of work previously funded by the Community Preservation Board.

Project Cost Estimates: <u>FY 2016</u>	Design & Permitting \$15,770
	Construction \$179,200
	Construction Contingency \$17,920
	Project Management \$9,856
	Project Contingency \$9,856
	Total Project Cost \$232,602

Basis for cost estimates: Architect assisted in-house estimate**Project Estimated Completion Date:** Fall 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$232,602	Construction / Stabilization

Source of Funding: General Fund Possible CPC funding, if approved for construction**Operating Budget Impact now or in future:** This project is to stabilize an existing Town building and would require marginal increase in utility costs.

Project Working Title: OLD JAIL REPAIRS**Project Location:** 3365 Main Street, Route 6A, Barnstable**Project Description:** This project would fund needed structural, exterior and site improvements to the building. These funds would provide for design, renovation/construction.**Project Justification:** Originally constructed in 1690, the building has been moved, patched, repaired and painted but additional renovations are now necessary. Extensive deterioration of original floor supports have been observed in the basement.**Describe Work previously accomplished this Proposed 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 its continued deterioration.

Project Cost Estimates: FY 2016	Design & Permitting \$28,654
	Construction \$173,658
	Construction Contingency \$17,366
	Project Management \$9,551
	Project Contingency \$19,102
	Total Project Cost \$248,331

Basis for cost estimates: Architect assisted in-house estimate**Project Estimated Completion Date:** June 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$248,331	Design and construction

Source of Funding: General Fund Possible Community Preservation Funds and Stage Grant**Operating Budget Impact now or in future:** These renovations are not expected to have a measurable impact on the Operating Budget.

Project Working Title: POLE BARN GARAGE ADDITION FOR GROUNDS EQUIPMENT**Project Location:** 800 Pitcher's Way, Hyannis**Project Description:** The scope of work includes the design and construction of a needed pole barn addition for the grounds group equipment to be housed at this site. This is a relocation of some of the grounds crew from Mosswood to the S+G site. This will be constructed by the structure's carpentry crew.**Project Justification:** The relocation of some of the grounds crew to this site requires some inside storage of seasonal equipment and for the maintenance of their equipment. The current barn is already full of structure's trucks and equipment.**Impact of Denial/Postponement:** It is important to provide proper interior storage and shop space for the grounds staff in order to maintain their equipment.

Project Cost Estimates:	FY 2016	Design & Permitting \$4,000
		Construction \$25,000
		Construction Contingency \$4,000
		Project Contingency \$3,000
		Total Project Cost \$36,000

Basis for cost estimates: In-house estimate based upon history**Project Estimated Completion Date:** December 2016**Project Cost/Description FY 2016 and Follow-On Years:**

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$36,000	Design, project management + construction

Source of Funding: General Fund Transfer of the remaining funds from FY 15 CIP 3116E Structures and Grounds Facility Upgrade (for roofing of S+G buildings).**Operating Budget Impact now or in future:** Minimal

Regulatory Services Department

PROJECT: RSD -16-3 CONSERVATION

DEPARTMENT PRIORITY: 3 of 3

Project Working Title: FANWORT CONTROL

Project Location: Wequaquet Lake (including Bearse's Pond & Gooseberry Cove)

Project Description: Invasive fanwort control at Wequaquet Lake hot spots via suction harvesting and Sonar™ herbicide

Project Justification: Fanwort is very invasive, and without control will spread throughout the lake, heavily impacting recreational use.

Describe Work Previously Accomplished this Proposed Project: Sonar treatment, suction harvesting

Impact Of Denial/Postponement: Fanwort spread will greatly impact recreation if not controlled

Project Cost Estimates: FY 2016 Construction \$45,000
 Project Management \$5,000 (monitoring)
 Total Project Cost \$50,000

Basis for cost estimates: Prior fanwort control experience

Project Estimated Completion Date: Dec 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$50,000	Fanwort control & water quality monitoring
2017	\$50,000	Fanwort control & water quality monitoring
2018	\$50,000	Fanwort control & water quality monitoring
2019	\$50,000	Fanwort control & water quality monitoring
2020	\$50,000	Fanwort control & water quality monitoring

Source of Funding: General Fund

Operating Budget Impact now or in future: None. All work contracted

School Department

PROJECT: SCH -16-5 FACILITIES

DEPARTMENT PRIORITY: 5 of 23

Project Working Title: BARNSTABLE HIGH SCHOOL LIBRARY AC UPGRADES & REPLACEMENT

Project Location: 744 West Main Street, Hyannis

Project Description): The HVAC units that service the BHS Library & Adjacent Classroom spaces (Nesbitt Units 7, 8 & 9) are at end of life and undersized. After performing a comprehensive feasibility study with CBI Consulting & GG&D Consulting (December 30, 2013) it was discovered that the distribution and return systems associated with unit # 9 were not adequately designed for the 2 story space. Additionally it was determined that the existing aluminum curtain wall and glazing were extremely inefficient at providing thermal resistance.

Project Justification: Currently during the summer months the library space becomes very hot & humid making it very uncomfortable for its occupants. Additionally, there are concerns with respect to the ability to effectively heat the space during the winter months. The completion of this project will provide a more energy efficient and comfortable space.

Describe Work Previously Accomplished this Proposed Project: Expended \$27,000 of \$450,000 appropriation for engineering & feasibility, have repurposed remainder for BHS Café' Exterior Wall Project.

Impact Of Denial/Postponement: Denial or postponement of this project will result in continued deterioration heating, cooling and comfort level and increase in utility costs.

Project Cost Estimates: FY 2016	Design & Permitting \$93,000
	Construction \$2,050,000
	Construction Contingency \$102,000
	Construction Services \$205,000
	Project Management \$100,000
	Project Contingency \$60,000
	Total Project Cost \$2,610,000

Basis for cost estimates: Engineering/Architect Evaluation and Estimates.

Project Estimated Completion Date: September 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$2,610,000	Replacement of AC (3 units), replace ductwork, controls and curtain walls.

Source of Funding: General Fund

Operating Budget Impact now or in future: Completion of this project will realize an estimated energy savings of 20%



BHS Library - Replacement of Air Conditioning Units

Project Working Title: BARNSTABLE HIGH SCHOOL STADIUM BLEACHERS

Project Location: 744 West Main Street, Hyannis

Project Description: Replace existing bleachers and add visitors side bleachers.

Project Justification (why needed): Current bleachers are becoming structurally unsound and unsafe. Floor planks are showing signs of fatigue, bolts, fasteners, and structural members are rusting and deteriorating. Current configuration is not code compliant and due to design and age, retrofitting for compliancy is not possible.

Impact Of Denial/Postponement: Poses significant safety hazard and liability for the Town of Barnstable.

Project Cost Estimates: FY 2016	Design & Permitting \$75,000
	Construction \$900,000
	Construction Contingency \$25,000
	Total Project Cost \$1,000,000

Basis for cost estimates: Enginnering/Manufacturer estimates (CDM Smith & E&D Speciality Stands.

Project Estimated Completion Date: Fall 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$1,000,000	Replace of BHS Stadium Bleachers

Source of Funding: General Fund

Operating Budget Impact now or in future: Will offset required extensive repair costs to maintain current stands to minimum safety standards.



BHS Stadium Bleachers

Project Working Title: BWB/HYW/CENTERVILLE UNIT VENTILATOR UPGRADES

Project Location: Campus Wide

Project Description: Replace original/outdated unit ventilator units at three elementary schools.

Project Justification: Current units are 50+ years old, failing and not operating to current ASHRAE/DLS standards.

Impact Of Denial/Postponement: Denial/postponement will impact air quality, occupant health and heating/ventilation efficiency.

Project Cost Estimates: FY 2016 Construction \$200,000
Total Project Cost \$200,000

Basis for cost estimates: Previous projects/vendor quotes

Project Estimated Completion Date: September 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$200,000	Unit Vent Replacment
2017	\$200,000	Unit Vent Replacment
2018	\$200,000	Unit Vent Replacment
2019	\$200,000	Unit Vent Replacment

Source of Funding: General Fund

Operating Budget Impact now or in future: The unit ventilator replacement will provide the district with gas and electrical energy savings.



Typical Ventilator Unit

Project Working Title: ELECTRIC UTILITY TRANSFORMER UPGRADE

Project Location: Hyannis West Elementary, Barnstable West Barnstable Elementary, Barnstable Community Horace Mann Charter Public, Osterville Elementary, Cotuit Elementary.

Project Description: All five of these locations are still electrically serviced by transformers which are housed in on-site underground vaults. These transformers should be removed and replaced with above ground transformers and all service panels should be upgraded.

Project Justification: Increased Safety and Reliability

Impact Of Denial/Postponement: Denial or postponement of this request could adversely affect service in the event of a transformer failure.

Project Cost Estimates: FY 2016 Construction \$250,000
Total Project Cost \$250,000

Basis for cost estimates: Historical costs for similar work at other sites.

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$250,000	Transformer Replacment & Upgrades

Source of Funding: General Fund

Operating Budget Impact now or in future: Reduced electrical service maintenance costs



HYW Transformer Vault

Project Working Title: BARNSTABLE SCHOOLS FACILITIES BUILDING ROOF REPLACEMENT

Project Location: 895 Falmouth Road, Hyannis

Project Description: The existing roof is 40 years old and is leaking.

Project Justification: We are experiencing leaks throughout the building and have found birds nesting in gaps between soffit and roof. The building houses all of the district's equipment, supplies and files which need to be protected.

Impact of Denial/Postponement: Denial or postponement of this request will result in continued deterioration and leaks causing damage to district equipment and supplies.

Project Cost Estimates: FY 2016 Construction \$75,000
Total Project Cost \$75,000

Basis for cost estimates: Budgetary Estimates

Project Estimated Completion Date: September 2015

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2016	\$75,000	BPS Facilities Building Roof Replacement

Source of Funding: General Fund

Operating Budget Impact now or in future: Will reduce heating costs.



Facilities Maintenance Shop

Project Working Title: WALK-IN COOLER IMPROVEMENTS (HYW & BHS)

Project Location: 549 & 744 West Main Street, Hyannis

Project Description: Replace existing walk-in coolers.

Project Justification: Existing equipment at the end of life, reliability and efficiency issues.

Describe Work Previously Accomplished this Proposed Project: Replacement of Centerville Elementary Walk-In cooler.

Impact Of Denial/Postponement: Denial in approval will result in the continued expense for repairs to operate obsolete equipment and the replacement of spoiled food.

Project Cost Estimates: Future FY17 Construction \$150,000
Total Project Cost \$150,000

Basis for cost estimates: Vendor quotes & previous projects.

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$150,000	Cooler Replacement

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.



Walk in Coolers

Project Working Title: KITCHEN EQUIPMENT UPGRADES

Project Location: All BPS School Kitchens

Project Description Continued campus wide replacement and upgrade of kitchen equipment to be done as a collaborative effort between Food Services & BPS Facilities.

Project Justification: Existing equipment in most schools nearing 20 year end of life. Menu requirements are changing and necessitating the need for updated equipment sets.

Describe Work Previously Accomplished this Proposed Project: In FY'15 have replaced ovens and reach-in refrigerator/freezer units throughout the district.

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: FY 17-19 Construction \$50,000 Each Year
Total Project Cost \$150,000

Basis for cost estimates: Vendor Quotes

Project Estimated Completion Date: FY 2019

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$50,000	Kitchen Equipment
2018	\$50,000	Kitchen Equipment
2019	\$50,000	Kitchen Equipment

Source of Funding: General Fund

Operating Budget Impact now or in future: Reduced energy and maintenance costs



Kitchen Equipment

Project Working Title: BARNSTABLE HIGH SCHOOL FIELD HOUSE IMPROVEMENTS

Project Location: 744 West Main Street, Hyannis

Project Description: Repairs to BHS Field House Interior Space and Floors

Project Justification: Require floor/equipment replacement and painting due to continued use of gym space.

Impact of Denial/Postponement: Postponement of this work will promote additional deterioration and impact safety.

Project Cost Estimates: Future FY18-19 Total Project Cost \$

Basis for cost estimates: Budgetary Estimates

Project Estimated Completion Date: September 2019

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2018	\$250,000	Field House Floors, Walls, Equipment
2019	\$250,000	Field House Floors, Walls, Equipment

Source of Funding: General Fund

Operating Budget Impact now or in future: Will offset preventative maintenance costs for patching damaged and worn areas.



BHS Field House Typical Conditions

Project Working Title: BARNSTABLE UNITED ELEMENTARY COURTYARD IMPROVEMENTS

Project Location: 730 Osterville-West Barnstable Road, Marstons Mills

Project Description: BUE Courtyard had housed a manmade combination pond and wetlands area which significantly contributed to major building moisture infiltration issues. Through student, staff and private contractor efforts, the entire system has been removed, (2012 - 2014). The area now needs be refurbished in a more appropriate style using hardscape/low maintenance materials. The project will continue to be supported by donations ; however, funding will be needed for materials and some professional services.

Project Justification: This funding is needed to complete project and make courtyard a more usable and appropriate space for school and community use.

Impact Of Denial/Postponement: Denial or postponement of this project will render the courtyard space unusable and will create potential safety hazards.

Project Cost Estimates Future FY 2017 Construction \$200,000
Total Project Cost \$200,000

Basis for cost estimates: Verbal/budgetary estimates

Project Estimated Completion Date: November 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$200,000	BUE Courtyard Improvements

Source of Funding: General Fund

Operating Budget Impact now or in future: Hardscape design will allow for minimum maintenance/grounds keeping costs.



BUE Courtyard

Project Working Title: HYANNIS WEST ELEMENTARY EXTERIOR/INTERIOR DOOR REPLACEMENT

Project Location: 549 West Main Street, Hyannis

Project Description: Upgrade and replace aged/dated interior and exterior doors throughout building to improve security and energy savings. This project would include the replacement of front entry doors and vestibule.

Project Justification: Existing doors are > 50 years old and in need of replacement. Current units are warped to the point where air/rodent infiltration has become an issue and building security is at risk.

Impact Of Denial/Postponement: Denial or postponement of this request will lead to further deterioration of door assemblies and increased maintenance costs.

Project Cost Estimates: Future FY 2017 Construction \$300,000
Total Project Cost \$300,000

Basis for cost estimates: Budgetary vendor quotes, past installs and facilities unit rates.

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$300,000	Interior/Exterior Door Replacement

Source of Funding: General Fund

Operating Budget Impact now or in future: Will provide increased energy savings through elimination of air infiltration areas and increased insulation values.



HYW Interior/Exterior Door Improvements

Project Working Title: CENTERVILLE ELEMENTARY SCHOOL WINDOW REPLACEMENT

Project Location: 658 Bay Lane, Centerville

Project Description: Replace remaining single pane window units with dual/thermo pane units to complete previous window replacement project.

Project Justification: Existing units are leaking and inefficient, failure to replace will result in security, maintenance and energy consumption issues.

Impact Of Denial/Postponement: Denial of project will affect building energy usage and security.

Project Cost Estimates: Future 2018 Total Project Cost \$1,000,000

Project Estimated Completion Date: January 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2018	\$1,000,000	Centerville Elementary Exterior Window Replacement

Source of Funding: General Fund

Operating Budget Impact now or in future: Will provide increased building energy efficiency.



Windows needing replacement

Project Working Title: BARNSTABLE PUBLIC SCHOOLS ASBESTOS ABATEMENT

Project Location: District Wide

Project Description: Remove known remaining isolated areas of asbestos throughout the district (Crawlspace hot water pipes, floor tiles, etc.)

Project Justification: Provide asbestos free learning and work spaces.

Impact Of Denial/Postponement: Possible exposure and health risk to students and staff.

Project Cost Estimates: Future FY2017 Total Project Cost \$200,000

Basis for cost estimates: Asbestos/AHERA reports

Project Estimated Completion Date: September 2016

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$200,000	Asbestos abatement (district wide).

Source of Funding: General Fund

Operating Budget Impact now or in future: None



Typical Asbestos Covering Pipes

Project Working Title: BPS CAMPUS WIDE PAVING

Project Location: Campus Wide

Project Description: Pave and repair campus drives and parking lots as needed.

Project Justification: Safety and maintenance.

Impact of Denial/Postponement: Denial or postponement will result in continued deterioration to school/town property assets.

Project Cost Estimates: Future FY18-20 Total Project Cost \$100,000 Each year

Basis for cost estimates: In house estimate

Project Estimated Completion Date: TBD

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2018	\$100,000	Paving
2019	\$100,000	Paving
2020	\$100,000	Paving

Source of Funding: General Fund

Operating Budget Impact now or in future: Reduction in maintenance/repair costs



BHS Parking Lot

Project Working Title: Performing Arts Center Upgrades and Improvements

Project Location: 744 West Main Street, Hyannis

Project Description: Upgrades and improvements to PAC including seating, flooring, painting and interior improvements.

Project Justification: Maintain facility to safe/high operational and visual standards.

Impact Of Denial/Postponement: Continued deterioration due to heavy usage.

Project Cost Estimates: Future FY17-18 Total Project Cost \$200,000

Basis for cost estimates: Budgetary estimates

Project Estimated Completion Date: FY 2018

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$100,000	PAC Upgrades & Improvements
2018	\$100,000	PAC Upgrades & Improvements

Source of Funding: General Fund

Operating Budget Impact now or in future: Reduction in maintenance/repair costs

Project Working Title: BARNSTABLE HIGH SCHOOL ROOF TOP UNIT (RTU) REPLACEMENT

Project Location: 744 West Main St., Hyannis

Project Description: Remove and replace RTU's 1, 2, 3, 4, 5, & 6

Project Justification: Existing Nesbitt units are obsolete and parts are difficult to obtain.

Impact Of Denial/Postponement: Unit failure will greatly affect heating and ventilation in large areas of the high school.

Project Cost Estimates: Future FY17-19 Total Project Cost \$2,250,000

Basis for cost estimates: Budgetary engineering/contractor cost estimates

Project Estimated Completion Date: September 2019

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2017	\$750,000	Replace RTU
2018	\$750,000	Replace RTU
2019	\$750,000	Replace RTU

Source of Funding: General Fund

Operating Budget Impact now or in future: Reliability. Also reduction in repair costs.



High School Nesbit Roof Top Units

Project Working Title: BARNSTABLE HIGH SCHOOL STADIUM SYNTHETIC TURF REPLACEMENT

Project Location: 744 West Main Street, Hyannis

Project Description: Replace field synthetic turf

Project Justification: Existing turf is at end of 10 year life expectancy (Installed November 22, 2010).

Impact Of Denial/Postponement: Denial or postponement of this request could result in rapid deterioration of playing surface and the potential for unsafe playing conditions.

Project Cost Estimates: Future FY2020 Total Project Cost \$800,000

Basis for cost estimates: Cost estimate from engineering and turf contractors.

Project Estimated Completion Date: September 2019

Project Cost/Description FY 2016 and Follow-On Years:

<u>FY</u>	<u>Cost</u>	<u>Project Description/Components</u>
2020	\$800,000	Synthetic Turf Replacement

Source of Funding: General Fund

Operating Budget Impact now or in future: None, exterior improvement only.



High School Synthetic Turf

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APPENDICES

APPENDIX A FISCAL YEAR 2016 CAPITAL BUDGET APPROPRIATION ORDERS

APPROPRIATION TRANSFER AND LOAN ORDER 2015-085

Water Supply Enterprise Fund Capital Improvements Plan (Two-thirds 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 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$150,000** be transferred from the Water Supply Enterprise Fund Reserves, and that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$900,000**, 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 2015-086

Water Supply Enterprise Fund Capital Improvements 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 2016 - FY 2020 Capital Improvements Plan and 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 2015-087

Water Supply Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$615,000** be appropriated for the purpose of funding the painting and repairs to the water tank – Mary Dunn 2 – for the Hyannis Water System as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$615,000**, 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 2015-088

Water Supply Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$1,037,000** be appropriated for the purpose of funding the water main replacement on Barnstable Road for the Hyannis Water System as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$1,037,000**, 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 2015-089

Water Pollution Control Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$84,500** be appropriated for the purpose of funding the design for relining sewers and laterals on South Street as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$84,500** be transferred from the Water Pollution Control 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 2015-090

Water Pollution Control Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$200,000** be appropriated for the purpose of funding an evaluation of the sewer collection system as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$200,000** be transferred from the Water Pollution Control 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 2015-091

Water Pollution Control Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$1,000,000** be appropriated for the purpose of funding the rehabilitation of the clarifiers at the wastewater treatment plant as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$1,000,000**, 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 2015-092

Solid Waste Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the replacement of the truck scale as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** 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 2015-093

Solid Waste Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$280,000** be appropriated for the purpose of funding the acquisition of a rubber tire wheel loader as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$280,000** 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 2015-094

Solid Waste Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the acquisition of a roll-off trailer as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** 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 2015-095

Solid Waste Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$100,000** be appropriated for the purpose of funding the acquisition of four new 5.5 yard compactor units for the recycling area as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$100,000** 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 2015-096

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$3,250,000** be appropriated for the purpose of funding the public roads improvements program as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$3,250,000** be transferred from available funds within the 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 2015-097

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$92,700** be appropriated for the purpose of funding the replacement of school zone traffic lights as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$92,700** be transferred from available funds within the 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 2015-098

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$400,000** be appropriated for the purpose of funding the guardrail and sidewalk improvements program as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$400,000**, 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 TRANSFER AND LOAN ORDER 2015-099

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$289,000** be appropriated for the purpose of funding the Bay Street boat ramp and parking area improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$142,000**, and that **\$9,638** be transferred from available funds under council order 2012-097, and that **\$21,990** be transferred from available funds under council order 2018-016, and that **\$23,095** be transferred from available funds under council order 2010-069, and that **\$92,277** be transferred from available funds under council order 2010-112, 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 2015-100

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$355,000** be appropriated for the purpose of funding the police facility improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$355,000**, 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 2015-101

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$939,000** be appropriated for the purpose of funding the Town Hall improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$939,000**, 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 TRANSFER AND LOAN ORDER 2015-102

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$733,000** be appropriated for the purpose of funding the private roads repair improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$488,000**, and that **\$245,000** be transferred from available funds under council order 2013-066, 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 2015-103

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$87,000** be appropriated for the purpose of funding design and permitting costs for the restoration of the JFK Memorial as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$87,000** be transferred from available funds within the 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 2015-104
Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$55,000** be appropriated for the purpose of adding private roads to the town's asset management system as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$55,000** be transferred from available funds within the 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 2015-105
Golf Course Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$174,000** be appropriated for the purpose of funding facility improvements at the Olde Barnstable Fairgrounds Golf Course as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$174,000**, 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 2015-106
Golf Course Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$140,000** be appropriated for the purpose of funding facility improvements at the Hyannis Golf Course as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$140,000**, 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 2015-107
Sandy Neck Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$352,000** be appropriated for the purpose of funding a beach stabilization system as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$352,000**, 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 2015-108

Marina Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$280,000** be appropriated for the purpose of funding the maintenance dredging of Gateway Marina as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$280,000**, 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 2015-109

Marina Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$570,000** be appropriated for the purpose of funding the reconstruction of the Prince Cove Marina bulkhead as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$570,000**, 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 2015-110

Marina Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$158,000** be appropriated for the purpose of funding the study and preliminary design of the reconstruction of the Hyannis Harbor Bulkhead as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$158,000**, 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 TRANSFER AND LOAN ORDER 2015-111

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$317,000** be appropriated for the purpose of funding the site improvements at Joshua's Pond as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$282,000** and that **\$35,000** be transferred from available funds under council order 2012-097, 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 2015-112

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$300,000** be appropriated for the purpose of funding the Hamblin Pond Alum treatment as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that 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 TRANSFER ORDER 2015-113

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$100,000** be appropriated for the purpose of funding the Hydrilla control program as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$86,950** be transferred from available funds within the Capital Trust Fund and that **\$13,050** be transferred from available funds under council order 2014-103, 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 2015-114

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the permitting, demolition and disposal of three portable structures at the former Marstons Mills Elementary School as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$39,598** be transferred from available funds within the Capital Trust Fund and that **\$10,402** be transferred from available funds under council order 2013-113, 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 2015-115

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$3,720,000** be appropriated for the purpose of funding the Elementary School Modular Classroom Construction project as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$3,720,000**, 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 2015-116

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$3,353,000** be appropriated for the purpose of funding the Barnstable Intermediate School Façade & Roof Improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$3,353,000**, 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 2015-117

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$260,000** be appropriated for the purpose of funding the design of the Barnstable Community Horace Mann Charter Public School facade improvements and roof replacement as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$260,000**, 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 2015-118

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$213,000** be appropriated for the purpose of funding the School Department internet and digital resources improvements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$168,584** be transferred from available funds within the Capital Trust Fund and that **\$17,540** be transferred from available funds under council order 2012-097, and that **\$22,996** be transferred from available funds under council order 2013-104, and that **\$3,880** be transferred from available funds under council order 2014-099, 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 2015-119

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$350,000** be appropriated for the purpose of funding the High School and Intermediate School boiler replacements as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$350,000**, 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 2015-120

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$250,000** be appropriated for the purpose of funding the West Villages Elementary School air conditioning replacement as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$250,000**, 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 2015-121

Capital Trust Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$50,000** be appropriated for the purpose of funding the installation of a cogeneration plant at the Barnstable Intermediate School as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$50,000** be transferred from available funds within the 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 2015-122

Airport Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$3,800,000** be appropriated for the purpose of funding the reconstruction of taxiway Charlie and a portion of taxiway Delta as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$3,800,000**, 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 2015-123

Airport Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$1,075,000** be appropriated for the purpose of funding the replacement of snow removal equipment as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$1,075,000**, 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 2015-124

Airport Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$90,000** be appropriated for the purpose of funding the design and replacement of the airfield vault emergency generator and the removal of an underground storage tank as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and 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 TRANSFER ORDER 2015-125

Airport Enterprise Fund Capital Improvements Plan (majority vote)

ORDERED:

That the sum of **\$125,000** be appropriated for the purpose of funding drainage improvements at Hanger 2 as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$125,000** 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 2015-126

Airport Enterprise Fund Capital Improvements Plan (Two-thirds vote)

ORDERED:

That the sum of **\$660,000** be appropriated for the purpose of funding the design and construction of an airport access road on the east said along with security fencing as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that the Town Treasurer, with the approval of the Town Manager, is authorized to borrow **\$660,000**, 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 2015-127

Airport Enterprise Fund Capital Improvements Plan (Majority vote)

ORDERED:

That the sum of **\$162,000** be appropriated for the purpose of funding the replacement of airfield equipment as outlined in the FY 2016 - FY 2020 Capital Improvements Plan and recommended by the Town Manager; and that to meet this appropriation, that **\$162,000** 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.

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APPENDIX B AMORTIZATION SCHEDULES AS OF JUNE 30, 2015

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY2025
General Fund Bonds													
CTF Land Acquisition - Hyannis Golf Course Subseq Refundings	02/15/07	02/15/26	748,000	56,388	54,665	52,065	49,310	47,600	46,080	44,560	43,040	35,520	34,240
CTF Land Acquisition - CAP	06/15/08	06/15/23	365,200	32,010	30,930	30,030	28,890	27,930	26,970	26,010	25,020	-	-
CTF Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	163,850	154,650	145,600	140,400	135,200	-	-	-	-	-
Total Land Acquisition				252,248	240,245	227,695	218,600	210,730	73,050	70,570	68,060	35,520	34,240
CTF School Facilities Repair	02/15/07	02/15/17	339,000	32,400	31,200	-	-	-	-	-	-	-	-
CTF BHS Cogeneration	02/15/07	02/15/17	500,000	54,000	52,000	-	-	-	-	-	-	-	-
High School Construction - Refunded	02/15/07	02/15/19	27,486,190	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	182,300	176,300	165,300	158,050	150,800	-	-	-	-	-
Barnstable Middle School - Refunded 1	02/15/07	02/15/20	7,071,300	837,260	799,660	757,660	719,200	681,200	-	-	-	-	-
CTF School Upgrades 1 Subseq Refunding Bonds	02/15/07	02/15/22	360,000	31,321	30,427	28,127	27,360	21,280	20,520	19,760	-	-	-
CTF School Facilities Repair & Improvement Subseq Refunding	02/15/07	02/15/22	660,000	57,586	55,190	51,390	49,455	42,520	41,000	38,480	-	-	-
CTF School Health & Safety Improvements Subseq Refunding B	02/15/07	02/15/26	478,000	35,135	33,780	31,780	30,700	29,620	28,660	27,700	21,740	19,980	19,260
CTF MME Roof Replacement Subseq Refunding Bonds	02/15/07	02/15/26	750,000	56,295	54,856	52,056	49,510	47,800	46,280	44,760	43,240	40,720	34,240
CTF School Upgrades 2 Subseq Refunding Bonds	02/15/07	02/15/27	150,000	12,591	12,266	6,766	6,645	6,420	6,220	6,020	5,820	5,620	4,920
CTF BHMCS Roof Subseq Refunding Bonds	02/15/07	02/15/27	910,000	65,092	63,481	60,581	57,705	55,770	54,050	52,330	50,610	48,890	46,170
CTF School Facility Improvements 1 (I)	06/15/08	06/15/28	916,600	51,763	45,188	44,063	42,638	41,438	40,238	39,038	37,800	36,525	35,250
CTF School Building Improvements	06/15/10	06/15/30	936,000	75,869	73,369	65,869	64,744	62,494	61,144	59,794	58,331	56,869	55,294
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	71,419	70,069	68,719	66,919	65,119	63,319	61,519	59,719	57,919	56,400
CTF School Facilities Upgrades/Repairs I	06/14/11	06/15/16	65,000	10,300	-	-	-	-	-	-	-	-	-
CTF School Equipment (I)	06/14/11	06/15/16	193,000	36,050	-	-	-	-	-	-	-	-	-
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	41,900	40,850	34,800	33,600	32,400	31,200	-	-	-	-
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	6,300	6,150	6,000	5,800	5,600	5,400	5,200	-	-	-
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	19,213	13,763	13,463	13,063	12,663	12,263	11,863	11,463	11,063	10,725
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	19,763	19,313	18,863	18,263	12,663	12,263	11,863	11,463	11,063	10,725
CTF School Improvement (I)	06/14/11	06/15/26	487,000	47,688	46,638	45,588	39,188	37,988	36,788	35,588	34,388	33,188	32,175
Current Refund School 8/15/01	04/18/12	09/15/14	1,913,700	-	-	-	-	-	-	-	-	-	-
Advance Refund 6/15/2003 HS Addition & Renovation	04/18/12	09/15/18	58,100	11,193	10,843	10,443	8,222	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	24,980	24,280	23,480	22,780	22,180	21,580	17,940	15,300	-	-
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	32,249	31,339	30,299	29,389	28,609	22,806	21,192	20,196	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	73,500	71,700	70,200	69,000	67,500	65,700	63,900	62,250	60,750	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	55,125	53,775	52,650	51,750	50,625	49,275	47,925	46,688	45,563	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	24,500	23,900	23,400	23,000	22,500	21,900	21,300	20,750	20,250	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	24,100	23,500	23,000	22,600	22,100	21,500	15,975	15,563	15,188	-
CTF Intermediate School roof & Façade Design	11/22/13	11/15/18	100,000	21,700	21,100	20,600	20,200	-	-	-	-	-	-
CTF School Hot Water Pump Replacement	11/22/13	11/15/18	85,000	21,350	15,825	15,450	15,150	-	-	-	-	-	-
CTF School Gym Bleacher Upgrades	11/22/13	11/15/18	55,000	10,850	10,550	10,300	10,100	-	-	-	-	-	-
CTF School Grounds Maintenance Equipment	11/22/13	11/15/18	150,000	32,550	31,650	30,900	30,300	-	-	-	-	-	-
CTF School Kitchen equipment	11/22/13	11/15/18	110,000	26,775	21,100	20,600	20,200	-	-	-	-	-	-
CTF Early Learning Center Modular Facility	02/15/15	06/30/35	2,000,000	165,758	164,125	162,125	157,625	153,125	149,125	145,125	141,125	137,125	133,125
Total Schools				5,733,621	5,591,983	5,407,718	5,324,653	1,699,411	837,228	747,270	656,444	600,710	438,284

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY2025
General Fund Bonds													
CTF Private Road Repairs	06/15/08	06/15/23	1,607,900	142,711	137,896	133,884	128,801	124,521	120,241	115,961	111,548	-	-
CTF Traffic Calming	06/14/11	06/15/16	50,000	10,300	-	-	-	-	-	-	-	-	-
CTF Bridge Repair	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	42,700	41,650	40,600	39,200	37,800	36,400	-	-	-	-
CTF Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	34,225	33,475	32,725	31,725	30,725	29,725	23,725	22,925	22,125	21,450
CTF Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	5,898	5,723	5,523	5,348	5,198	4,162	-	-	-	-
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	25,028	24,328	23,528	22,828	22,228	21,628	18,968	15,504	-	-
CTF Private Road Repairs (I)	11/22/13	11/15/23	633,000	79,075	77,125	75,500	74,200	72,575	65,700	63,900	62,250	60,750	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	24,250	23,650	23,150	22,750	22,250	21,650	21,050	15,563	15,188	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	17,575	17,125	16,750	11,500	11,250	10,950	10,650	10,375	10,125	-
CTF Guardrail Replacements	11/22/13	11/15/18	60,000	15,925	10,550	10,300	10,100	-	-	-	-	-	-
CTF Sidewalk/Guardrail Improvements 1	02/15/15	06/30/20	200,000	46,762	46,000	45,200	43,400	41,600	-	-	-	-	-
CTF Sidewalk/Guardrail Improvements 2	02/15/15	06/30/20	85,000	22,735	22,350	16,950	16,275	15,600	-	-	-	-	-
Total Public Ways				497,684	469,622	453,110	434,127	410,747	336,456	254,254	238,164	108,188	21,450

CTF Police Station Construction (I) Subseq Refunded Bonds	06/15/05	06/15/25	400,000	25,452	25,313	23,783	23,130	22,320	21,600	20,880	20,160	19,440	18,720
CTF Old Town Hall Phase II (I)	02/15/07	02/15/17	295,000	32,200	26,000	-	-	-	-	-	-	-	-
CTF Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	85,990	82,990	79,790	26,250	-	-	-	-	-	-
CTF Beach Facilities Subseq Refunding Bonds	02/15/07	02/15/22	270,000	24,603	18,585	17,985	16,310	15,680	15,120	14,560	-	-	-
CTF Senior Center - Garden Level Subseq Refunding Bonds	02/15/07	02/15/27	457,000	34,226	33,635	31,635	25,555	24,700	23,940	23,180	22,420	21,660	20,900
CTF Town Building Repairs & Renovations Subseq Refunding Bonds	02/15/07	02/15/27	685,000	50,713	48,870	46,470	44,940	43,410	41,050	39,730	38,410	37,090	30,770
CTF Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	13,338	12,888	12,513	12,038	11,638	11,238	10,838	10,425	-	-
CTF Bismore Park Visitor Center	06/15/08	06/15/23	465,000	41,346	39,951	38,789	37,316	36,076	34,836	33,596	32,318	-	-
CTF Municipal Building Improvements	06/15/08	06/15/28	297,000	7,756	7,531	7,344	7,106	6,906	6,706	6,506	6,300	6,088	5,875
CTF Highway Facility	06/15/10	06/15/30	136,000	11,024	10,660	9,571	9,407	9,080	8,884	8,688	8,475	8,263	8,034
CTF Municipal Facility Improvements	06/15/10	06/15/29	402,500	7,619	7,369	7,119	6,994	6,744	6,594	6,444	6,281	6,119	5,944
CTF Police Facility	06/15/10	06/15/30	508,000	39,094	37,844	36,594	35,969	34,719	33,969	33,219	32,406	31,594	30,719
CTF Municipal Facility Upgrades/Repairs - MEA Building	06/14/11	06/15/16	114,000	20,600	-	-	-	-	-	-	-	-	-
CTF Police Dept. Emergency Generator	06/14/11	06/15/16	271,000	51,500	-	-	-	-	-	-	-	-	-
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	24,280	23,680	23,080	21,280	20,520	19,760	-	-	-	-
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	36,600	35,700	34,800	33,600	32,400	31,200	-	-	-	-
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	12,560	12,260	11,960	11,560	11,160	10,760	9,360	-	-	-
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	12,514	12,164	11,764	11,414	11,114	10,814	10,464	6,732	-	-
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	81,432	79,157	76,557	71,229	67,500	65,700	63,600	61,200	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	61,250	59,750	58,500	57,500	56,250	54,750	53,250	51,875	50,625	-
CTF US Customs House upgrades	11/22/13	11/15/23	263,000	35,700	29,875	29,250	28,750	28,125	27,375	26,625	25,938	25,313	-
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	24,500	23,900	23,400	23,000	22,500	21,900	21,300	20,750	20,250	-
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	23,600	23,000	17,550	17,250	16,875	16,425	15,975	15,563	15,188	-
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	18,375	17,925	17,550	17,250	16,875	16,425	15,975	15,563	15,188	-
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	18,250	17,800	17,425	17,125	16,750	16,300	15,850	15,438	10,125	-
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	17,825	17,375	17,000	16,700	16,325	10,950	10,650	10,375	10,125	-
CTF Beach Facility Design	11/22/13	11/15/18	115,000	26,925	26,175	20,600	20,200	-	-	-	-	-	-

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY2025
General Fund Bonds													
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	17,325	11,950	11,700	11,500	11,250	10,950	10,650	10,375	10,125	-
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	12,250	11,950	11,700	11,500	11,250	10,950	10,650	10,375	10,125	-
CTF Lombard Parking & Ballfield Design	11/22/13	11/15/18	101,000	21,700	21,100	20,600	20,200	-	-	-	-	-	-
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	11,450	11,150	10,900	5,750	5,625	5,475	5,325	5,188	5,063	-
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	11,350	11,050	5,850	5,750	5,625	5,475	5,325	5,188	5,063	-
CTF Centerville Recreation Building	02/15/15	06/30/35	185,000	16,128	15,963	15,763	15,313	14,863	14,463	14,063	13,663	13,263	12,863
CTF Senior Center - Parking Lot Expansion	02/15/15	06/30/30	290,000	29,870	29,525	29,125	28,225	27,325	26,525	25,725	24,925	24,125	23,325
CTF Police Facilities - February 17,2015 Issue	02/15/15	06/30/35	288,000	27,476	24,169	23,869	23,194	22,519	21,919	21,319	20,719	20,119	19,519
Total Public Facilities				986,820	867,253	800,534	713,303	626,123	602,052	533,746	491,059	364,947	176,668
CTF Public Wharves-Dredging-Refunded	02/15/07	02/15/15	155,800	-	-	-	-	-	-	-	-	-	-
CTF Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978	-	-
CTF Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	30,676	29,641	28,779	27,686	26,766	25,846	24,926	23,978	-	-
CTF Boat Ramps - CAP	06/15/08	06/15/23	927,000	82,489	79,699	77,374	73,429	70,989	68,549	66,109	63,593	-	-
CTF Dredging	06/15/10	06/15/24	419,250	39,875	38,375	36,875	36,125	34,625	33,725	32,825	31,850	25,875	-
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	61,231	60,031	58,831	57,231	55,631	54,031	52,431	50,831	44,231	43,050
CTF Refunded Recreational Facility	06/14/11	06/15/16	144,000	36,050	-	-	-	-	-	-	-	-	-
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	30,500	29,750	29,000	28,000	27,000	26,000	-	-	-	-
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	79,300	77,350	75,400	72,800	70,200	67,600	-	-	-	-
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	56,250	55,050	53,850	52,250	50,650	49,050	47,450	45,850	44,250	42,900
CTF East Bay Dredging	11/22/13	11/15/23	600,000	73,500	71,700	70,200	69,000	67,500	65,700	63,900	62,250	60,750	-
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	17,975	17,525	17,150	16,850	16,475	16,025	10,650	10,375	10,125	-
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	17,825	17,375	17,000	16,700	16,325	10,950	10,650	10,375	10,125	-
CTF Blish Point Sand Management	02/15/15	06/30/20	215,000	52,185	51,325	50,425	43,400	41,600	-	-	-	-	-
CTF Dredge Permitting/Planning	02/15/15	06/30/20	341,000	82,431	80,075	78,675	70,525	67,600	-	-	-	-	-
CTF Marstons Mills Fish Run Reconstruction	02/15/15	06/30/30	326,000	41,934	35,375	34,875	33,750	27,625	26,825	26,025	25,225	24,425	23,625
Total Waterways				732,897	672,913	657,213	625,433	599,753	470,148	359,893	348,304	219,781	109,575
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	33,999	33,999	33,999	33,999	33,999	33,999	-	-	-	-
CTF Coastal Water Quality Improvements	06/15/08	06/15/18	250,000	27,120	26,040	25,140	-	-	-	-	-	-	-
CTF Lake & Pond Improvements	06/15/08	06/15/18	250,000	27,120	26,040	25,140	-	-	-	-	-	-	-
CTF Lake Treatment	06/15/10	06/15/25	275,000	26,575	25,575	24,575	24,075	23,075	17,475	17,025	16,538	16,050	15,525
CTF 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	-	-	-	-
CTF Mill Pond Dredge & Lake Wequaquet Planning	06/14/11	06/15/16	430,000	87,550	-	-	-	-	-	-	-	-	-
CTF Wastewater Management Planning	06/14/11	06/15/16	600,000	123,600	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	12,518	12,168	11,768	11,418	11,118	10,818	10,468	6,834	-	-
CTF Nitrogen Management CW-04-31-B Series 16	06/13/12	07/15/20	539,860	72,879	72,977	73,078	73,182	73,288	73,395	-	-	-	-
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	30,075	29,325	28,700	28,200	27,575	21,900	21,300	20,750	20,250	-
CTF Sewer Expansion Analysis	11/22/13	11/15/23	70,000	16,175	15,725	15,350	10,100	-	-	-	-	-	-
Total Water Quality				480,941	265,180	261,081	204,304	192,385	180,917	48,793	44,122	36,300	15,525
Total General Fund Bonds				8,684,212	8,107,196	7,807,350	7,520,421	3,739,150	2,499,851	2,014,525	1,846,152	1,365,446	795,742

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY2025
Enterprise Fund Bonds													
Airport (O)	06/14/11	06/15/31	730,000	53,600	52,700	51,800	50,600	54,400	53,000	51,600	55,200	53,600	52,250
Total Airport Fund Bonds				53,600	52,700	51,800	50,600	54,400	53,000	51,600	55,200	53,600	52,250
Hyannis Golf Course Equipment	02/15/07	02/15/17	550,000	70,200	67,600	-	-	-	-	-	-	-	-
Hyannis Golf Course Acquisition Subseq Refunding Bonds	02/15/07	02/15/25	3,900,000	302,028	303,800	292,200	290,660	289,760	289,600	289,080	288,200	291,960	290,160
Golf Course Maintenance Equipment	02/15/15	06/30/20	200,000	46,762	46,000	45,200	43,400	41,600	-	-	-	-	-
Total Golf Course				418,991	417,400	337,400	334,060	331,360	289,600	289,080	288,200	291,960	290,160
Sewer 91-39, Series 3	08/01/01	02/01/17	948,689	78,553	76,735	-	-	-	-	-	-	-	-
Sewer 91-39, Series 3	08/01/01	02/01/17	(subsidy)	(27,420)	(25,504)	-	-	-	-	-	-	-	-
Sewer 96-28, Series 3	08/01/01	02/01/17	1,484,449	122,915	120,071	-	-	-	-	-	-	-	-
Sewer 96-28, Series 3	08/01/01	02/01/17	(subsidy)	(42,905)	(39,907)	-	-	-	-	-	-	-	-
Sewer 98-27, Series 5	08/25/04	08/01/19	329,295	27,835	30,863	29,398	28,194	26,961	-	-	-	-	-
Sewer 98-27	08/25/04	08/01/19	(subsidy)	(11,313)	(10,664)	(9,985)	(9,441)	(8,491)	-	-	-	-	-
Sewer 98-42, Series 5	08/25/04	08/01/19	216,429	18,695	17,913	17,061	16,357	20,550	-	-	-	-	-
Sewer 98-42, Series 5	08/25/04	08/01/19	(subsidy)	(7,366)	(7,092)	(6,779)	(1,385)	(550)	-	-	-	-	-
Sewer 98-44, Series 5	08/25/04	08/01/19	112,262	10,109	9,685	9,936	9,530	9,113	-	-	-	-	-
Sewer 98-44, Series 5	08/25/04	08/01/19	(subsidy)	(3,845)	(3,640)	(3,414)	(3,229)	(2,908)	-	-	-	-	-
Sewer 98-46, Series 5	08/25/04	08/01/19	1,398,265	124,775	124,326	118,418	118,436	118,163	-	-	-	-	-
Sewer 98-46, Series 5	08/25/04	08/01/19	(subsidy)	(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	33,793	32,549	31,771	31,305	33,983	33,040	32,250	30,750	-	-
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	(12,493)	(12,156)	(11,852)	(11,704)	(10,636)	(10,267)	(9,974)	(9,028)	-	-
Sewer 98-44A	07/14/06	08/01/23	1,582,178	133,052	133,084	132,061	126,434	126,831	126,588	121,424	120,681	115,000	-
Sewer 98-44A	07/14/06	08/01/23	(subsidy)	(53,632)	(51,695)	(49,202)	(46,919)	(45,096)	(42,911)	(40,775)	(38,360)	(34,430)	-
Sewer 98-49A	12/14/06	08/01/23	556,458	50,291	48,410	46,257	44,287	42,747	45,863	43,989	41,976	40,000	-
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	(18,901)	(18,168)	(17,277)	(16,478)	(15,872)	(15,082)	(14,307)	(13,463)	(12,096)	-
Sewer Collection Expansion	02/15/07	02/15/17	640,000	64,800	62,400	-	-	-	-	-	-	-	-
Sewer Turbine Generator	06/15/08	06/15/28	570,000	58,796	36,816	35,916	33,776	32,856	31,936	31,016	30,068	34,090	32,900
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	326,668	326,669	326,668	326,668	326,669	326,668	326,668	326,668	326,668	326,668
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	41,637	41,636	41,636	41,636	41,636	41,637	41,637	41,636	41,637	41,637
Sewer (I)	06/14/11	06/15/21	300,000	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	-	-	-	-	-	-	-	-	-	-
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	107,340	107,329	107,318	107,307	107,295	107,284	107,272	107,259	107,247	107,234
Total Sewer Enterprise Fund				1,012,060	990,067	790,168	788,073	799,450	675,956	639,199	638,186	618,115	508,438
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	5,166,301	488,252	480,765	464,424	465,350	-	-	-	-	-	-
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	(subsidy)	(162,841)	(153,957)	(140,492)	(129,348)	-	-	-	-	-	-
Solid Waste Facility (I) Subseq Refunding Bonds	02/15/07	02/15/27	630,000	43,133	42,326	40,026	38,825	37,520	36,360	35,200	33,040	31,920	30,800
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	31,285	30,410	29,410	28,535	27,785	27,035	22,240	20,910	-	-
Total Solid Waste Fund				399,829	399,544	393,367	403,362	65,305	63,395	57,440	53,950	31,920	30,800

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY 2016	Payments FY 2017	Payments FY 2018	Payments FY 2019	Payments FY 2020	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY2025
Enterprise Fund Bonds													
Water Co. Acquisition Subseq Refunding Bonds	02/15/07	02/15/27	10,000,000	710,562	713,756	689,556	691,615	690,430	693,870	691,350	692,070	691,870	689,750
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,185	169,185	169,184	169,185	169,184	169,184	169,185	169,184	169,184	169,185
DW-09-02 Series 16	06/13/12	07/15/32	910,707	54,798	54,856	54,915	54,976	55,039	55,102	55,167	55,233	55,302	55,370
DWP-11-09 Series 17A	05/22/13	01/15/33	948,146	57,451	57,520	57,591	57,663	57,738	57,813	57,891	57,970	58,050	58,133
DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	33,978	34,019	34,062	34,104	34,148	34,193	34,238	34,285	34,332	34,382
Water Main Loop	02/15/15	06/30/35	540,000	47,937	47,438	46,838	45,488	44,138	42,938	41,738	40,538	39,338	38,138
Total Water Enterprise Fund				1,073,911	1,076,775	1,052,145	1,053,031	1,050,677	1,053,100	1,049,568	1,049,279	1,048,076	1,044,957
Marina Bulkhead Repair II	06/15/11	06/15/30	525,000	41,800	41,050	40,300	39,300	38,300	37,300	41,300	40,100	38,900	37,888
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	124,870	121,370	112,470	109,145	105,310	98,550	95,400	91,800	-	-
Total Marina Enterprise Fund				166,670	162,420	152,770	148,445	143,610	135,850	136,700	131,900	38,900	37,888
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	7,219	7,069	6,919	6,719	6,519	6,319	6,119	5,919	5,719	5,550
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	71,406	70,206	69,006	72,406	70,606	68,806	72,006	70,006	68,006	71,319
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	16,856	16,556	16,256	15,856	15,456	15,056	14,656	14,256	13,856	13,519
Total Sandy Neck Enterprise Fund				95,481	93,831	92,181	94,981	92,581	90,181	92,781	90,181	87,581	90,388
CTF HYCC 1 Subseq Refunding Bonds	02/15/07	02/15/27	1,000,000	71,718	70,546	66,446	64,390	62,230	60,310	58,390	56,470	53,550	51,670
CTF HYCC 2 Subseq Refunding Bonds	02/15/07	02/15/27	8,000,000	579,694	564,190	535,190	515,775	495,450	480,170	463,890	447,650	430,450	413,330
CTF HYCC 3 Subseq Refunding Bonds	02/15/07	02/15/27	1,600,000	115,765	112,845	107,645	103,135	98,670	95,630	92,590	89,550	86,510	82,470
CTF HYCC 4	06/15/08		6,765,000	524,105	508,895	496,220	480,165	466,645	453,125	439,605	425,663	410,298	395,975
Total HYCC Enterprise Fund				1,291,282	1,256,476	1,205,501	1,163,465	1,122,995	1,089,235	1,054,475	1,019,333	980,808	943,445
Land Acquisition - 2004-105 Bonehill	06/15/05	06/15/25	200,000	13,325	12,143	11,813	11,565	11,160	10,800	10,440	10,080	9,720	9,360
Land Acquisition - 06-15-05 - 2004-106	06/15/05	06/15/25	180,000	12,617	12,432	10,832	10,845	11,440	11,040	4,640	4,480	4,320	4,160
Land Acquisition - Hyannis Golf Subseq Refunding Bonds	06/15/05	06/15/25	5,500,000	349,629	338,981	328,741	321,835	308,540	301,580	286,500	277,620	266,700	255,320
Land Acquisition - Archibald Subseq Refunding Bonds	02/15/07	02/15/26	500,000	35,486	34,490	32,490	31,410	30,330	29,370	28,410	26,450	25,530	24,610
Town Hall Renovations	06/15/10	06/15/30	1,332,520	106,894	98,394	95,144	93,519	90,269	88,319	86,369	84,256	82,144	79,869
Land Acquisition Refunded	06/14/11	16/15/22	7,065,000	931,310	893,510	856,160	817,960	684,120	624,480	526,240	-	-	-
Advance Refund 6/15/2003 land acquisitions	04/18/12	09/15/22	964,600	125,234	116,834	113,034	109,709	106,859	104,009	100,684	96,492	-	-
Advance Refund 6/15/2004 Landbank Acquisitions-	04/18/12	09/15/22	5,385,600	774,149	747,584	713,224	682,234	650,624	623,374	597,544	567,732	-	-
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	227,300	31,625	30,750	29,750	28,875	28,125	27,375	26,500	25,500	-	-
Total Community Preservation Fund				2,380,269	2,285,118	2,191,188	2,107,952	1,921,467	1,820,347	1,667,327	1,092,610	388,414	373,319
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	197,403	13,529	12,944	12,359	11,774	11,209	10,468	-	-	-	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	13,735	13,236	12,737	12,239	11,741	11,242	10,969	10,459	-	-
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	12/14/06	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				57,264	56,180	55,096	54,013	52,950	51,710	40,969	40,459	30,000	30,000
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 CWS-09-07-A-Series 16	06/13/12	07/15/32	5,348,080	321,797	322,139	322,489	322,846	323,212	323,585	323,966	324,355	324,754	325,161
Total Sewer Construction Trust Fund				521,115	521,456	521,807	522,164	522,531	522,903	523,284	523,673	524,072	524,479
Total Enterprise Fund Bonds				7,470,471	7,311,966	6,843,424	6,720,146	6,157,325	5,845,277	5,602,423	4,982,972	4,093,445	3,926,122

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	Payments FY2034	Payments FY2035	Total
General Fund Bonds														
CTF Land Acquisition - Hyannis Golf Course Subseq Refundings	02/15/07	02/15/26	748,000	32,960	-	-	-	-	-	-	-	-	-	617,578
CTF Land Acquisition - CAP	06/15/08	06/15/23	365,200	-	-	-	-	-	-	-	-	-	-	294,330
CTF Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	-	-	-	-	-	-	-	-	-	-	1,083,700
Total Land Acquisition				32,960	-	-	-	-	-	-	-	-	-	1,995,608
CTF School Facilities Repair	02/15/07	02/15/17	339,000	-	-	-	-	-	-	-	-	-	-	137,200
CTF BHS Cogeneration	02/15/07	02/15/17	500,000	-	-	-	-	-	-	-	-	-	-	220,000
High School Construction - Refunded	02/15/07	02/15/19	27,486,190	-	-	-	-	-	-	-	-	-	-	20,607,750
Barnstable Middle School - Refunded 2	02/15/07	02/15/20	1,548,520	-	-	-	-	-	-	-	-	-	-	1,225,950
Barnstable Middle School - Refunded 1	02/15/07	02/15/20	7,071,300	-	-	-	-	-	-	-	-	-	-	5,583,900
CTF School Upgrades 1 Subseq Refunding Bonds	02/15/07	02/15/22	360,000	-	-	-	-	-	-	-	-	-	-	245,644
CTF School Facilities Repair & Improvement Subseq Refunding	02/15/07	02/15/22	660,000	-	-	-	-	-	-	-	-	-	-	456,921
CTF School Health & Safety Improvements Subseq Refunding B	02/15/07	02/15/26	478,000	18,540	-	-	-	-	-	-	-	-	-	371,718
CTF MME Roof Replacement Subseq Refunding Bonds	02/15/07	02/15/26	750,000	32,960	-	-	-	-	-	-	-	-	-	624,287
CTF School Upgrades 2 Subseq Refunding Bonds	02/15/07	02/15/27	150,000	4,240	4,120	-	-	-	-	-	-	-	-	108,775
CTF BHMCS Roof Subseq Refunding Bonds	02/15/07	02/15/27	910,000	44,490	42,230	-	-	-	-	-	-	-	-	782,945
CTF School Facility Improvements 1 (I)	06/15/08	06/15/28	916,600	33,975	32,663	31,350	-	-	-	-	-	-	-	619,125
CTF School Building Improvements	06/15/10	06/15/30	936,000	53,719	52,088	50,288	48,600	46,800	-	-	-	-	-	1,040,006
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	54,825	53,138	46,450	44,850	43,250	41,650	-	-	-	-	1,071,719
CTF School Facilities Upgrades/Repairs I	06/14/11	06/15/16	65,000	-	-	-	-	-	-	-	-	-	-	36,800
CTF School Equipment (I)	06/14/11	06/15/16	193,000	-	-	-	-	-	-	-	-	-	-	116,050
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	233,250
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	-	-	-	-	-	-	-	-	-	-	301,350
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	-	-	-	-	-	-	-	-	-	-	53,450
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	10,375	-	-	-	-	-	-	-	-	-	179,538
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	10,375	-	-	-	-	-	-	-	-	-	197,338
CTF School Improvement (I)	06/14/11	06/15/26	487,000	31,125	-	-	-	-	-	-	-	-	-	518,513
Current Refund School 8/15/01	04/18/12	09/15/14	1,913,700	-	-	-	-	-	-	-	-	-	-	1,108,404
Advance Refund 6/15/2003 HS Addition & Renovation	04/18/12	09/15/18	58,100	-	-	-	-	-	-	-	-	-	-	63,987
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	-	-	-	-	-	-	-	-	-	-	225,701
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	-	-	-	-	-	-	-	-	-	-	282,917
CTF School Roof Repairs	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	686,997
CTF HS Library AC Units	11/22/13	11/15/23	450,000	-	-	-	-	-	-	-	-	-	-	515,248
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	228,999
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	-	-	-	-	-	-	-	-	-	-	214,510
CTF Intermediate School roof & Façade Design	11/22/13	11/15/18	100,000	-	-	-	-	-	-	-	-	-	-	106,953
CTF School Hot Water Pump Replacement	11/22/13	11/15/18	85,000	-	-	-	-	-	-	-	-	-	-	90,610
CTF School Gym Bleacher Upgrades	11/22/13	11/15/18	55,000	-	-	-	-	-	-	-	-	-	-	58,575
CTF School Grounds Maintenance Equipment	11/22/13	11/15/18	150,000	-	-	-	-	-	-	-	-	-	-	160,430
CTF School Kitchen equipment	11/22/13	11/15/18	110,000	-	-	-	-	-	-	-	-	-	-	117,348
CTF Early Learning Center Modular Facility	02/15/15	06/30/35	2,000,000	129,125	126,125	123,125	120,625	118,000	115,000	112,000	109,000	106,000	103,000	2,670,383
Total Schools				423,749	310,363	251,213	214,075	208,050	156,650	112,000	109,000	106,000	103,000	41,263,287

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	Payments FY2034	Payments FY2035	Total
General Fund Bonds														
CTF Private Road Repairs	06/15/08	06/15/23	1,607,900	-	-	-	-	-	-	-	-	-	-	1,312,221
CTF Traffic Calming	06/14/11	06/15/16	50,000	-	-	-	-	-	-	-	-	-	-	31,700
CTF Bridge Repair	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	233,250
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	-	-	-	-	-	-	-	-	-	-	326,550
CTF Baxter Neck Road's Neck Road - Private Way	06/14/11	06/15/26	350,000	20,750	-	-	-	-	-	-	-	-	-	374,025
CTF Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	-	-	-	-	-	-	-	-	-	-	44,098
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	193,200	-	-	-	-	-	-	-	-	-	-	225,896
CTF Private Road Repairs (I)	11/22/13	11/15/23	633,000	-	-	-	-	-	-	-	-	-	-	722,691
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	-	-	-	-	-	-	-	-	-	-	216,629
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	-	-	-	-	-	-	-	-	-	-	135,740
CTF Guardrail Replacements	11/22/13	11/15/18	60,000	-	-	-	-	-	-	-	-	-	-	63,872
CTF Sidewalk/Guardrail Improvements 1	02/15/15	06/30/20	200,000	-	-	-	-	-	-	-	-	-	-	222,962
CTF Sidewalk/Guardrail Improvements 2	02/15/15	06/30/20	85,000	-	-	-	-	-	-	-	-	-	-	93,910
Total Public Ways				20,750	-	-	-	-	-	-	-	-	-	4,003,543

CTF Police Station Construction (I) Subseq Refunded Bonds	06/15/05	06/15/25	400,000	-	-	-	-	-	-	-	-	-	-	270,974
CTF Old Town Hall Phase II (I)	02/15/07	02/15/17	295,000	-	-	-	-	-	-	-	-	-	-	126,200
CTF Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	-	-	-	-	-	-	-	-	-	-	456,000
CTF Beach Facilities Subseq Refunding Bonds	02/15/07	02/15/22	270,000	-	-	-	-	-	-	-	-	-	-	174,681
CTF Senior Center - Garden Level Subseq Refunding Bonds	02/15/07	02/15/27	457,000	20,140	19,570	-	-	-	-	-	-	-	-	376,371
CTF Town Building Repairs & Renovations Subseq Refunding B	02/15/07	02/15/27	685,000	29,650	27,810	-	-	-	-	-	-	-	-	587,731
CTF Bismore Park Visitor Center - CAP	06/15/08	06/15/23	150,000	-	-	-	-	-	-	-	-	-	-	122,638
CTF Bismore Park Visitor Center	06/15/08	06/15/23	465,000	-	-	-	-	-	-	-	-	-	-	380,176
CTF Municipal Building Improvements	06/15/08	06/15/28	297,000	5,663	5,444	5,225	-	-	-	-	-	-	-	111,013
CTF Highway Facility	06/15/10	06/15/30	136,000	7,805	7,568	7,307	7,062	6,800	-	-	-	-	-	151,112
CTF Municipal Facility Improvements	06/15/10	06/15/29	402,500	5,769	5,588	5,388	5,200	-	-	-	-	-	-	181,206
CTF Police Facility	06/15/10	06/15/30	508,000	29,844	28,938	27,938	27,000	26,000	-	-	-	-	-	565,533
CTF Municipal Facility Upgrades/Repairs - MEA Building	06/14/11	06/15/16	114,000	-	-	-	-	-	-	-	-	-	-	63,400
CTF Police Dept. Emergency Generator	06/14/11	06/15/16	271,000	-	-	-	-	-	-	-	-	-	-	168,900
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	-	-	-	-	-	-	-	-	-	-	183,780
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	-	-	-	-	-	-	-	-	-	-	279,900
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	-	-	-	-	-	-	-	-	-	-	105,540
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	-	-	-	-	-	-	-	-	-	-	112,908
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	-	-	-	-	-	-	-	-	-	-	735,089
CTF Tennis Courts	11/22/13	11/15/23	500,000	-	-	-	-	-	-	-	-	-	-	572,497
CTF US Customs House upgrades	11/22/13	11/15/23	263,000	-	-	-	-	-	-	-	-	-	-	299,703
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	228,999
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	-	-	-	-	-	-	-	-	-	-	190,650
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	-	-	-	-	-	-	-	-	-	-	171,749
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	-	-	-	-	-	-	-	-	-	-	168,560
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	-	-	-	-	-	-	-	-	-	-	148,154
CTF Beach Facility Design	11/22/13	11/15/18	115,000	-	-	-	-	-	-	-	-	-	-	122,796

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	Payments FY2034	Payments FY2035	Total
General Fund Bonds														
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	-	-	-	-	-	-	-	-	-	-	128,973
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	-	-	-	-	-	-	-	-	-	-	117,558
CTF Lombard Parking & Ballfield Design	11/22/13	11/15/18	101,000	-	-	-	-	-	-	-	-	-	-	107,973
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	-	-	-	-	-	-	-	-	-	-	80,529
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	-	-	-	-	-	-	-	-	-	-	74,112
CTF Centerville Recreation Building	02/15/15	06/30/35	185,000	12,463	12,163	11,863	11,613	11,350	11,050	10,750	5,450	5,300	5,150	243,491
CTF Senior Center - Parking Lot Expansion	02/15/15	06/30/30	290,000	22,525	21,925	21,325	20,825	10,300	-	-	-	-	-	365,595
CTF Police Facilities - February 17, 2015 Issue	02/15/15	06/30/35	288,000	18,919	18,469	18,019	17,644	17,250	16,800	16,350	10,900	10,600	10,300	380,070
Total Public Facilities				152,777	147,473	97,063	89,343	71,700	27,850	27,100	16,350	15,900	15,450	8,554,559
CTF Public Wharves-Dredging-Refunded	02/15/07	02/15/15	155,800	-	-	-	-	-	-	-	-	-	-	63,600
CTF Pleasant St. Dock - 1	06/15/08	06/15/23	350,000	-	-	-	-	-	-	-	-	-	-	282,066
CTF Pleasant St. Dock - 2	06/15/08	06/15/23	350,000	-	-	-	-	-	-	-	-	-	-	282,066
CTF Boat Ramps - CAP	06/15/08	06/15/23	927,000	-	-	-	-	-	-	-	-	-	-	753,716
CTF Dredging	06/15/10	06/15/24	419,250	-	-	-	-	-	-	-	-	-	-	391,700
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	41,825	40,513	39,200	37,800	36,400	-	-	-	-	-	858,931
CTF Refunded Recreational Facility	06/14/11	06/15/16	144,000	-	-	-	-	-	-	-	-	-	-	111,970
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	233,250
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	-	-	-	-	-	-	-	-	-	-	611,550
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	41,500	-	-	-	-	-	-	-	-	-	654,750
CTF East Bay Dredging	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	686,997
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	-	-	-	-	-	-	-	-	-	-	160,319
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	-	-	-	-	-	-	-	-	-	-	150,194
CTF Blish Point Sand Management	02/15/15	06/30/20	215,000	-	-	-	-	-	-	-	-	-	-	238,935
CTF Dredge Permitting/Planning	02/15/15	06/30/20	341,000	-	-	-	-	-	-	-	-	-	-	379,306
CTF Marstons Mills Fish Run Reconstruction	02/15/15	06/30/30	326,000	22,825	22,225	21,625	21,125	20,600	-	-	-	-	-	408,084
Total Waterways				106,150	62,738	60,825	58,925	57,000	-	-	-	-	-	6,267,435
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	-	-	-	-	-	-	-	-	-	-	271,994
CTF Coastal Water Quality Improvements	06/15/08	06/15/18	250,000	-	-	-	-	-	-	-	-	-	-	135,060
CTF Lake & Pond Improvements	06/15/08	06/15/18	250,000	-	-	-	-	-	-	-	-	-	-	135,060
CTF Lake Treatment	06/15/10	06/15/25	275,000	-	-	-	-	-	-	-	-	-	-	260,838
CTF Nitrogen Management CW-04-31-A	03/15/11	07/15/20	211,460	-	-	-	-	-	-	-	-	-	-	186,643
CTF Mill Pond Dredge & Lake Wequaquet Planning	06/14/11	06/15/16	430,000	-	-	-	-	-	-	-	-	-	-	269,450
CTF Wastewater Management Planning	06/14/11	06/15/16	600,000	-	-	-	-	-	-	-	-	-	-	380,400
CTF Advance Refund 6/15/2003 Drainage	04/18/12	09/15/22	96,700	-	-	-	-	-	-	-	-	-	-	113,046
CTF Nitrogen Management CW-04-31-B Series 16	06/13/12	07/15/20	539,860	-	-	-	-	-	-	-	-	-	-	584,267
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	-	-	-	-	-	-	-	-	-	-	261,634
CTF Sewer Expansion Analysis	11/22/13	11/15/23	70,000	-	-	-	-	-	-	-	-	-	-	74,717
Total Water Quality				-	-	-	-	-	-	-	-	-	-	2,673,109
Total General Fund Bonds				736,385	520,573	409,100	362,343	336,750	184,500	139,100	125,350	121,900	118,450	64,757,540

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	Payments FY2034	Payments FY2035	Total
Enterprise Fund Bonds														
Airport (O)	06/14/11	06/15/31	730,000	50,850	54,350	52,663	50,863	54,063	52,063	-	-	-	-	953,200
Total Airport Fund Bonds				50,850	54,350	52,663	50,863	54,063	52,063	-	-	-	-	953,200
Hyannis Golf Course Equipment	02/15/07	02/15/17	550,000	-	-	-	-	-	-	-	-	-	-	275,400
Hyannis Golf Course Acquisition Subseq Refunding Bonds	02/15/07	02/15/25	3,900,000	-	-	-	-	-	-	-	-	-	-	3,555,471
Golf Course Maintenance Equipment	02/15/15	06/30/20	200,000	-	-	-	-	-	-	-	-	-	-	222,962
Total Golf Course				-	-	-	-	-	-	-	-	-	-	4,053,833
Sewer 91-39, Series 3	08/01/01	02/01/17	948,689	-	-	-	-	-	-	-	-	-	-	317,648
Sewer 91-39, Series 3	08/01/01	02/01/17	(subsidy)	-	-	-	-	-	-	-	-	-	-	(113,284)
Sewer 96-28, Series 3	08/01/01	02/01/17	1,484,449	-	-	-	-	-	-	-	-	-	-	497,036
Sewer 96-28, Series 3	08/01/01	02/01/17	(subsidy)	-	-	-	-	-	-	-	-	-	-	(177,260)
Sewer 98-27, Series 5	08/25/04	08/01/19	329,295	-	-	-	-	-	-	-	-	-	-	202,838
Sewer 98-27	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	(74,448)
Sewer 98-42, Series 5	08/25/04	08/01/19	216,429	-	-	-	-	-	-	-	-	-	-	130,648
Sewer 98-42, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	(39,112)
Sewer 98-44, Series 5	08/25/04	08/01/19	112,262	-	-	-	-	-	-	-	-	-	-	69,291
Sewer 98-44, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	(25,434)
Sewer 98-46, Series 5	08/25/04	08/01/19	1,398,265	-	-	-	-	-	-	-	-	-	-	866,441
Sewer 98-46, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	(314,896)
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	-	-	-	-	-	-	-	-	-	-	330,705
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	-	-	-	-	-	-	-	-	-	-	(115,019)
Sewer 98-44A	07/14/06	08/01/23	1,582,178	-	-	-	-	-	-	-	-	-	-	1,411,644
Sewer 98-44A	07/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-	(515,894)
Sewer 98-49A	12/14/06	08/01/23	556,458	-	-	-	-	-	-	-	-	-	-	499,350
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-	(181,413)
Sewer Collection Expansion	02/15/07	02/15/17	640,000	-	-	-	-	-	-	-	-	-	-	274,600
Sewer Turbine Generator	06/15/08	06/15/28	570,000	31,710	30,485	29,260	-	-	-	-	-	-	-	561,314
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	326,668	326,668	326,668	-	-	-	-	-	-	-	4,900,024
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	41,637	41,636	41,637	41,636	-	-	-	-	-	-	666,185
Sewer (I)	06/14/11	06/15/21	300,000	-	-	-	-	-	-	-	-	-	-	279,900
Current Refund Sewer 8/15/01	04/18/12	09/15/14	571,600	-	-	-	-	-	-	-	-	-	-	386,175
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	107,221	107,207	107,193	-	-	-	-	-	-	-	1,609,215
Total Sewer Enterprise Fund				507,236	505,997	504,758	41,636	-	-	-	-	-	-	11,446,253
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	5,166,301	-	-	-	-	-	-	-	-	-	-	2,895,227
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	(subsidy)	-	-	-	-	-	-	-	-	-	-	(937,190)
Solid Waste Facility (I) Subseq Refunding Bonds	02/15/07	02/15/27	630,000	29,680	28,840	-	-	-	-	-	-	-	-	522,034
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	-	-	-	-	-	-	-	-	-	-	282,430
Total Solid Waste Fund				29,680	28,840	-	-	-	-	-	-	-	-	2,762,500

Purpose	Issue Date	Maturity Date	Original Amount	Payments FY2026	Payments FY2027	Payments FY2028	Payments FY2029	Payments FY2030	Payments FY2031	Payments FY2032	Payments FY2033	Payments FY2034	Payments FY2035	Total
Enterprise Fund Bonds														
Water Co. Acquisition Subseq Refunding Bonds	02/15/07	02/15/27	10,000,000	692,750	692,160	-	-	-	-	-	-	-	-	9,838,432
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,184	169,184	169,184	169,184	169,184	169,184	-	-	-	-	3,045,319
DW-09-02 Series 16	06/13/12	07/15/32	910,707	55,442	55,514	55,588	55,663	55,740	55,818	55,899	55,981	-	-	1,105,829
DWP-11-09 Series 17A	05/22/13	01/15/33	948,146	58,217	58,303	58,391	58,481	58,572	58,666	58,762	58,860	-	-	1,154,082
DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,431	34,482	34,534	34,587	34,641	34,698	34,754	34,812	-	-	682,557
Water Main Loop	02/15/15	06/30/35	540,000	36,938	36,038	35,138	34,388	23,600	23,000	22,400	21,800	21,200	20,600	709,625
Total Water Enterprise Fund				1,046,961	1,045,680	352,834	352,303	341,738	341,366	171,814	171,453	21,200	20,600	16,535,844
Marina Bulkhead Repair II	06/15/11	06/15/30	525,000	36,838	40,713	39,400	38,000	41,600	-	-	-	-	-	667,988
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	-	-	-	-	-	-	-	-	-	-	1,021,230
Total Marina Enterprise Fund				36,838	40,713	39,400	38,000	41,600	-	-	-	-	-	1,689,218
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	10,375	-	-	-	-	-	-	-	-	-	89,281
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	69,394	72,331	70,081	67,681	70,281	67,681	-	-	-	-	1,256,838
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	13,169	12,794	17,419	16,819	16,219	15,619	-	-	-	-	278,875
Total Sandy Neck Enterprise Fund				92,938	85,125	87,500	84,500	86,500	83,300	-	-	-	-	1,624,994
CTF HYCC 1 Subseq Refunding Bonds	02/15/07	02/15/27	1,000,000	49,790	47,380	-	-	-	-	-	-	-	-	870,164
CTF HYCC 2 Subseq Refunding Bonds	02/15/07	02/15/27	8,000,000	396,290	380,070	-	-	-	-	-	-	-	-	6,960,349
CTF HYCC 3 Subseq Refunding Bonds	02/15/07	02/15/27	1,600,000	79,470	76,220	-	-	-	-	-	-	-	-	1,392,140
CTF HYCC 4	06/15/08		6,765,000	381,653	366,909	352,165	-	-	-	-	-	-	-	6,785,121
Total HYCC Enterprise Fund				907,203	870,579	352,165	-	-	-	-	-	-	-	16,007,774
Land Acquisition - 2004-105 Bonehill	06/15/05	06/15/25	200,000	-	-	-	-	-	-	-	-	-	-	135,482
Land Acquisition - 06-15-05 - 2004-106	06/15/05	06/15/25	180,000	-	-	-	-	-	-	-	-	-	-	111,051
Land Acquisition - Hyannis Golf Subseq Refunding Bonds	06/15/05	06/15/25	5,500,000	-	-	-	-	-	-	-	-	-	-	3,725,916
Land Acquisition - Archibald Subseq Refunding Bonds	02/15/07	02/15/26	500,000	23,690	-	-	-	-	-	-	-	-	-	398,779
Town Hall Renovations	06/15/10	06/15/30	1,332,520	77,594	75,238	72,638	70,200	67,600	-	-	-	-	-	1,486,431
Land Acquisition Refunded	06/14/11	16/15/22	7,065,000	-	-	-	-	-	-	-	-	-	-	7,296,360
Advance Refund 6/15/2003 land acquisitions	04/18/12	09/15/22	964,600	-	-	-	-	-	-	-	-	-	-	1,132,323
Advance Refund 6/15/2004 Landbank Acquisitions-	04/18/12	09/15/22	5,385,600	-	-	-	-	-	-	-	-	-	-	6,361,773
Advance Refund 6/15/2004 Landbank Acquisitions	04/18/12	09/15/22	227,300	-	-	-	-	-	-	-	-	-	-	268,625
Total Community Preservation Fund				101,284	75,238	72,638	70,200	67,600	-	-	-	-	-	20,916,740
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	197,403	-	-	-	-	-	-	-	-	-	-	101,095
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	-	-	-	-	-	-	-	-	-	-	125,374
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	10,000	-	-	-	-	-	-	-	-	-	130,000
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	10,000	-	-	-	-	-	-	-	-	-	130,000
Title V - Phase V - Pool 12 97-1131-4D	12/14/06	07/15/26	200,000	10,000	10,000	-	-	-	-	-	-	-	-	140,000
Total Title V				30,000	10,000	-	-	-	-	-	-	-	-	626,469
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	-	-	-	-	3,587,723
Sewer CWS-09-07-A Series 16	06/13/12	07/15/32	5,348,080	325,576	326,001	326,434	326,878	327,331	327,793	328,267	328,749	-	-	6,493,928
Total Sewer Construction Trust Fund				524,894	525,319	525,752	526,196	526,649	527,112	328,267	328,749	-	-	10,081,651
Total Enterprise Fund Bonds				3,327,882	3,241,839	1,987,709	1,163,698	1,118,149	1,003,840	500,081	500,202	21,200	20,600	86,698,476

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APPENDIX C 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>

<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 an/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.
<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 BUDGET 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 Improvements 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 Improvements 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>
<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.

FY 2016 BUDGET ACTION CALENDAR

Monday	Sept	8	2014	Town Manager issues instructions to Departments for FY 2016 Capital Budget
Tuesday	Sept	23	2014	Town Manager and Superintendent meet to discuss revenue sharing plan for FY 2016
Wednesday	Sept	24	2014	Town Manager issues instructions for FY 2016 Operating Budget
Friday	Oct	24	2014	All Departments submit review of existing capital projects to Town Manager, Assistant Town Manager, Finance Director and Budget Director
Monday	Oct	27	2014	Municipal Departments submit preliminary listing of any proposed FY 2016 position changes with supporting justification to Human Resources and Town Manager
Monday	Nov	3	2014	Final day for electronic version of FY 2016 CIP REQUESTS placed on R: drive
Wednesday	Nov	12	2014	Town Manager conducts public hearing on <u>Calendar Year</u> permits and fees
Friday	Nov	14	2014	Director HR submits position changes summary including comments to Town Manager
Monday	Nov	17	2014	CIP Requests available on R:drive to Task Force (for scoring) Hard copies of CIP Request forms made available to CFAC (not for scoring but for review of proposed projects)
Friday	Dec	12	2014	Final day for electronic version of Municipal Department DECISION PACKAGES placed in R:drive and for Libraries to email individual budget narratives to Town Manager
Friday	Dec	12	2014	Departments submit revenue projections for FY16 based on current/last year's receipts to Finance Director
Thursday	Dec	18	2014	Annual Organization of Town Council (TM must submit budget to Council within 170 days per M.G.L. 44 § 32 (Friday June 5))
Friday	Dec	19	2014	Final day for CIP Task Force to complete & submit CIP Project scores
Thursday	Jan	15	2015	Town Council conducts a joint meeting/workshop with the School Committee to receive Finance Director's preliminary financial forecast & agree on coordinated bud.
Friday	Jan	16	2015	Final day for electronic version Municipal Department BUDGET NARRATIVES in R:drive
Tuesday	Jan	27	2015	Town Manager conducts public hearing on <u>Fiscal Year</u> permits and fees
Thursday	Mar	19	2015	Town Manager submits recommended Capital Budget to Clerk of Town Council per Part VI, Section 6-5(a) of the Charter. (TC must adopt Plan BEFORE June 1, 2015)
Friday	Mar	20	2015	Town Council publishes summary of FY 16 Capital budget and hearing in local paper
Friday	Mar	20	2015	IT Division places copy of Capital Budget on WEB
Thursday	Apr	2	2015	Town Council conducts workshop on recommended FY 2016 Capital Budget
Wednesday	Apr	15	2015	Final day for School Committee to submit FY16 approved budget to the Town Manager
Thursday	Apr	16	2015	Town Council conducts public hearing on FY 2016 Capital Budget per Part VI Section 6-5 (c) of the Charter. (hearing be held not less than 14 days AFTER Publication)
Thursday	Apr	16	2015	CFAC submits report of their review of recommended FY 2016 Capital Budget to Town Council
Thursday	May	14	2015	Town Manager submits recommended Operating Budget to the Town Council. TC must adopt budget within 45 days, otherwise it becomes part of FY16 appropriations
Thursday	May	14	2015	CFAC provided copies of the recommended Operating Budget to begin their review.
Friday	May	15	2015	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	15	2015	IT Division places copy of recommended FY 2016 Operating Budget on WEB
Friday	May	29	2015	Last weekday FY 2016 Capital Improvements Plan can be adopted by the Town Council per Part VI, Section 6-5(d) of the Charter
Thursday	Jun	4	2015	Town Council conducts first reading and workshop of recommended FY 2016 Operating Budget
Thursday	Jun	11	2015	Town Council conducts Public Hearing on recommended FY 2016 Operating Budget (Public Hearing to be held not less than 14 days AFTER such publication)
Thursday	Jun	11	2015	CFAC submits report of their review of recommended FY 2016 Operating Budget to Town Council
Thursday	Jun	18	2015	Town Council conducts 2nd Public Hearing on recommended FY 2016 Operating Budget (If needed)
Friday	Jun	27	2015	Unencumbered balances on Capital Appropriations authorized during & before FY 2013 EXPIRE
Friday	Jun	26	2015	Last weekday FY 2016 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)

Town Council Action Item Town Manager Action Item Municipal/School/CFAC Action Item

