

City of Groton, Connecticut



Capital Improvement Program

Proposed for Fiscal Years 2018-2023

**CITY OF GROTON
CAPITAL IMPROVEMENT PROGRAM
2018-2023**

TABLE OF CONTENTS

A. Letter from the Mayor	A-1
B. Summaries	
➤ Capital Project Expenditure Summary by Department	B-1
➤ Expenditure Summary by Project and Source of Funds	B-2
Project Details by Department	
C. General Government Projects – Summary	C-1
➤ Mother Bailey House	C-2
➤ Municipal Building Improvements	C-3
➤ Municipal Building Office Renovations	C-4
➤ Municipal Building Fire Alarm System	C-5
➤ Municipal Building Rear Ramp	C-6
➤ Plan on Conservation and Development Update	C-7
➤ Building Department – Vehicle Replacement	C-8
➤	
D. Wastewater Projects – Summary	D-1
➤ Digester Cleaning	D-2
➤ SCADA	D-3
➤ Vehicle Replacement	D-4
➤ Collection System Rehab	D-5
➤ Sewer Manhole Rehab	D-6
➤ Collection System Video & Clean	D-7
➤ Wastewater PAF Rebuild Phase II	D-8
➤ Pump Station Rehabilitation Program	D-9
➤ Primary Effluent Pump	D-10
➤ PAF Phase I Completion & Equip Replacement	D-11
E. Highway Projects – Summary	E-1
<i>Equipment</i>	
➤ Replace Two Trucks	E-2
➤ Replace Catch Basin Cleaner/Sweeper	E-3
➤ Replace Truck, Snow Plow and Sand Spreader	E-4
➤ Replace Truck, Snow Plow and Sand Spreader	E-5
➤ Replace Two Vehicles and Traffic Line Painter	E-6
➤ Replace Asphalt Curbing Machine	E-7
➤ Replace Truck, Snow Plow and Sand Spreader	E-8
<i>Paving/Curbing/Sidewalks/Drainage/Other</i>	
➤ Paving Greenview Rd	E-9
➤ Paving School St	E-10
➤ Paving South Prospect St	E-11

**CITY OF GROTON
CAPITAL IMPROVEMENT PROGRAM
2018-2023**

TABLE OF CONTENTS, Continued

E. Highway Projects, Continued	
➤ Paving Poquonnock Rd (Mitchell St to City Line)	E-12
➤ Paving Poquonnock Rd Reconstruction (Mitchell St to City Line)	E-13
➤ Paving Elderkin Ave.....	E-14
➤ Paving Benham Rd (Eastern Point Rd to Rainville Ave)	E-15
➤ Paving Mitchell St (Griswold Ave to Meridian St).....	E-16
➤ Paving Eastern Point Rd (Thames St to Chester)	E-17
➤ Shore Ave Seawall and Drainage.....	E-18
➤ Jupiter Point Rd Drainage.....	E-19
➤ Slocomb Terrace Retaining Wall	E-20
F. Parks and Recreation Projects – Summary.....	F-1
<i>Buildings and Facilities</i>	
➤ Costa Property Improvements.....	F-2
➤ Eastern Point Fence Replacement – Playground Area	F-3
➤ Park House Driveway Paving	F-4
➤ Park House Roof Replacement	F-5
➤ Park House Storage Building.....	F-6
➤ Pavilion Repair and Construction	F-7
➤ Tyler House Porch.....	F-8
➤ Washington Park Bleachers	F-9
➤ Washington Park Lights	F-10
➤ Birch Plain Creek Trail Extension.....	F-11
<i>Equipment</i>	
➤ Groundskeeper 4000-D Mower.....	F-12
G. Police Projects – Summary.....	G-1
➤ Replacement of Bullet Proof Vests	G-2
➤ Replacement of Police Vehicles.....	G-3
H. Fire Projects – Summary.....	H-1
➤ Vehicle Replacement Fund	H-2



Dear Members of the City of Groton Council,

I am pleased to submit to you the City of Groton's proposed Capital Improvement Program (CIP) for fiscal years 2018-2023. The Capital Improvement program (CIP) is a budgetary and planning tool that lays out a multi-year schedule to prioritize and address community needs for capital projects such as municipal improvements, new equipment, and substantial road and sidewalk construction. It includes capital expenditures for non-recurring projects with a cost of more than \$5,000 that are not considered as ordinary operations, repairs or maintenance.

The CIP contains the following parts: a summary of proposed expenditures for 2018-2023 by department and year; a summary of proposed expenditures by department and source of funds for the fiscal year ending in 2018; and project detail sheets for each capital project that includes a project description, estimate of cost, proposed method of financing and time schedule for implementation.

Methods of financing for these projects include the following:

Capital Reserve (CR) is used to fund smaller or short-lived capital improvements. Projects funded from Capital Reserve are generally of low cost and do not meet the criteria for bonding. Funding can be set aside in one or over several fiscal years in anticipation of future expenditure. The financing of this fund shall include funds from the sale of City buildings and property, cash transfer from the General fund, the unexpended balance of completed projects in the Capital Project Fund, but not including bonded projects, and interest earned.

General Obligation Bonds (G) are issued to finance significant capital projects with a life equal to or in excess of the life of the bond, typically 10 years or longer. Bonds may be issued for a single project, such as the purchase of real estate, or several significant projects bundled together, such as improvements to municipal buildings and expansion of utilities. The City has specific limits on its indebtedness related to the General Fund expenditures and value of the property tax base.

Other (O) is a designation for other sources of funds such as those from grants, donations, State or Federal revenues or private sources. In all cases the City examines the availability of utilizing these funding sources to minimize the level of debt.

The Capital Improvement Program will be an integral part of this and future City budgets. Each year the Capital Improvement Program will be reviewed, modified as necessary and extended another year thereby maintaining a constant six-year program.

Thank you.

Sincerely,


Marian Galbraith
Mayor

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 FISCAL YEAR 2018 TO 2023
 CAPITAL PROJECT EXPENDITURE SUMMARY BY DEPARTMENT (000)

PROJECTS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total
<u>GENERAL GOVERNMENT</u>							
Mother Bailey House	15		250				265
Municipal Building Improvements	400	280					680
Planning Department	15	15					30
Building Department	8	8	8				24
<u>WASTEWATER</u>							
Engineering/Construction	4,057	4,900	5,300	1,200	500		15,957
Routine Capital Projects/Equipment	130	130	130	130	130	130	780
<u>HIGHWAY</u>							
Equipment	265	170	150	72	14	170	841
Roads/curbing	139	5,031	114	278	320	144	6,026
Planning/Engineering	39						39
<u>PARKS & RECREATION</u>							
Buildings/Facilities	78	1,005	55				1,138
Equipment	61						61
Planning/Engineering/land and ROW	82	30					112
<u>POLICE</u>							
Equipment Bullet proof vests	5	7	5	5	7	5	34
Equipment Police cruisers	67	42	67	42	67	42	327
<u>FIRE</u>							
Equipment Vehicle Replacement	299	299	312	312	310	310	1,842
TOTAL FISCAL YEARS 2018-2023(000)	5,660	11,917	6,391	2,039	1,348	801	28,156

THE CITY OF GROTON
ANNUAL BUDGET
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR ENDING 2018
EXPENDITURE SUMMARY BY PROJECT AND SOURCE OF FUNDS (000)

PROJECTS	Required This Year	(1) General Revenues	(2) G. O. Bonds Pending	(3) State Grant LoCIP	(4) Town Aid Roads	(5) Capital Reserve	(6) Other
<u>GENERAL GOVERNMENT</u>							
Mother Bailey House	15					15	
Municipal Building Improvements	400					400	
Planning Department	15					15	
Building Department	8					8	
<u>WASTEWATER</u>							
Equipment/Construction- Digester Cleaning	35					35	
SCADA	5					5	
Vehicle Replacement	60					60	
Collection System Rehab	1,000		1,000				
Sewer Manhole Rehab	250		250				
Collection System Video & Clean	575		575				
Wastewater PAF Rebuild Phase II	750		750				
Pumpstation Rehab	1,000		1,000				
Primay Effluent Pump	30					30	
PAF Phase I Completion & Equip Replacement	482		482				
<u>HIGHWAY</u>							
Equipment	265					265	
Paving	139						139
Planning/Engineering	39						39
<u>PARKS & RECREATION FACILITIES</u>							
Bldg/Facilities Improvement	78					78	
Equipment	61					61	
Planning/Engineering	82					82	
<u>POLICE</u>							
Equipment -Bullet Proof Vests	5					5	
Equipment - Replacement Vehicles	67					67	
<u>FIRE</u>							
Equipment-Vehicle Replacement fund	299					299	
TOTAL FISCAL YEAR 2018 (000)	5,660	-	4,057	-	-	1,425	178

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT/FUNCTION
 FISCAL YEARS 2018-2023

<u>GENERAL GOVERNMENT</u>	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
<u>MOTHER BAILEY HOUSE</u>	CR/O	15,000		250,000				265,000
<u>MUNICIPAL BUILDING IMPROVEMENTS</u>								
Municipal Building Improvements	CR	300,000	180,000					480,000
Municipal Building Office Renovations	CR	65,000						65,000
Municipal Building Fire Alarm System	CR	25,000						25,000
Municipal Building Rear Ramp	CR	10,000	100,000					110,000
<u>PLANNING DEPARTMENT</u>								
Plan on Conservation and Development Update	CR	15,000	15,000					30,000
<u>BUILDING DEPARTMENT</u>								
Vehicle Replacement	CR	8,000	8,000	8,000				24,000
<u>TOTAL</u>		<u>438,000</u>	<u>303,000</u>	<u>258,000</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>999,000</u>

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Mother Bailey House Restoration	Administration

DESCRIPTION/PURPOSE/JUSTIFICATION

The City purchased the historic Mother Bailey House in November of 2010 for the purpose of renovation and reuse as public space. In 2012 a grant for \$6,000 from the CT Trust for Historic Preservation was matched with \$6,000 in City funds to hire a firm to prepare a capital needs assessment. Since then, the City's Highway Dept. with the services of an outside structural engineering group continues to repair structural and drainage issues and mothball the building while the City determines the best future use for the site. In 2017-2018, plans are to finalize the future use/disposition for the building based on the work of the Mother Bailey Committee. The proposal is to use the services of an outside firm to: 1. develop a hazardous materials review, and mitigation plan and 2. continue the structural review and prepare specifications and cost estimates for renovation as a code compliant, residential use. In 2019, funds are set aside to bid the actual work and complete the hazardous materials remediation. Additionally funds are allocated, depending on anticipated costs and financial resources, for the possible extensive renovation of the House for potential sale for residential use. A grant request for both the planning and engineering phase and construction phase will be submitted again to the appropriate State Agency/Department to help defray costs. Even that grant application is successful, it will require a match. Those funds will come from capital reserve or capital non-recurring and will be requested through the City budget process. The amount is an estimate.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR/O	15,000						15,000
B. Land and Right of Way								-
C. Construction	CR/O			250,000				250,000
D. Equipment								-
E. Other Costs								-
Total		15,000	-	250,000	-	-	-	265,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

**CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL**

PROJECT	DEPARTMENT
Municipal Building Improvements	General Government
DESCRIPTION/PURPOSE/JUSTIFICATION	
The following improvement projects are scheduled for the City Municipal Building: (FYE 2018) replace exterior doors (25,000), replace 4 HVAC units (240,000), bathroom renovations (20,000), brick repointing (10,000) and retaining wall (5,000); (FYE 2019) replace 3 HVAC units (180,000)	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	G/CR	300,000	180,000					480,000
D. Equipment								-
E. Other Costs								-
Total		300,000	180,000	-	-	-	-	480,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Municipal Building Office Renovations	DEPARTMENT General Government
DESCRIPTION/PURPOSE/JUSTIFICATION With the change in scope of the Colonel Ledyard School building and the shortage of office and meeting space in the City Municipal building, renovations are required to modify the current floor plan to increase office and meeting locations.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR	65,000						65,000
D. Equipment								-
E. Other Costs								-
Total		65,000	-	-	-	-	-	65,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Municipal Building Fire Alarm System	DEPARTMENT General Government
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DESCRIPTION/PURPOSE/JUSTIFICATION

The fire alarm system is currently at its maximum capacity. With the addition of the police server room and additional alarms required the fire panel needs to be upgraded with additional ports. The estimate price for the upgrade is \$20,000. During the most recent test of the alarm system it was noted that 4 alarms (1 in the lobby, 1 in the police conference room hallway, and 2 in the basement) nearly failed it was recommended that they be replaced. The estimate to replace these 4 alarms is \$5,000

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR	25,000						25,000
D. Equipment								-
E. Other Costs								-
Total		25,000	-	-	-	-	-	25,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Municipal Building Ramp	DEPARTMENT General Government
------------------------------------	----------------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

The ramp in the rear of the City Municipal building is in need of repair

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year					Total Estimated Cost	
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022		FYE2023
A. Planning and Engineering	CR	10,000						10,000
B. Land and Right of Way								-
C. Construction	CR		100,000					100,000
D. Equipment								-
E. Other Costs								-
Total		10,000	100,000	-	-	-	-	110,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Plan of Conservation and Development Update	DEPARTMENT Planning
--------------------------------------------------------	------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

State Statutes require the Plan of Conservation and Development (POCD) to be reviewed and updated and adopted every 10 years. The City's POCD was last adopted in 2008. As that included a substantial revision to the previous plan, we are planning on only a review and update for 2018 to meet statutory requirements. 3 Funds are being set aside each of 3 years, to cover the costs of that review and update. In FY 2017-2018 the Commission intends to advertise and select a consultant to assist with this task.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR	15,000	15,000					30,000
B. Land and Right of Way								-
C. Construction								-
D. Equipment								-
E. Other Costs								-
Total		15,000	15,000	-	-	-	-	30,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Vehicle Replacement	DEPARTMENT Building Department
DESCRIPTION/PURPOSE/JUSTIFICATION The Assistant Building Official's vehicle will be in need of replacing in 2020.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	8,000	8,000	8,000				24,000
E. Other Costs								-
Total		8,000	8,000	8,000	-	-	-	24,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT / FUNCTION
 FISCAL YEARS 2018-2023

PAF	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
WASTEWATER PROJECTS								
Digester Cleaning	CR	35,000	35,000	35,000	35,000	35,000	35,000	210,000
SCADA	CR	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Vehicle Replacement	CR	60,000	60,000	60,000	60,000	60,000	60,000	360,000
Collection System Rehabilitation	G/O	1,000,000	1,400,000	1,300,000	700,000	500,000		4,900,000
Sewer Manhole Rehabilitation	G/O	250,000	250,000					500,000
Collection System Video & Clean	G	575,000						575,000
Wastewater PAF Rebuild Phase II	G/O	750,000	2,250,000	3,000,000				6,000,000
Pump Station Rehabilitation Program	G	1,000,000	1,000,000	1,000,000	500,000			3,500,000
Primary Effluent Pump	CR	30,000	30,000	30,000	30,000	30,000	30,000	180,000
PAF Phase I Completion & Equip Replacement	G	482,000						482,000
TOTAL		4,187,000	5,030,000	5,430,000	1,330,000	630,000	130,000	16,737,000

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Digester Cleaning	DEPARTMENT Pollution Abatement Facilities
------------------------------	----------------------------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Digester Cleaning:

This is an annual contribution to clean out accumulated digested sludge at the Main Wastewater Treatment Facility. This is a CT DEEP requirement. There are two (2) digesters that will be cleaned out every 5 years. Last cleaning was in 2017, next cleaning in 2022.

Project Oversight - PAF CPO

Super

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	35,000	35,000	35,000	35,000	35,000	35,000	210,000
E. Other Costs								-
Total		35,000	35,000	35,000	35,000	35,000	35,000	210,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT SCADA	DEPARTMENT Pollution Abatement Facilities
------------------	----------------------------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

SCADA:
Recommend to start a Reserve Account in the amount of \$5,000 per year to assist in covering costs for software and hardware Upgrades and License Fees.

Super

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	5,000	5,000	5,000	5,000	5,000	5,000	30,000
E. Other Costs								-
Total		5,000	5,000	5,000	5,000	5,000	5,000	30,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Vehicle Replacement	Pollution Abatement Facilities

DESCRIPTION/PURPOSE/JUSTIFICATION

Vehicle Replacement Program:

Note:
 FY 2020, Vehicle 13S will be replaced for a cost of approximately \$35,000
 FY 2025, Vehicle 14S will be replaced for a cost of approximately \$30,000

9S, a Vacuum Sewer Cleaning, projected replacement date FY 2027 for a cost of ~\$300,000

NOTE:
 1. Recommended in FY2018 the Vehicle Reserve Account (including 9S) be increased from \$25,000 to \$60,000 per year
 2. In FY2020 an estimated \$35,000 will be used from the Reserve Balance for the replacement of 13S

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	60,000	60,000	60,000	60,000	60,000	60,000	360,000
E. Other Costs								-
Total		60,000	60,000	60,000	60,000	60,000	60,000	360,000

*Funding (CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Collection System Rehabilitation	DEPARTMENT Pollution Abatement Facilities
---------------------------------------------	----------------------------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Collection System Rehabilitation:

Based upon the most recent video and inspection of our collection system in 2009 and the Inflow/Infiltration Study, approximately 90,000 linear feet of piping needs to be rehabilitated. Based upon present rates of relining pipe and present rates of excavation and repair/replacement the costs for the entire project are estimated to be approximately \$4,900,000.00. The funds would be part of a major bond fund for the collection system. The Bond Fund process would have to be initiated in 2018. Construction has seasonal considerations.

Project Oversight - Groton Utilities

Note:
Apply for Clean Water Fund for Project
Prudent to re-video system to allow for more accurate cost estimate and cleaning

Super

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	G/O	1,000,000	1,400,000	1,300,000	700,000	500,000		4,900,000
D. Equipment								-
E. Other Costs								-
Total		1,000,000	1,400,000	1,300,000	700,000	500,000	-	4,900,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

NA - to be determined

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Sewer Manhole Rehabilitation	DEPARTMENT Pollution Abatement Facilities
DESCRIPTION/PURPOSE/JUSTIFICATION	
<p>Sewer Manhole Rehabilitation:</p> <p>Based upon the most recent video inspection and on-going manhole inspections by GU Staff, our plan is as follows: FY2018 Bond Fund to rehabilitate the sewer collection system. The \$500,000 includes replacement of ~50 sewer manhole covers, lining of approximately 30 sewer manholes and installation of approximately 30 replacement sewer manholes. Also during this period, lining of sewer piping will begin in the collection system.</p> <p>Project Oversight - Groton Utilities</p> <p>Note: Apply for Clean Water Project Funding</p>	

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	G/O	250,000	250,000					500,000
D. Equipment								-
E. Other Costs								-
Total		250,000	250,000	-	-	-	-	500,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Collection System Video & Clean	DEPARTMENT Pollution Abatement Facilities
DESCRIPTION/PURPOSE/JUSTIFICATION	
Collection System Clean & Video	
Clean and Video all of the approximately 5,280 feet of sewer mains and compare with the last video completed in 2009 to assess damage comparison.	

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR	575,000						575,000
D. Equipment								-
E. Other Costs								-
Total		575,000	-	-	-	-	-	575,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Wastewater PAF Rebuild Phase II	Pollution Abatement Facilities
DESCRIPTION PURPOSE/JUSTIFICATION	
<p>Wastewater PAF Rebuild</p> <p>Phase II of the Wastewater PAF Rebuild Project from approved Facility Plan.</p> <p>Phase II Engineering will be done FY2019 Phase II Construction will be done FY2020 & FY2021</p>	

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	G O	750,000						750,000
B. Land and Right of Way								-
C. Construction	G O		2,250,000	3,000,000				5,250,000
D. Equipment								-
E. Other Costs								-
Total		750,000	2,250,000	3,000,000	-	-	-	6,000,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

**CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL**

PROJECT	DEPARTMENT
Pump Stations Rehabilitation Program	Pollution Abatement Facilities

DESCRIPTION/PURPOSE/JUSTIFICATION

Pump Stations Rehabilitation Program
Rehabilitation of eight (8) pump stations with costs and prioritizations:

Pump Station	Fiscal Year to be Worked
1. Eastern Point Pump Station	2018 / 2019
2. East Slope Pump Station	2018 / 2019
3. West Side Pump Station	2018 / 2019
4. Twin Hills Pump Station	2019 / 2020
5. North Slope Pump Station	2019 / 2020
6. Jupiter Point Pump Station	2019 / 2020
7. Plant Street Pump Station	2020 / 2021
8. Colonial Manor Pump Station	2020 / 2021

Note:
Each Pump Station Rehabilitation will span over a year and on half Fiscal Year, 75% first FY and 25% second FY.

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	G	1,000,000	1,000,000	1,000,000	500,000			3,500,000
D. Equipment								-
E. Other Costs								-
Total		1,000,000	1,000,000	1,000,000	500,000	-	-	3,500,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Primary Effluent Pump	Pollution Abatement Facilities

DESCRIPTION/PURPOSE/JUSTIFICATION

Reserve Fund for future repair / replacement of pumps, motors and major equipment at PAF

Note:
The Expense Account has been substantially reduced over the past 5 years.

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	30,000	30,000	30,000	30,000	30,000	30,000	180,000
E. Other Costs								-
Total		30,000	30,000	30,000	30,000	30,000	30,000	180,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
PAF Phase I Completion & Equipment Replacement	Pollution Abatement Facilities

DESCRIPTION/PURPOSE/JUSTIFICATION

PAF Phase I Completion & Equipment Replacement (Repurpose Remaining Bond Fund Monies)
Recommend the remaining \$500,000 from Phase I of the Wastewater PAF Rebuild Project will be used to replace equipment at the PAF and Pump Stations

Equipment Replacement	Total Cost
Generator:	
Eastern Point Pump Station (1958) Fuel Tank	\$80,000
West Side Pump Station (1997), (1,500 Gallon)	\$60,000
East Slope Pump Station (2017), (2,000 Gallon)	\$65,000
PAF	
Primary Effluent Pump	\$85,000
Vaughn Chopper Pump	\$22,000
3,000 Fuel Tank Replacement	\$60,000
300KW Generator	\$85,000
SCADA Upgrade	\$25,000

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	G	482,000						482,000
D. Equipment								-
E. Other Costs								-
Total		482,000	-	-	-	-	-	482,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT/FUNCTION
 FISCAL YEARS 2018-2023

HIGHWAY	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
EQUIPMENT								
Replace Two Trucks	CP	95,000						95,000
Replace Catch Basin Cleaner/Sweeper	CP	170,000						170,000
Replace Truck, Snow Plow and Sand Spreader	CP		170,000					170,000
Replace Truck, Snow Plow and Sand Spreader	CP			150,000				150,000
Replace Two Vehicles and Traffic Line Painter	CP				72,000			72,000
Asphalt Curbing Machine	CP					14,000		14,000
Replace Truck, Snow Plow and Sand Spreader	CP						170,000	170,000
PAVING/CURBING/DRAINAGE								
Greenview Rd	O	46,088						46,088
School St	O	93,372						93,372
South Prospect St	O		22,540					22,540
Poquonnock Rd (Mitchell St to City Line)	O		221,507					221,507
Poquonnock Rd (Reconstruction)	O		2,172,000					2,172,000
Elderkin Ave	O			114,412				114,412
Benham Rd (Eastern Point Road to Rainville Ave)	O				277,955			277,955
Mitchell St	O					320,359		320,359
Eastern Point Rd (Thames St to Chester)	O						143,720	143,720
Shore Ave Seawall and Drainage	O		2,500,000					2,500,000
Jupiter Point Rd Drainage	O		55,000					55,000
Slocomb Terrace Retaining Wall	O		60,000					60,000
PLANNING/ENGINEERING								
Jupiter Point Rd Drainage	O	20,000						20,000
Slocomb Terrace Retaining Wall	O	18,900						18,900
TOTAL		443,360	5,201,047	264,412	349,955	334,359	313,720	6,906,853

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace Two Trucks	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 2001 one ton pickup equipped with utility body and power lift gate (\$35,000) Replace 2004 F550 equipped with mason dump, sand spreader and nine foot snow plow (\$60,000)	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	95,000						95,000
E. Other Costs								-
Total		95,000	-	-	-	-	-	95,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace catch basin cleaner/sweeper	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 1999 Catch Basin Cleaner Sweeper with a 39,000 GVW Truck equipped with a crane body	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	170,000						170,000
E. Other Costs								-
Total		170,000	-	-	-	-	-	170,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace Truck, Snow Plow and Sand Spreader	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 2005 tandem axle dump and snow plow with similar equipment.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR		170,000					170,000
E. Other Costs								-
Total		-	170,000	-	-	-	-	170,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace Truck, Snow Plow and Sand Spreader	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 2004 39,000gvw dump truck, snow plow and sand spreader with similar equipment.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR			150,000				150,000
E. Other Costs								-
Total		-	-	150,000	-	-	-	150,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace 3 Vehicles	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace two 3/4 ton pick up trucks and traffic line painting machine with similar equipment. Trucks \$30,000 each paint machine \$12,000	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR				72,000			72,000
E. Other Costs								-
Total		-	-	-	72,000	-	-	72,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Asphalt Curbing Machine	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 1989 asphalt curbing machine.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR					14,000		14,000
E. Other Costs								-
Total		-	-	-	-	14,000	-	14,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replace Truck, Snow Plow and Sand Spreader	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Replace 2006 39,000 gvw dump truck equipped with snow plow and sand spreader.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR						170,000	170,000
E. Other Costs								-
Total		-	-	-	-	-	170,000	170,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Greenview Rd	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION	
Mill to gravel grade, shape, compact and place four inches of asphalt. 2,067 sq.yds. 465 ton Material for 1,100 ft of asphalt curb 20 ton 25yds of loam asphalt for ten driveway aprons.	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O	46,088						46,088
D. Equipment								-
E. Other Costs								-
Total		46,088	-	-	-	-	-	46,088
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
School St	Highway

DESCRIPTION/PURPOSE/JUSTIFICATION

Preparation - Material to rebuild eight catch basins and nine hundred and fifty six feet of sidewalk. (\$15,097) Pave - Mill two inches and replace with three inches of asphalt (33,363 sq. ft), reset 10 manholes, and 950 feet of six inch extruded concrete curb and material for six driveway aprons. (6 ton of asphalt) (\$78,275)

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O	93,372						93,372
D. Equipment								-
E. Other Costs								-
Total		93,372	-	-	-	-	-	93,372
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
South Prospect St	Highway

DESCRIPTION/PURPOSE/JUSTIFICATION

Mill asphalt to gravel depth, grade, compact and pave with four inches of asphalt. 1,089 sq. yds. 245 ton

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O		22,540					22,540
D. Equipment								-
E. Other Costs								-
Total		-	22,540	-	-	-	-	22,540
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Poquonnock Rd (Mitchell St to City Line)	DEPARTMENT Highway
-----------------------------------------------------	-----------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Prep - Remove replace or repair 1,000 feet of concrete sidewalk. - \$12,000 Pave - Mill three inches and pave with three inches. (13,424 sq.yds) 3,021 ton. Asphalt for driveway aprons .(13 ton) - \$209507

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O		221,507	-				221,507
D. Equipment								-
E. Other Costs								-
Total		-	221,507	-	-	-	-	221,507
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Poquonock Rd Reconstruction (Mitchell St to City Line)	Highway

DESCRIPTION/PURPOSE/JUSTIFICATION

Reconstruction of road including Full depth reclamation and paving, repair of drainage system and sidewalks. This project is contingent upon receiving the Local Transportation Capital Improvement Program Grant.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O		2,172,000	-				2,172,000
D. Equipment								-
E. Other Costs								-
Total		-	2,172,000	-	-	-	-	2,172,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Elderkin Ave	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION Prep - Repair and or replace concrete sidewalk. 1,500 feet. Pave - Mill asphalt and replace with four inches. (4,716 sq. yds.) 1,061 ton	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O			114,412				114,412
D. Equipment								-
E. Other Costs								-
Total		-	-	114,412	-	-	-	114,412
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Benham Rd (Eastern Point Rd to Rainville Ave)	DEPARTMENT Highway
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DESCRIPTION/PURPOSE/JUSTIFICATION

Prep - 5 driveway aprons (\$1,490). Pave - Mill three inches asphalt and replace with three inches. (2,633 ton) (\$276,465)

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O				277,955			277,955
D. Equipment								-
E. Other Costs								-
Total		-	-	-	277,955	-	-	277,955
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Mitchell St	DEPARTMENT Highway
DESCRIPTION/PURPOSE/JUSTIFICATION	
Prep - Repair 20 catch basins and replace 20 precast tops (\$9,157). Raise 15 manholes (\$8,250) asphalt and pave with three inches. (17,265 sq. yds.) 2.913 ton (\$302,952)	
Pave - Mill three inches	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O					320,359		320,359
D. Equipment								-
E. Other Costs								-
Total		-	-	-	-	320,359	-	320,359
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Eastern Point Road (Thames St to Chester)	DEPARTMENT Highway
------------------------------------------------------	-----------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Prep - Sidewalks 1,662 sq. feet \$14,300 and catch basins \$6,000 Pave - Mill three inches asphalt and pave with three inches. (6,648 sq. yds.) 1,122 tons \$123,420

PROJECT

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	O						143,720	143,720
D. Equipment								-
E. Other Costs								-
Total		-	-	-	-	-	143,720	143,720
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Shore Ave Seawall and Drainage	DEPARTMENT Highway
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DESCRIPTION/PURPOSE/JUSTIFICATION

Replace two existing lengths of 30" R.C.P and construct new headwall. The two pipes there now are ready to collapse from salt damage and a headwall was never built making it hard to install a flap gate on the pipe. Replace entire sea wall, (360') sidewalk and railing. Existing wall was built over the granite sea wall in the 1950'S , and is severely undermined from storms over the years. Wall on the average is 7.5' high.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	O							-
B. Land and Right of Way								-
C. Construction	O		2,500,000					2,500,000
D. Equipment								-
E. Other Costs								-
Total		-	2,500,000	-	-	-	-	2,500,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Jupiter Point Rd Drainage	DEPARTMENT Highway
--------------------------------------	-----------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Replace 34' of RCP and two head walls with a new box culvert and head walls. This has been temporarily patched up over the last few years but because of the amount of sea water flowing under and around the pipe it is failing quickly.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	O	20,000						20,000
B. Land and Right of Way								-
C. Construction	O		55,000					55,000
D. Equipment								-
E. Other Costs								-
Total		20,000	55,000	-	-	-	-	75,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Slocomb Terrace Retaining Wall	DEPARTMENT Highway
-------------------------------------------	-----------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

Replace existing 201' stone retaining wall with a concrete wall. Existing wall is collapsing and it is a retaining wall that holds up the road with a railing installed on top.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	O	18,900						18,900
B. Land and Right of Way								-
C. Construction	O		60,000					60,000
D. Equipment								-
E. Other Costs								-
Total		18,900	60,000	-	-	-	-	78,900
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT/FUNCTION
 FISCAL YEARS 2018-2023

PARKS AND RECREATION	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL	
<u>BUILDING/FACILITIES</u>									
Costa Property Improvements	G/O		900,000					900,000	
Eastern Point Fence Replacement - Playground Area	CR		15,000					15,000	
Park House Driveway Paving	CR		20,800					20,800	
Park House Roof Replacement	CR	12,000						12,000	
Park House Storage Building	CR	66,000						66,000	
Pavilion Repair and Construction	CR			15,000				15,000	
Tyler House Porch	CR		25,000					25,000	
Washington Park Bleachers	CR		34,000					34,000	
Washington Park Lights	CR		10,000					10,000	
Birch Plain Creek Trail Extension	CR/O			40,000				40,000	
<u>EQUIPMENT</u>									
Groundsmaster 4000-D Mower	CR	60,750						60,750	
<u>PLANNING/ENGINEERING</u>									
Costa Property Improvements	CR/O	70,000						70,000	
Tyler House Porch	CR	12,000						12,000	
Birch Plain Creek Trail Extension	CR/O		30,000					30,000	
<u>TOTAL</u>			<u>220,750</u>	<u>1,034,800</u>	<u>55,000</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,310,550</u>

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Costa Property Improvements	Parks and Recreation

DESCRIPTION/PURPOSE/JUSTIFICATION

Develop Property for public use: 2015 - Phase II - complete bulkhead project. Finalize conceptual plans for west parcel including grade, amenities. 2015 and 2016 and 2017 = PHASE III & IV - Bond for Pier /Dock construction, to include all costs for engineered plans for dock and pier construction, actual construction of the dock and pier, the final bid ready plans for East and West side park development and construction costs for that work.

Proposed Timeline (for planning purposes only) 1. Develop bond package to include costs associated with plans, permitting, construction of replacement dock and pier on West parcel, costs associated with plans, permitting, for park plans - both East and West side. 2. Design and construct Dock/Pier. 3. Concurrently design and approve bid ready park plans for both East and West parcels = Phase III 3. Bid and construct parks on East and West Parcels = Phase IV

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR/O	70,000						70,000
B. Land and Right of Way								-
C. Construction	G/O		900,000					900,000
D. Equipment								-
E. Other Costs								-
Total		70,000	900,000	-	-	-	-	970,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Eastern Point Fence Replacement - Playground area	DEPARTMENT Parks and Recreation
--------------------------------------------------------------	------------------------------------

DESCRIPTION/PURPOSE/JUSTIFICATION

The fencing around the playground area at Eastern Point Beach needs to be replaced, the fencing continues to deteriorate and is becoming a hazard.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR		15,000					15,000
D. Equipment								-
E. Other Costs								-
Total			15,000	-	-	-	-	15,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Park House Driveway Paving	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

Paving of the driveway and parking area of the Park House on Meridian Street. This will help with longevity of vehicles due to dust and debris.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR		20,800					20,800
D. Equipment								-
E. Other Costs								-
Total		-	20,800	-	-	-	-	20,800
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Park House Roof Replacement	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

The roof on the Park House located in Washington Park needs a new roof, there are numerous areas where the shingles have started to fall off the existing roof.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR	12,000						12,000
D. Equipment								-
E. Other Costs								-
Total		12,000	-	-	-	-	-	12,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Park House Storage Building	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

Construct a three bay storage structure adjacent to the Park House for storage of seasonal equipment so that it is not exposed to the elements or to purchase a modular three bay garage to place on property of storage.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR	66,000						66,000
D. Equipment								-
E. Other Costs								-
Total		66,000	-	-	-	-	-	66,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Pavilion Repair and Construction	Parks and Recreation
DESCRIPTION/PURPOSE/JUSTIFICATION	
Repair work and were necessary construction to existing pavilions at Washington Park, examples: roof repair, rotten wood, etc	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR			15,000				15,000
D. Equipment								-
E. Other Costs								-
Total		-	-	15,000	-	-	-	15,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Tyler House Porch	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

The porch on the Tyler house will need a structural engineer plan first, to detect the areas that need to be re-supported and re enforce the areas that have been compromised. One that is done replace of porch should take places with cost being generated from structural engineer report.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR/O	12,000						12,000
B. Land and Right of Way								-
C. Construction	CR/O		25,000					25,000
D. Equipment								-
E. Other Costs								-
Total		12,000	25,000	-	-	-	-	37,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Washington Park Bleachers	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

The bleachers at field 1, 2 need to be replaced. Would need to review Uniform Building Codes to compile. Would need to check the requirements regarding guardrails. Would like to be aluminum, 10 rows x 21'L depending on Uniform Building Codes maybe required to have aisles.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction	CR		34,000					34,000
D. Equipment								-
E. Other Costs								-
Total		-	34,000	-	-	-	-	34,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT	DEPARTMENT
Washington Park Lights	Parks and Recreation

DESCRIPTION/PURPOSE/JUSTIFICATION

The light fixtures on Field #3 have started to be compromised, water is getting into the fixtures causing the light to short out, will need to look at a plan for replacement.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR		10,000					10,000
B. Land and Right of Way								-
C. Construction								-
D. Equipment								-
E. Other Costs								-
Total		-	10,000	-	-	-	-	10,000
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Birch Plain Creek Trail Extension	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

To extend the Birch Plain Creek parklet and trail system north towards the Catherine Kolnaski School site. The project would entail purchase of land and/or easements over land belonging to Branford Manor, Groton Estates, Birch Plain Creek Property and the Town of Groton and associated clearing, site improvements, trails, and amenities. The project would require a planning and design stage, property or easement acquisition and construction which would be funded over 2 fiscal years. Grant funds for a portion of the work would be requested from the State Department of Environmental Protection's National recreation trail Program and LIS funds. Potential exists for future City/Town trail connections through High Rock Road and Poquonnock Road over town owned parcels.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering	CR/O		30,000					30,000
B. Land and Right of Way								-
C. Construction	CR/O			40,000				40,000
D. Equipment								-
E. Other Costs								-
Total		+	30,000	40,000	-	-	-	70,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Groundsmaster 4000-D Mower	DEPARTMENT Parks and Recreation
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DESCRIPTION/PURPOSE/JUSTIFICATION

Looking at ways to have the Parks division be more efficient with the maintenance of ball fields and other large areas that are mowed. This mower has an 11' mowing capacity (62" front mowing deck with 2 - 42' side wings with a 7' overlap.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	60,750	-					60,750
E. Other Costs								-
Total		60,750	-	-	-	-	-	60,750
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT/FUNCTION
 FISCAL YEARS 2018-2023

<u>POLICE</u>	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
<u>EQUIPMENT</u>								
Replacement of Bullet Proof Vests	CR/O	5,000	7,000	5,000	5,000	7,000	5,000	34,000
Replacement Police Vehicles	CR/O	67,000	42,000	67,000	42,000	67,000	42,000	327,000
<u>TOTAL</u>		<u>72,000</u>	<u>49,000</u>	<u>72,000</u>	<u>47,000</u>	<u>74,000</u>	<u>47,000</u>	<u>361,000</u>

**CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL**

PROJECT	DEPARTMENT
Replacement of Bullet Proof Vests	Police
DESCRIPTION/PURPOSE/JUSTIFICATION	
<p>The bullet proof vests that are issued to each officer have a finite life span and need to be replaced every five (5) years.</p> <p>We are replacing six (6) vests for officers whose vests will expire in FY 2018. Each vest is fitted individually to the officer. The cost for six (6) vests is \$5,880 with free shipping. The Federal Government should reimburse the City close to 50% of this amount upon proof of purchase and payment for a net cost to the City of \$2,940. Vests are replaced each year based on a 5 year cycle, and the cost varies depending on the number of vests that will need to be purchased driven by current inventory expiration and new hires. The City must pay the full purchase price in order to be eligible for reimbursement. The amount of reimbursement by the government can vary. We changed vendors in FY2017 which reduced the cost of the vests and provided free shipping.</p>	

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR/O	5,000	7,000	5,000	5,000	7,000	5,000	34,000
E. Other Costs								-
Total		5,000	7,000	5,000	5,000	7,000	5,000	34,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Replacement of Police Vehicles	DEPARTMENT Police
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DESCRIPTION/PURPOSE/JUSTIFICATION

Routine replacement of the police vehicle fleet. Costs are higher due to the fact that peripheral police equipment such as prisoner cages, MDTs, computer equipment and mounting devices have to be purchased to accommodate the first significant Ford cruiser design change since 1998. Cruisers fully equipped cost \$45,000. Cars for plain clothes and administrative assignments cost \$25,000.

RECOMMENDED FINANCING

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment	CR	67,000	42,000	67,000	42,000	67,000	42,000	327,000
E. Other Costs								-
Total		67,000	42,000	67,000	42,000	67,000	42,000	327,000

*Funding

(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other

THE CITY OF GROTON
 CAPITAL IMPROVEMENT PROGRAM
 PROJECT SUMMARY BY DEPARTMENT/FUNCTION
 FISCAL YEARS 2018-2023

FIRE	SOURCE	Required This Year	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
<u>EQUIPMENT</u>								
Vehicle Replacement Fund	CR	299,333	299,333	311,833	311,833	309,833	309,833	1,841,998
<u>TOTAL</u>		<u>299,333</u>	<u>299,333</u>	<u>311,833</u>	<u>311,833</u>	<u>309,833</u>	<u>309,833</u>	<u>1,841,998</u>

CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL

PROJECT Vehicle Replacement Fund	DEPARTMENT Fire
DESCRIPTION/PURPOSE/JUSTIFICATION	
<p>Create a Vehicle Replacement Fund to be financially prepared to replace the rolling stock as necessary because of age, condition or wear and tear. Included would be Fire Apparatus and Support Vehicles.</p> <p>Vehicle to be replaced:</p> <p>Consolidated Vehicle Plan 2016 (Replace Plow truck, Special Operations Tow Vehicle and Old Tahoe with New Multi-task EMS Response Vehicle with towing capabilities. Reassign present EMS response vehicle to Marine Tow Vehicle, Highway Safety Vehicle and plowing responsibilities out of Headquarters). The continued use of small vehicles to support our EMS program extends the life of the larger vehicles approximately five (5) years.</p> <p>Deputy Chief's Vehicle 2017 Fire Chief's Vehicle 2020 Engine 21 (2005) 2025 Engine 11 (2010) 2030 Tower Ladder 15 (2010) 2030</p>	

	Source of Funds*	Estimated Expenditures by Year						Total Estimated Cost
		FYE2018	FYE2019	FYE2020	FYE2021	FYE2022	FYE2023	
A. Planning and Engineering								-
B. Land and Right of Way								-
C. Construction								-
D. Equipment								-
E. Replacement Fund	CR	299,333	299,333	311,833	311,833	309,833	309,833	1,841,998
Total		299,333	299,333	311,833	311,833	309,833	309,833	1,841,998
*Funding	(CR) Capital Reserve Fund (G) General Obligation Bonds (O) Other							