

**TOWN OF SCITUATE, MASSACHUSETTS  
FISCAL YEARS 2019-2023**



**CAPITAL IMPROVEMENT PLAN  
TOWN ADMINISTRATOR RECOMMENDED**



Splash Pad at Oceanside Drive Seawall, photo credit Kevin Cafferty

**BOARD OF SELECTMEN**

**Maura C. Curran, Chairman**  
**Anthony V. Vegnani, Vice Chairman**  
**John F. Danehey, Clerk**  
**Shawn Harris**  
**Karen B. Canfield**

**James M. Boudreau, Town Administrator**  
**Nancy Holt, Finance Director/Town Accountant**

**JANUARY 2018**

TOWN OF SCITUATE, MASSACHUSETTS

FISCAL YEARS 2019-2023



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January 2018

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## FISCAL YEAR 2019 CAPITAL PLAN

### Town Administrator Capital Plan Overview and Message

In compliance with Section 6-3, 6-4, and Section 6-6 (a-e) of the Town Charter, the Town Administrator respectfully submits the following Fiscal Year 2019 capital budget. This document contains recommended projects for funding in FY 2019. A five-year rolling capital plan enables the Town to plan for both short and long-term capital needs.

The goal of the Town of Scituate's Capital Plan is to serve as a planning document designed to inform the community in the broadest possible ways of the potential needs and demands the Town is facing for capital equipment, maintenance and infrastructure.

### Financial Policies (Exhibit A)

The Town of Scituate Financial Policies, adopted by the Board of Selectmen in October 2012, provide the framework for funding the Town's capital and operating budgets. Adherence to these policies resulted in the positive changes to the overall financial status of the Town budget and was and will continue to be a key factor in the Town's bond rating.

### Bond Rating (Exhibit B)

Our Standard and Poor's (S&P) bond rating of AA+, one notch below AAA, the highest rating a municipality can achieve, has been maintained for the past several years.

### Capital Stabilization Fund

Created at the November 2012 Special Town Meeting with \$100,000, this fund institutionalizes a funding mechanism to allocate monies for larger capital projects so that their costs need not be absorbed all in one year. Over the past few years, the Town created similar Stabilization Funds for the Water, Sewer and Golf enterprise funds. These funds relieve pressure on debt service and are in keeping with the principles of the five-year rolling plan to fund items over time in as stable a manner as possible, avoiding huge spikes in annual payments. Also, in keeping with the Town's Financial Policies, \$100,000 of taxation has been allocated to the capital plan along with \$96,000 in anticipated meals tax receipts in FY 19.

Below is the current itemization of allocations including those recommended for FY 19 in the Town Administrator's Capital Plan:

## Capital Stabilization Fund

*Established STM 11/2012 Article 8*

Date	TM Date/Art	Amount	Balance	Comment/Purpose
11/13/2012	STM 11/2012, Art 8	100,000.00	100,000.00	Fund established
4/9/2013	ATM 04/2013, Art 3A	375,000.00	475,000.00	Fire apparatus
4/9/2013	ATM 04/2013, Art 3E	35,000.00	510,000.00	Voting machines
4/9/2013	ATM 04/2013, Art 3G	129,000.00	639,000.00	Foreshore Protection
4/9/2013	ATM 04/2013, Art 3K	100,000.00	739,000.00	Future Debt Service
11/4/2013	STM 11/2013, Art 8	(375,000.00)	364,000.00	Purchase fire apparatus
4/14/2014	ATM 04/2014, Art 5F	(35,000.00)	329,000.00	Purchase Voting machines
4/14/2014	ATM 04/2014, Art 5F	163,776.00	492,776.00	Future Debt Service
11/13/2014	STM 11/2014, Art 6	400,000.00	892,776.00	Future Debt Service
4/13/2015	ATM 04/2015, Art 3A	(147,335.00)	745,441.00	Foreshore Protection
4/13/2015	ATM 04/2015, Art 3J	50,000.00	795,441.00	Replace ambulance
4/13/2015	ATM 04/2015, Art 3K	50,000.00	845,441.00	Community turf field
4/14/2015	ATM 04/2015, Art 3L	75,000.00	920,441.00	Humarock Fire Stn #4
4/15/2015	ATM 04/2015, Art 3M	163,776.00	1,084,217.00	Future Debt Service
11/2/2015	STM 11/2015, Art 7	(780,000.00)	304,217.00	Public Safety Complex
4/14/2016	ATM 04/2016, Art 3	50,000.00	354,217.00	Replace 1986 Loader
4/14/2016	ATM 04/2016, Art 3	63,776.00	417,993.00	Future Debt Service
4/14/2016	ATM 04/2016, Art 3	(50,000.00)	367,993.00	Replace ambulance
10/16/2016	ATM 10/2016, Art 1	487,000.00	854,993.00	Future Debt Service
4/26/2017	ATM 04/2017, Art 3	(75,000.00)	779,993.00	Humarock Fire Stn #4
4/26/2017	ATM 04/2017, Art 3	(50,000.00)	729,993.00	Community turf field
4/26/2017	ATM 04/2017, Art 3	(50,000.00)	679,993.00	Replace 1986 Loader
4/26/2017	ATM 04/2017, Art 3	(50,000.00)	629,993.00	Expand Cudworth Cemetery
4/26/2017	ATM 04/2017, Art 3	63,776.00	693,769.00	Future Debt Service
4/26/2017	ATM 04/2017, Art 3	100,000.00	793,769.00	Replace 1987 Rescue Pumper
4/9/2018	ATM 04/2018, Art 3	(100,000.00)	693,769.00	Replace 1987 Rescue Pumper
4/9/2018	ATM 04/2018, Art 3	(140,000.00)	553,769.00	Cudworth Veterans Cemetery
4/9/2018	ATM 04/2018, Art 3	(157,500.00)	396,269.00	High School Floors
4/9/2018	ATM 04/2018, Art 3	96,000.00	649,769.00	Future Debt Service (proposed)
<b>Proposed Allocation Break-downs After April 2018 STM</b>				
Foreshore Protection		129,000.00		
Replace Fire Engine 5		-		
Unallocated		520,769.00		
<b>Total</b>		<b>649,769.00</b>		
<b><i>plus interest that accrues on the balance</i></b>				

### Authorized but Unissued Debt

Over the past year the Town did not have any additional issued but unauthorized debt to rescind. The current authorized and unissued debt is summarized in the table below.

Authorized & Unissued Debt			
Project Description	Authorization	Current Total	Comments
<b>General Fund</b>			
Energy Services Contract (ESCO)	Art 4H, ATM 04/2012	\$3,200,000	
Facilities Design/Engineering	Art 4J, ATM 04/2012	\$150,000	
Library Renovation/Constrctn-DE	Art 12, STM 11/2013	\$7,000,000	Private donations pledged at \$2M - \$1M received in cash to date; \$4.9M MBLC grant
Integrated Financial Software	Art 5A, ATM 04/2014	\$200,000	
Foreshore Protection	Art 22, ATM 04/2014	\$500,000	Allocated and expended on Edw Foster seawall
Middle School Construction-DE	Art 2, STM 12/2014	\$24,915,461	No additional borrowing expected due to lower than expected construction bids; \$20.& MSBA grant
Foreshore Protection	Art 18, ATM 04/2015	\$2,000,000	Not allocated to a project currently- three seawall projects already financed and ongoing over the next year
Public Safety Complex Construction (not DE)	Art 7, STM 11/2015	\$562,000	
Public Safety Complex Construction-DE	Art 8, STM 11/2015	\$751,000	
Culvert Impmnts-Bailey's Cswy & Guilson	Art 3G, ATM 04/2017	\$400,000	
SRF Oceanside Seawall 2	Art 7, STM 11/2017	\$500,000	Allocated and to be expended on Oceanside seawall
<b>Total General Fund</b>		<b>\$40,178,461</b>	
<b>Sewer Enterprise</b>			
Sewer Exp Phase IV - Design & Eng	Art 5CC, ATM 04/2014	\$400,000	
Chain Pond Pump Station	Art 3S, ATM 04/2015	\$625,000	
Copper Limit Reduction Feasibility Study	Art 4Y, ATM 04/2016	\$200,000	
Sewer SCADA Phase 2 of 3	Art 4AA, ATM 04/2016	\$200,000	
Copper Limit Reduction Feasibility Study	Art 3EE, ATM 04/2017	\$420,000	
Cedar Point Project	Art 3FF, ATM 04/2017	\$2,500,000	
<b>Total Sewer Enterprise</b>		<b>\$4,345,000</b>	
<b>Water Enterprise</b>			
Waterpipe Improvements	Art 11, STM 11/2013	\$6,847,000	
Maple St Standpipe Rehab	Art 4Q, ATM 04/2016	\$710,000	
Design of Expansion of Water Filter System	Art 4S, ATM 04/2016	\$80,000	
Water SCADA Upgrades	Art 4T, ATM 04/2016	\$88,000	
Finish Water Pumps & VFD Drives	Art 4U, ATM 04/2016	\$135,000	
<b>Total Water Enterprise</b>		<b>\$7,860,000</b>	
<b>Waterways Enterprise</b>			
South River Dredging	Art 3, ATM 03/2003	\$195,000	
Marine Park Recreational Facility	Art 4-17, ATM 03/2007	\$280,000	No current plans for projects
Harbor/River Dredging	Art 3N, ATM 04/2015	\$200,000	Future dredging project - needs permitting
<b>Total Waterways Enterprise</b>		<b>\$675,000</b>	
<b>Transfer Station Enterprise</b>			
		\$0	
<b>Total Transfer Station Enterprise</b>		<b>\$0</b>	
<b>Grand Total All Funds</b>		<b>\$53,058,461</b>	

As authorized but unissued debt is seen as potential debt by rating agencies it is good policy to clean up outstanding authorizations on a regular basis. Frequently, there are completed projects that come in under the original authorization and have the surplus balances rescinded or in some instances, transferred to other projects to offset the total authorization in any given year. There

are not any available unspent project funds to apply to the proposed FY 2019 capital plan at this time.

### **State and Federal Mandates**

New laws, rules or amendments by state agencies and the federal government can further impact our flexibility in addressing capital and operating budget needs. Water and sewer enterprises are highly regulated and in recent years mandates for storm water runoffs (MS4 Compliance) and sewer overflows have seen increased scrutiny and, in turn, new mandates. As noted here last year, the limitation on copper in the wastewater discharge is another costly mandate that we began to address in FY 17 and will expand our pilot project solution to the entire system in FY 19.

### **Enterprise Funds**

Aggressive work continues to improve and the Town's infrastructure after decades of sporadic maintenance. A design and engineering contract for the final phase of the \$22M water pipe replacement project was awarded in December 2017. A construction bid is expected to be issued for this final section in early spring 2018 with construction to be completed in calendar year 2018. Water rates increased 10% in FY14, 19% in FY15 and 19% in FY16 to pay for the debt service for the first two phases of this work.

Any capital recommendations must consider revenue trends and collection rates, total revenue, operating budget costs, debt service, indirect costs and capital needs. The FY 19 recommended capital plan recognizes the impact increased rates have on taxpayers and multiple capital requests each year have been scrutinized relevant to priority and alternative financing. Improvements will continue in FY 19, but cost and attendant staff capability to effectively manage and oversee projects will be weighed as well.

Water Enterprise: The water department has aging infrastructure other than its pipes and additional projects have been recommended to address this. Several unknown capital issues arose that required funding on the FY19 plan including addressing leaks in chemical storage tanks at the treatment plant and valve replacement on the pipe at the Creelman tank. The water supply projects funded in the FY18 plan are moving forward including an award of an engineering contract to further explore the Dolan well field and obtain permitting if viable.

The FY 19 Capital Plan recommends six water projects totaling \$169,000 from Retained Earnings. The water enterprise retained earnings were not as robust this year due to the effect of the drought, water restrictions and water conservation measures on revenue.

<b>WATER</b>		
65	Valve Replacement - Creelman Tank*	\$ 80,000
65	Replacement of Chemical Feed Tanks at Plant*	\$ 300,000
58	Replace #34 2005 Chevy Pick-up w/	\$ 53,000
58	10 Yr Meter replacement cycle program	\$ 175,000
56	2006 Van #37 Chevy 2500 w/ plow	\$ 65,000
55	Upgrade Well #17A	\$ 1,259,000
54	2006 Utility Truck #33 w/ plow	\$ 51,000
<b>Total</b>		<b>\$ 1,983,000</b>

Sewer Enterprise. As discussed previously, the federally mandated copper limit reduction is a major concern and that work will continue for the next few years. The recommended plan also supports several improvements to the treatment plant. The Town is currently conducting a feasibility study with the Towns of Cohasset and Hull to ascertain whether a regional solution is available to address the needs of North Scituate for expansion of the sewer system.

<b>SEWER</b>		
80	Copper Removal Full Scale*	\$ 500,000
69	Rehabilitation of Belt Filter Press & Grit/Sludge Dewatering	\$ 250,000
66	Aeration Tanks 1 & 2 Rehab	\$ 38,280
63	Sand Hills & Chain Pond Pump Station Rehab Fnlztn*	\$ 50,160
60	Replace #54 2005 F-150 Pick-up w/plow	\$ 48,400
62	Replacement of 2 Grinders, Digester, Polymer and Sludge Handling System	\$ 100,000
<b>Total</b>		<b>\$ 986,840</b>

It is important to remember that unlike most communities, our sewer system treats hundreds of thousands of gallons of water that is not from sewer discharge but from coastal waters.

Waterways Enterprise. The FY 19 capital plan recommends two projects. The replacement and addition of pilings at the Town's marinas will complement the ongoing Seaport Economic Advisory Council grant project. The second project is for replacement of a vessel with inclusion of a fire pump to enable the Fire Department to address the needs for fire suppression on the water and in the marinas. The Harbormaster is seeking grants to offset the cost of the vessel.

<b>WATERWAYS</b>		
59	Replacement and addition of pilings	\$ 140,610
55	Replacement of Unit 3 w/ Fire Pump & Monitor	\$ 430,000
<b>Total</b>		<b>\$ 570,610</b>

Widow's Walk Enterprise. The second construction phase of the irrigation system project is funded as are projects to replace safety netting and a design and engineering plan to examine future improvements at the facility. The Town did have to reduce the amount set aside on the Widow's Walk Capital Stabilization Fund at the November 2017 special town meeting to offset the revenue shortfall caused by the 2016 drought.

<b>WIDOWS WALK</b>		
54	Widow's Walk Design & Engineering for Imprvmnts	\$ 30,000
60	Widows Walk Irrigation System	\$ 2,200,000
32	Netting at Golf Course*	\$ 40,000
<b>Total</b>		<b>\$ 2,270,000</b>



Transfer Station Enterprise. The Transfer Station will be conducting small facility projects over the next several years including a project to address metal buildings at the facility.

<b>TRANSFER STATION</b>			
49	Sand Blast and Paint Scale	\$	40,000
<b>Total</b>		<b>\$</b>	<b>40,000</b>

**Scheduled Replacement of Equipment and Maintenance Needs**

The last several years has seen a focus on making repairs and improvements to infrastructure which has caused lower rated projects to be deferred to a future year. There are a number of vehicles and pieces of equipment recommended for funding this year due to problems in several areas due to failure of equipment. In these cases, available funds such as free cash and retained earnings are recommended as funding sources so this equipment will not incur financing costs. The FY 2019 recommended CIP continues the Town's commitment to road maintenance and foreshore protection with an overall recommendation of \$400,000. These funds are then combined with Chapter 90 funds, road and foreshore allocations in the operating budget and any grant funds received. The Town again received a Coastal Zone Management grant for engineering and preliminary environmental permitting for roadway elevation improvements and dune nourishment along North Humarock.

Seawalls/Foreshore Protection 2010-19			
Description	Authorization	Amount	Source
Seawall Repair	ATM, April 11, 2011, Art 2	\$500,000	Borrowing
Seawalls - Override*	ATM, April 11, 2011, Art 6	\$200,000	Tax Levy
Lighthouse Seawall/Revetment Repair	ATM, April 11, 2011, Art 17	\$475,000	CPA
Seawalls - Override*	ATM, April 9, 2012, Art 5	\$200,000	Tax Levy
Seawalls - Override*	ATM, April 9, 2013, Art 4	\$200,000	Tax Levy
Seawall Site Preservation	ATM, April 9, 2013, Art 12	\$200,000	CPA
Foreshore Protection Capital Stabilization	ATM, April 9, 2013, Art 12	\$129,000	Free Cash
Glades/Surfside /4th Cliff		\$95,848	FEMA; DCR grant
N Scituate Beach/Minot/1st-3rd Cliff		\$660,039	FEMA; DCR grant
Foreshore Protection	ATM, April 14, 2014, Art 5E	\$300,000	Borrowing
Seawalls - Override*	ATM, April 14, 2014, Art 6	\$200,000	Tax Levy
Foreshore Protection	ATM, April 14, 2014, Art 22	\$500,000	Borrowing
Oceanside Drive Seawall (4th-6th Ave)		\$2,000,000	State SRF Grant
Oceanside Drive Seawall (4th-6th Ave)	STM, November 13, 2014, Art 15	\$2,000,000	SRF Borrowing
Foreshore Protection	ATM, April 13, 2015, Art 3	\$200,000	Cap Stab Fd; Other Arts
Seawalls - Override*	ATM, April 13, 2015, Art 4	\$200,000	Tax Levy
Foreshore Protection	ATM, April 13, 2015, Art 18	\$2,000,000	Borrowing
Oceanside Drive Seawall (11th & Kenneth)		\$1,500,000	State SRF Grant
Oceanside Drive Seawall (11th & Kenneth)	STM, November 2, 2015, Art 11	\$1,500,000	SRF Borrowing
Foreshore Protection	ATM, April 14, 2016, Art 4E	\$200,000	Stabilization
Seawalls - Override*	ATM, April 14, 2016, Art 5	\$200,000	Tax Levy
3rd Cliff Hurricane Sandy Repairs-FEMA share		\$1,680,851	FEMA; DCR grant
3rd Cliff Hurricane Sandy Repairs-Town share	\$560,283.77 from Art 18, ATM 04/15	-	
Oceanside Drive Seawall (7th-10th Ave)		\$2,500,000	State SRF Grant
Foreshore Protection	ATM, April 26, 2017, Art 3	\$200,000	Free Cash
Seawalls - Override*	ATM, April 26, 2017, Art 4	\$200,000	Tax Levy
Oceanside Drive Seawall (7th-10th Ave)	STM, November 14, 2017, Art 7	\$500,000	State SRF Loan
Foreshore Protection	ATM, April 9, 2018, Proposed	\$200,000	Borrowing
Seawalls - Override*	ATM, April 9, 2018, Proposed	\$200,000	Tax Levy
Total		\$18,440,739	

\* FY12 Override-Assuming 50/50 split between roads and seawalls - budget is combined.

The FY19 capital plan allocates \$200,000 to roadway improvements to be combined with Chapter 90 funds, \$200,000 in the FY19 operating budget and roadway improvements incorporated in multiple water pipe replacement projects to address roads across Scituate.

### **New and Continuing Projects**

As with any viable capital plan, many requests will need to be funded in phases over a few years. The FY 2019 Capital Plan continues the Town's commitment to School Technology for the seventh year (\$100,000). Other recommended school capital includes flooring improvements to the high school, replacement of four SPED vehicles, design for improvements to the boys and girls locker-rooms at the high school and a window replacement and long term viability study for Hatherly and Cushing schools. The recommended plan also includes funding for phase 2 of the Humarock Fire Station upgrades and the purchase of a new fire pumper for which \$100,000 was previously set-aside in the Capital Stabilization Fund.

### **Public Facilities, Public Works and Land Use**

A \$500,000 recommendation is included for architectural services to provide schematic design for a new senior center of the old Gates School campus. An Owner's Project Manager (OPM) is

expected to be retained in early February to assist the Town with the senior center project and funding for the first phase of that contract is already available. The OPM will assist the Town in procuring the services of an architect to continue to move the senior center project forward if the \$500,000 is approved by town meeting in April 2018.

Two capital projects on the plan are moving through a Community Preservation application process and therefore are not recommended for funding at this time including upgrades to the Wampatuck School playground and replacement of the high school track.

A full listing of recommended general fund projects is provided below and are funded 95% by available funds.

<b>GENERAL FUND</b>			
68	Road & Sidewalk Improvements	DPW - Highway	\$ 200,000
59	Renovate Station #4 (Humarock) - Phase 2	Fire	\$ 50,000
58	Purchase of Radio Equipment & Infrastructure Upgrade	Police	\$ 160,000
56	Egypt Beach Parking Lot	Recreation/DPW	\$ 273,560
54	Foreshore Protection	DPW - Foreshore Protection	\$ 200,000
54	Expand Cudworth Cemetery Phase 3	DPW - Grounds	\$ 140,000
54	Replace #1-7 1993 Int'l 6 wheel Dump	DPW - Highway	\$ 200,000
51	Replace 1987 Rescue Pumper	Fire	\$ 537,500
50	Design New Senior Center*	COA	\$ 500,000
49	Install Communications Equipment Stn 1 & 4*	Fire	\$ 313,545
48	Relocate SCTV Studio*	Cable TV	\$ 450,000
48	Master Plan Update	Planning	\$ 100,000
46	Replace #2-3 2005 Chevy 3500 Dump truck w/plow	DPW - Grounds	\$ 70,000
46	Replace #1-3 Ford Dump Truck 2005 w/plow	DPW - Highway	\$ 70,000
45	School Technology	School	\$ 100,000
44	Replace #2-7 2001 Ford Dump Truck w/ plow	DPW - Highway	\$ 70,000
44	Replace 2008 Chevy Silverado #1-1 w/ plow	DPW - Highway	\$ 40,000
44	Window Replacement & Long Term Viability Study for Hatherly & Cushing	School	\$ 65,000
43	Purchase Two Automated License Plate Recognition Units & Parking Mngmt Program	Police	\$ 45,000
42	Replace #2-4 2005 Chevy 3500 Pick-up w/ plow	DPW - Grounds	\$ 70,000
41	Boys & Girls Locker Room High School - Design*	School	\$ 45,000
40	Replace #2-1 2005 Chevy 250 Pick-up w/ plow	DPW - Grounds	\$ 45,000
39	Expansion Tanks for Boilers High School	School	\$ 32,000
36	Replace 4 SPED vans*	School	\$ 120,000
34	Replacement of HS Floors (Science Wing, Cafeteria, Stair treads)*	School	\$ 157,500
31	Carpeting	School	\$ 50,000
<b>TRANSFER TO CAPITAL STABILIZATION FUND</b>			
	Transfer to Capital Stabilization		\$ 96,000
<b>Total</b>			<b>\$ 4,200,105</b>

Our goal is to maintain the existing debt service level in the operating budget and avoid spikes in debt service costs by planning for capital projects in a prudent manner. By replacing the retiring debt service allocation, the Town maintains a consistent commitment to funding scheduled replacement of equipment and addressing long overdue physical plant needs.

## TOWN ADMINISTRATOR FY 2019 RECOMMENDED CAPITAL

A combination of available funds and limited borrowing is recommended to fund the FY 19 Capital Improvement Program. Available funds generated from taxation, retained earnings, meals tax, capital stabilization funds, enterprise fund operating receipts, revolving funds and funds reserved from Free Cash come together to continue a regular program of pay-as-you-go capital supplemented by borrowing for larger, longer-term cost items or projects.

Initial unrestricted FY 2019 departmental capital requests submitted from non-Enterprise Fund accounts was \$6,617,465 and for Enterprise & Revolving Funds \$15,321,910, an overall total of **\$21,939,375**.

Attached is an itemization of Town Administrator and Finance Director recommended FY 19 capital projects and allocations totaling **\$10,050,555** (\$3,471,545 in General Fund and \$6,579,010 Enterprise and Revolving Funds). This year our Free Cash is robust which has enabled us to continue our Pay-As-You-Go capital plan with more capital items than in previous years. \$2,678,045 is being used to support the plan, leaving a Free Cash balance of \$499,633. Our policy is to endeavor not to go below a \$500,000 threshold balance of Free Cash to guard against unexpected circumstances (e.g. revenue shortfalls, cuts to local aid, major equipment loss, emergency storm costs).

The FY 19 Capital Plan includes all departmental requests for FY 2019-FY 2023. Ratings are completed for all four out-years of the capital plan. Projects that appear on the rolling capital plan for the first time and are requested to be funded in the current year have a high threshold for consideration. This is because the purpose of the rolling five year plan is to not be surprised by major capital items so that the Town can predictably plan and anticipate needs years out. Projects that are appearing for the first time in FY19 and met this threshold are denoted with an asterisk. The plan is only as good as the information contained within it and departments are annually asked to update quotes on projects in the outer years, re-evaluate their capital needs and re-prioritize their projects.

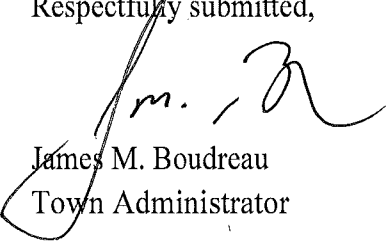
Every capital request is reviewed or re-rated for each of the five years and any required adjustments made (cost changes, year-needed changes). The FY 19 Town Administrator/Finance Director CIP recommendations contemplate available resources, future capital projects, existing debt, and authorized but unissued debt as well as the Public Facilities Master Plan.

### **Summary**

The FY19 recommended plan addresses needs in infrastructure, facilities and fleet and continues the practice of phasing projects when possible and continuing to identify capital needs in advance to better provide funding solutions that are consistent with the Town's financial policies while still addressing departmental needs.

Our gratitude is extended to all department heads for their assistance in this year's process.

Respectfully submitted,



James M. Boudreau  
Town Administrator



Nancy Holt  
Finance Director/Town Accountant

## 2018 Capital Planning Committee Members

Christopher Carchia, Chairman*	<a href="mailto:ccharchia@gmail.com">ccharchia@gmail.com</a>
John P. Whittaker*	<a href="mailto:cudworth@aol.com">cudworth@aol.com</a>
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Maura Curran, Board of Selectmen rep	<a href="mailto:mcurran@scit.org">mcurran@scit.org</a>

\*Voting member

**Town of Scituate**  
**Capital Plan - FY 2019 Town Administrator Recommended**  
**Sorted by Fund & Rating**

Total Project	Department	Year	Fund	Request	Free Cash	Taxation	Enterprise Retained Earnings	Enterprise Receipts	Enterprise Capital Stabilization Funds	PEG Access/Beach Revolving	Borrowing	Capital Stabilization (\$804,827 available)	CRITERIA						SCORE						
													A	B	C	D	E	F	A	B	C	D	E	F	
<b>WIDOWS WALK - Available Retained Earnings \$0</b>																									
54	Widow's Walk Design & Engineering for Imprvmnts	Golf/Facilities	2019	G	\$ 30,000			\$ 30,000					5 2 3 3 0 4	20 8 9 9 0 8											
60	Widows Walk irrigation System	Widows Walk	2019	G	\$ 2,200,000						\$ 2,200,000		5 2 4 4 1 3	20 8 12 12 2 6											
32	Netting at Golf Course*	Widows Walk	2019	G	\$ 40,000			\$ 40,000					5 0 1 1 0 3	20 0 3 3 0 6											
<b>Sub-total - Remaining Retained Earnings \$0</b>					<b>\$ 2,270,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,200,000</b>	<b>\$ -</b>												
<b>GENERAL FUND - Available Free Cash \$3,177,678</b>																									
68	Road & Sidewalk Improvements	DPW - Highway	2019	GF	\$ 200,000	\$ 200,000							3 3 5 5 4 3	12 12 15 15 8 6											
59	Renovate Station #4 (Humarock) - Phase 2	Fire	2019	GF	\$ 50,000	\$ 50,000							3 3 4 3 3 4	12 12 12 9 6 8											
58	Purchase of Radio Equipment & Infrastructure Upgrade	Police	2019	GF	\$ 160,000	\$ 160,000							1 4 4 4 2 5	4 16 12 12 4 10											
56	Egypt Beach Parking Lot	Recreation/DPW	2019	BCH	\$ 273,560				\$ 273,560				5 2 2 4 0 5	20 8 6 12 0 10											
54	Foreshore Protection	DPW - Foreshore Protection	2019	GF	\$ 200,000					\$ 200,000			1 3 5 3 4 3	4 12 15 9 8 6											
54	Expand Cudworth Cemetery Phase 3	DPW - Grounds	2019	GF	\$ 140,000						\$ 140,000		2 3 4 4 2 3	8 12 12 12 4 6											
54	Replace #1-7 1993 Int'l 6 wheel Dump	DPW - Highway	2019	GF	\$ 200,000	\$ 200,000							1 2 4 4 4 5	4 8 12 12 8 10											
51	Replace 1987 Rescue Pumper	Fire	2019	GF	\$ 537,500	\$ 437,500					\$ 100,000		1 2 5 4 1 5	4 8 15 12 2 10											
50	Deslgn New Senior Center*	COA	2019	GF	\$ 500,000	\$ 500,000							1 3 4 4 0 5	4 12 12 12 0 10											
49	Install Communications Equipment Stn 1 & 4*	Fire	2019	GF	\$ 313,545	\$ 313,545							1 2 4 5 1 4	4 8 12 15 2 8											
48	Relocate SCTV Studio*	Cable TV	2019	PEG	\$ 450,000					\$ 450,000			5 0 2 4 0 5	20 0 6 12 0 10											
48	Master Plan Update	Planning	2019	GF	\$ 100,000		\$ 100,000						1 4 3 3 0 5	4 16 9 9 0 10											
46	Replace #2-3 2005 Chevy 3500 Dump truck w/plow	DPW - Grounds	2019	GF	\$ 70,000	\$ 70,000							1 2 4 4 0 5	4 8 12 12 0 10											
46	Replace #1-3 Ford Dump Truck 2005 w/plow	DPW - Highway	2019	GF	\$ 70,000	\$ 70,000							1 2 4 4 0 5	4 8 12 12 0 10											
45	School Technology	School	2019	GF	\$ 100,000	\$ 100,000							1 2 2 3 4 5	4 8 6 9 8 10											
44	Replace #2-7 2001 Ford Dump Truck w/ plow	DPW - Highway	2019	GF	\$ 70,000	\$ 70,000							1 2 4 4 0 4	4 8 12 12 0 8											
44	Replace 2008 Chevy Silverado #1-1 w/ plow	DPW - Highway	2019	GF	\$ 40,000	\$ 40,000							1 2 4 4 0 4	4 8 12 12 0 8											
44	Window Replacement & Long Term Viability Study for Hatherly & Cushing	School	2019	GF	\$ 65,000	\$ 65,000							1 2 5 3 0 4	4 8 15 9 0 8											
43	Purchase Two Automated License Plate Recognition Units & Parking Mngmt Program	Police	2019	GF	\$ 45,000	\$ 40,000				\$ 5,000			3 2 4 1 0 4	12 8 12 3 0 8											
42	Replace #2-4 2005 Chevy 3500 Pick-up w/ plow	DPW - Grounds	2019	GF	\$ 70,000	\$ 70,000							1 2 4 4 0 3	4 8 12 12 0 6											
41	Boys & Girls Locker Room High School - Design*	School	2019	GF	\$ 45,000	\$ 45,000							1 2 2 3 4 3	4 8 6 9 8 6											
40	Replace #2-1 2005 Chevy 250 Pick-up w/ plow	DPW - Grounds	2019	GF	\$ 45,000	\$ 45,000							1 2 4 4 0 2	4 8 12 12 0 4											
39	Expansion Tanks for Boilers High School	School	2019	GF	\$ 32,000	\$ 32,000							1 2 4 3 0 3	4 8 12 9 0 6											
36	Replace 4 SPED vans*	School	2019	GF	\$ 120,000	\$ 120,000							1 2 2 4 0 3	4 8 6 12 0 6											
34	Replacement of HS Floors (Science Wing, Cafeteria, Stair treads)*	School	2019	GF	\$ 157,500						\$ 157,500		1 2 2 2 0 5	4 8 6 6 0 10											
31	Carpeting	School	2019	GF	\$ 50,000	\$ 50,000							1 2 1 2 2 3	4 8 3 6 4 6											
<b>TRANSFER TO CAPITAL STABILIZATION FUND</b>																									
Transfer to Capital Stabilization					\$ 96,000		\$ 96,000																		
<b>Sub-total - Remaining Free Cash \$499,633</b>					<b>\$ 4,200,105</b>	<b>\$ 2,678,045</b>	<b>\$ 196,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 728,560</b>	<b>\$ 200,000</b>	<b>\$ 397,500</b>												
<b>Sewer - Available Retained Earnings \$803,858</b>																									
80	Copper Removal Full Scale*	Sewer	2019	S	\$ 500,000						\$ 500,000		5 4 4 4 5 5	20 16 12 12 10 10											
69	Rehabilitation of Belt Filter Press & Grit/Sludge Dewatering	Sewer	2019	S	\$ 250,000						\$ 250,000		5 3 4 5 0 5	20 12 12 15 0 10											
66	Aeration Tanks 1 & 2 Rehab	Sewer	2019	S	\$ 38,280			\$ 38,280					5 4 4 4 0 3	20 16 12 12 0 6											
63	Sand Hills & Chain Pond Pump Station Rehab Fnltn*	Sewer	2019	S	\$ 50,160		\$ 50,160						5 3 3 4 4 1	20 12 9 12 8 2											

**Capital Plan - FY 2019 Town Administrator Recommended  
Sorted by Fund & Rating**

Total Project	Department	Year	Fund	Request	Free Cash	Taxation	Enterprise Retained Earnings	Enterprise Receipts	Enterprise Capital Stabilization Funds	PEG Access/Beach Revolving	Borrowing	Capital Stabilization (\$804,827 available)	CRITERIA						SCORE					
													A	B	C	D	E	F	A	B	C	D	E	F
60	Replace #54 2005 F-150 Pick-up w/plow	Sewer	2019	S	\$ 48,400		\$ 48,400						5	0	5	5	0	5	20	0	15	15	0	10
62	Replacement of 2 Grinders, Dlgester, Polymer and Sludge Handling System	Sewer	2019	S	\$ 100,000		\$ 100,000						5	3	4	4	0	3	20	12	12	12	0	6
<b>Sub-total - Remaining Retained Earnings \$605,298</b>					\$ 986,840	\$ -	\$ -	\$ 198,560	\$ -	\$ 38,280	\$ -	\$ 750,000	\$ -											
<b>TRANSFER STATION - Available Retained Earnings \$368,248</b>																								
49	Sand Blast and Paint Scale	Transfer Station	2019	TS	\$ 40,000		\$ 40,000						5	2	2	3	0	3	20	8	6	9	0	6
<b>Sub-total - Remaining Retained Earnings \$328,248</b>					\$ 40,000	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -											
<b>WATER - Available Retained Earnings \$568,547</b>																								
65	Valve Replacement - Creelman Tank*	Water	2019	W	\$ 80,000						\$ 80,000		5	2	5	4	0	5	20	8	15	12	0	10
65	Replacement of Chemical Feed Tanks at Plant*	Water	2019	W	\$ 300,000						\$ 300,000		5	2	5	4	1	4	20	8	15	12	2	8
58	Replace #34 2005 Chevy Pick-up w/	Water	2019	W	\$ 53,000		\$ 53,000						5	0	5	5	0	4	20	0	15	15	0	8
58	10 Yr Meter replacement cycle program	Water	2019	W	\$ 175,000						\$ 175,000		5	2	1	3	4	5	20	8	3	9	8	10
56	2006 Van #37 Chevy 2500 w/ plow	Water	2019	W	\$ 65,000		\$ 65,000						5	0	5	5	0	3	20	0	15	15	0	6
55	Upgrade Well #17A	Water	2019	W	\$ 1,259,000						\$ 1,259,000		5	2	4	3	1	2	20	8	12	9	2	4
54	2006 Utility Truck #33 w/ plow	Water	2019	W	\$ 51,000		\$ 51,000						5	0	5	5	0	2	20	0	15	15	0	4
<b>Sub-total - Remaining Retained Earnings \$399,547</b>					\$ 1,983,000	\$ -	\$ -	\$ 169,000	\$ -	\$ -	\$ -	\$ 1,814,000	\$ -											
<b>WATERWAYS - Available Retained Earnings \$617,952</b>																								
59	Replacement and addition of pilings	Waterways	2019	WW	\$ 140,610		\$ 140,610						5	2	4	3	0	5	20	8	12	9	0	10
55	Replacement of Unit 3 w/ Fire Pump & Monitor	Waterways	2019	WW	\$ 430,000						\$ 430,000		5	2	4	3	0	3	20	8	12	9	0	6
<b>Sub-total - Remaining Retained Earnings \$477,342</b>					\$ 570,610	\$ -	\$ -	\$ 140,610	\$ -	\$ -	\$ -	\$ 430,000	\$ -											
<b>GRAND TOTAL</b>					\$ 10,050,555	\$ 2,678,045	\$ 196,000	\$ 548,170	\$ 70,000	\$ 38,280	\$ 728,560	\$ 5,394,000	\$ 397,500											
						26.6%	2.0%	5.5%	0.7%	0.4%	7.2%	53.7%	4.0%											



**Town of Scituate**  
**Capital Plan - FY 2019 Town Administrator Recommended**  
**Sorted by Fund & Rating**

Total Project	Department	Year	Fund	Request	Free Cash	Taxation	Enterprise Retained Earnings	Enterprise Receipts	Enterprise Capital Stabilization Funds	PEG Access/Beach Revolving	Borrowing	Capital Stabilization (\$804,827 available)
<b>WIDOWS WALK - Available Retained Earnings \$0</b>												
54	Widow's Walk Design & Engineering for Imprvmnts	Golf/Facilities	2019	G	\$ 30,000			\$ 30,000				
60	Widows Walk Irrigation System	Widows Walk	2019	G	\$ 2,200,000						\$ 2,200,000	
32	Netting at Golf Course*	Widows Walk	2019	G	\$ 40,000			\$ 40,000				
<b>Sub-total - Remaining Retained Earnings \$0</b>					\$ 2,270,000	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 2,200,000
<b>GENERAL FUND - Available Free Cash \$3,177,678</b>												
68	Road & Sidewalk Improvements	DPW - Highway	2019	GF	\$ 200,000	\$ 200,000						
59	Renovate Station #4 (Humarock) - Phase 2	Fire	2019	GF	\$ 50,000	\$ 50,000						
58	Purchase of Radio Equipment & Infrastructure Upgrade	Police	2019	GF	\$ 160,000	\$ 160,000						
56	Egypt Beach Parking Lot	Recreation/DPW	2019	BCH	\$ 273,560					\$ 273,560		
54	Foreshore Protection	DPW - Foreshore Protection	2019	GF	\$ 200,000						\$ 200,000	
54	Expand Cudworth Cemetery Phase 3	DPW - Grounds	2019	GF	\$ 140,000							\$ 140,000
54	Replace #1-7 1993 int'l 6 wheel Dump	DPW - Highway	2019	GF	\$ 200,000	\$ 200,000						
51	Replace 1987 Rescue Pumper	Fire	2019	GF	\$ 537,500	\$ 437,500						\$ 100,000
50	Design New Senior Center*	COA	2019	GF	\$ 500,000	\$ 500,000						
49	Install Communications Equipment Stn 1 & 4*	Fire	2019	GF	\$ 313,545	\$ 313,545						
48	Relocate SCTV Studio*	Cable TV	2019	PEG	\$ 450,000					\$ 450,000		
48	Master Plan Update	Planning	2019	GF	\$ 100,000		\$ 100,000					
46	Replace #2-3 2005 Chevy 3500 Dump truck w/plow	DPW - Grounds	2019	GF	\$ 70,000	\$ 70,000						
46	Replace #1-3 Ford Dump Truck 2005 w/plow	DPW - Highway	2019	GF	\$ 70,000	\$ 70,000						
45	School Technology	School	2019	GF	\$ 100,000	\$ 100,000						
44	Replace #2-7 2001 Ford Dump Truck w/ plow	DPW - Highway	2019	GF	\$ 70,000	\$ 70,000						
44	Replace 2008 Chevy Silverado #1-1 w/ plow	DPW - Highway	2019	GF	\$ 40,000	\$ 40,000						
44	Window Replacement & Long Term Viability Study for Hatherly & Cushing	School	2019	GF	\$ 65,000	\$ 65,000						
43	Purchase Two Automated License Plate Recognition Units & Parking Mngmt Program	Police	2019	GF	\$ 45,000	\$ 40,000				\$ 5,000		
42	Replace #2-4 2005 Chevy 3500 Pick-up w/ plow	DPW - Grounds	2019	GF	\$ 70,000	\$ 70,000						
41	Boys & Girls Locker Room High School - Design*	School	2019	GF	\$ 45,000	\$ 45,000						
40	Replace #2-1 2005 Chevy 250 Pick-up w/ plow	DPW - Grounds	2019	GF	\$ 45,000	\$ 45,000						
39	Expansion Tanks for Boilers High School	School	2019	GF	\$ 32,000	\$ 32,000						
36	Replace 4 SPED vans*	School	2019	GF	\$ 120,000	\$ 120,000						
34	Replacement of HS Floors (Science Wing, Cafeteria, Stair treads)*	School	2019	GF	\$ 157,500							\$ 157,500
31	Carpeting	School	2019	GF	\$ 50,000	\$ 50,000						
<b>TRANSFER TO CAPITAL STABILIZATION FUND</b>												
Transfer to Capital Stabilization					\$ 96,000		\$ 96,000					

**Capital Plan - FY 2019 Town Administrator Recommended**  
**Sorted by Fund & Rating**

Total	Project	Department	Year	Fund	Request	Free Cash	Taxation	Enterprise Retained Earnings	Enterprise Receipts	Enterprise Capital Stabilization Funds	PEG Access/Beach Revolving	Borrowing	Capital Stabilization (\$804,827 available)
	<b>Sub-total - Remaining Free Cash \$499,633</b>				\$ 4,200,105	\$ 2,678,045	\$ 196,000	\$ -	\$ -	\$ -	\$ 728,560	\$ 200,000	\$ 397,500
	<b>Sewer - Available Retained Earnings \$803,858</b>												
80	Copper Removal Full Scale*	Sewer	2019	S	\$ 500,000							\$ 500,000	
69	Rehabilitation of Belt Filter Press & Grit/Sludge Dewatering	Sewer	2019	S	\$ 250,000							\$ 250,000	
66	Aeration Tanks 1 & 2 Rehab	Sewer	2019	S	\$ 38,280					\$ 38,280			
63	Sand Hills & Chain Pond Pump Station Rehab Fnlztn*	Sewer	2019	S	\$ 50,160			\$ 50,160					
60	Replace #54 2005 F-150 Pick-up w/plow	Sewer	2019	S	\$ 48,400			\$ 48,400					
62	Replacement of 2 Grinders, Digester, Polymer and Sludge Handling System	Sewer	2019	S	\$ 100,000			\$ 100,000					
	<b>Sub-total - Remaining Retained Earnings \$605,298</b>				\$ 986,840	\$ -	\$ -	\$ 198,560	\$ -	\$ 38,280	\$ -	\$ 750,000	\$ -
	<b>TRANSFER STATION - Available Retained Earnings \$368,248</b>												
49	Sand Blast and Paint Scale	Transfer Station	2019	TS	\$ 40,000			\$ 40,000					
	<b>Sub-total - Remaining Retained Earnings \$328,248</b>				\$ 40,000	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>WATER - Available Retained Earnings \$568,547</b>												
65	Valve Replacement - Creelman Tank*	Water	2019	W	\$ 80,000							\$ 80,000	
65	Replacement of Chemical Feed Tanks at Plant*	Water	2019	W	\$ 300,000							\$ 300,000	
58	Replace #34 2005 Chevy Pick-up w/	Water	2019	W	\$ 53,000			\$ 53,000					
58	10 Yr Meter replacement cycle program	Water	2019	W	\$ 175,000							\$ 175,000	
56	2006 Van #37 Chevy 2500 w/ plow	Water	2019	W	\$ 65,000			\$ 65,000					
55	Upgrade Well #17A	Water	2019	W	\$ 1,259,000							\$ 1,259,000	
54	2006 Utility Truck #33 w/ plow	Water	2019	W	\$ 51,000			\$ 51,000					
	<b>Sub-total - Remaining Retained Earnings \$399,547</b>				\$ 1,983,000	\$ -	\$ -	\$ 169,000	\$ -	\$ -	\$ -	\$ 1,814,000	\$ -
	<b>WATERWAYS - Available Retained Earnings \$617,952</b>												
59	Replacement and addition of pilings	Waterways	2019	WW	\$ 140,610			\$ 140,610					
55	Replacement of Unit 3 w/ Fire Pump & Monitor	Waterways	2019	WW	\$ 430,000							\$ 430,000	
	<b>Sub-total - Remaining Retained Earnings \$477,342</b>				\$ 570,610	\$ -	\$ -	\$ 140,610	\$ -	\$ -	\$ -	\$ 430,000	\$ -
<b>GRAND TOTAL</b>					\$ 10,050,555	\$ 2,678,045	\$ 196,000	\$ 548,170	\$ 70,000	\$ 38,280	\$ 728,560	\$ 5,394,000	\$ 397,500
						26.6%	2.0%	5.5%	0.7%	0.4%	7.2%	53.7%	4.0%





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/10/2016

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-661-01		
Project Title:	Widow's Walk Irrigation system replacement		
Category:	Construction		
Department:	Golf	Contact:	Bob Sanderson

Department Priority:

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project Is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

Description:

Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.

Complete replacement of the golf course irrigation system including pump station, main lines, lateral lines, rotors, control wire, field controllers and central controller. Estimate of \$2 million is based on the assumption that prevailing wage is required. Also includes repair to existing drainage lines that may be damaged during installation as well as recovery of the turf as needed to restore playability. The useful life of the irrigation system varies based on component though most replacement of wear items takes place as part of ongoing maintenance and is paid through the operating budget. Industry standard suggests that 20 years is an appropriate expectation for useful life of the system as a whole. Scheduling of the construction phase of the project will be focused on the off-season to have the least disruption to revenue potential.

Benefits of Project and Impact if Not Completed:

Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long-term consequences of not funding the project.

The replacement of the irrigation system will improve irrigation efficiency and distribution of water resulting in lower energy usage and the opportunity for more consistent playing conditions. Its most important function however is to sustain the course. Major or ongoing failures of the system as it ages may impact revenue potential of the operation. Value engineering will take place during the preliminary and final design phase in order to select system components that meet but not exceed the needs of the course or have quantifiable return on investment.

Discuss Operating Budget Impact:

Explain the project's short- and long-term impacts on the community's operating budget.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$12,000		\$12,000				<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,000,000				\$2,000,000		<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$200,000				\$200,000		<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$2,212,000</b>	<b>\$0</b>	<b>\$12,000</b>	<b>\$0</b>	<b>\$2,200,000</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,212,000</b>	<b>\$0</b>	<b>\$12,000</b>	<b>\$0</b>	<b>\$2,200,000</b>	<b>\$0</b>

CPA Purpose(s)

- Check all that apply
- Open Space
  - Recreation
  - Historical
  - Housing

<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



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# Fernandes Line Construction

Robert Fernandes  
1009 Forest Street  
Marshfield, MA 02050

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## PROPOSAL

AUGUST 3, 2017

WIDOWS WALK GOLF COURSE  
250 THE DRIFTWAY  
SCITUATE, MA. 02066

RE: SUPPLY AND INSTALL POLES AND NETTING FOR PROTECTION OF THE FAIRWAY VILLAGE CONDOMINIUMS. WE REQUIRE PERMISSION AND RIGHT TO ACCESS THE JOB SITE THRU THE BACK YARD. NEED CLEARANCE FOR PIPES AND WIRES IN THE GROUND. TRIMMING AND TREE CLEARANCE TO BE DONE BY OTHERS.

### FURNISH MATERIALS AND PERFORM LABOR

5 WOOD POLES, 3 HELIX GROUND ANCHORS, 5/16 EHS GUY WIRE, GUY GUARDS AND BLACK NYLON GOLF NETTING

TOTAL MATERIALS, EQUIPMENT AND LABOR===== \$39,500.00

### WARRANTY

4 YEARS ON MATERIALS AND WORKMANSHIP. SUGGEST OWNER TO CARRY THE PROPER INSURANCE FOR STORMS AND VANDALS AS OUR WARRANTY DOES NOT COVER SUCH EVENTS.

### JOB COMPLETION

WITHIN 90 DAYS FROM PROPOSAL ACCEPTANCE, CONSIDERATION GIVEN FOR WEATHER AND CONDITIONS BEYOND OUR CONTROL.

### PAYMENT SCHEDULE

WITHIN 7 BUSINESS DAYS FROM INVOICE DATE

Home: 781.837.6931  
Cell: 617.872.5081  
Email: bobfernandes209@gmail.com  
Website: fernandeslineconstruction.com





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042205		
Project Title:	Roads and Sidewalk Funds		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Funds are used to supplement chapter 90 state funds to make improvements to the roadways and sidewalks.

**Benefits of Project and Impact if Not Completed:**

*The Town is benefitted by the additional funds because we can do more paving and make accesability improvements. These funds are used in conjunction with the water project to repair the roads (full width) and replace sidewalks where they are in dire need.*

*These funds can also be used to make handicap accessibility improvements .*

**Discuss Operating Budget Impact:**

*The request is for \$200,000 to the 2019 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$200,000		\$200,000				<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/24/2017

Date of Last Edit: 10/24/17

Project Number:	2019-210-01		
Project Title:	Police Department Radio Equipment & Infrastructure Upgrade		
Category:	Equipment		
Department:	Police	Contact:	Deputy Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring    [ ]    Resubmission    [ X ]

Multiyear    [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

The Scituate Police Department wishes to purchase (10) Kenwood NX-5300 Multi Protocol Portable Radios and (10) Kenwood NX-5800 Multi Protocol Mobile Radios for police vehicles and operations. Each of these units would be equipped and licensed as P-25 compliant. Further, we would also add additional licensing to bring 30 existing portables and 5 existing mobile radios up to P-25 compliance. With this initiative, the department also plans to implement simulcast transmit functionality to each of the town's radio sites: Chief Justice Cushing Hwy, Carolina Hill, Bear Hill and NOAA.

The equipment costs for this project are \$160,000.00. The project can be implemented immediately upon approval and availability of funds. The anticipated useful life of this equipment is 8-10 years with consideration given to wear/tear and technological advancements.

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

Successful communication within any organization is often times the key element which can ultimately dictate the success or failure of that entity and its operation. In terms of public safety agencies, that success translates to protecting the health and security of both persons and property in our community.

This radio project dovetails with the FY '17 requested and approved public safety communications project. The radio network which was implemented supports digital P-25 radios. P-25 is the national radio communications standard by which all public safety agencies should comply. The P-25 standard allows any first responder from around the country to respond, render aid and communicate. Our department's inability to communicate across this protocol potentially renders our first responders critically unprepared to act during a major mutual aid incident.

In order to take full advantage of the improved infrastructure, and to allow for interoperability capability which is required in large scale events, the equipment used by our officers in the field must also be upgraded.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

The portable units will be subject to battery replacement every two to four years. Our current operating budget anticipates this expense and is able to sustain their on-going operation. Equipment support and maintenance is currently provided by a contract vendor on a time and materials basis.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$160,000	\$160,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$160,000</b>	<b>\$160,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$160,000</b>	<b>\$160,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Operating Budget Impact						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

# ALL-COMM

Technologies, Inc.

5 Whitmore Rd. Revere, MA 02151 P (781) 289-3000 F (781) 289-7300 www.allcomm1.com

Town of Scituate Police Department  
Scituate PD P25 Simulcast Upgrade  
ATTN: Deputy Mark Thompson  
9/29/2017

Qty	Nomenclature	Description	Unit Price	Total Price
<b>Chief Justice Cushing HWY Site</b>				
1	SecureSync	Spectracom Master Oscillator SecureSync	\$ 5,803.00	\$ 5,803.00
1	TBAS050	SFE P25 Common Air Interface (CAI)	\$ 3,942.27	\$ 3,942.27
1	TBAS062	Simulcast Enable SFE	\$ 2,288.25	\$ 2,288.25
2	448902	3' RG142P Jumper BNCM - BNCM	\$ 36.83	\$ 73.66
2	17232	BNC/F Tee Adaptor	\$ 9.75	\$ 19.50
2	288028	dbSpectra, Inc. - 50 OHM Load BNC 1/4W	\$ 8.10	\$ 16.20
24	SVC2017	Simulcast/BER/Delay Spread-Field Tuning	\$ 108.50	\$ 2,604.00
8	SVC2017	Stage,Tune,Align	\$ 108.50	\$ 868.00
16	SVC2017	Setup,Install Simulcast Configuration	\$ 108.50	\$ 1,736.00
Total Upgrade				<b>\$ 17,350.88</b>

Qty	Nomenclature	Description	Unit Price	Total Price
<b>Carolina Hill Site</b>				
1	SecureSync	Spectracom Master Oscillator SecureSync	\$ 5,803.00	\$ 5,803.00
1	TBAS050	SFE P25 Common Air Interface (CAI)	\$ 3,942.27	\$ 3,942.27
1	TBAS062	Simulcast Enable SFE	\$ 2,288.25	\$ 2,288.25
2	448902	3' RG142P Jumper BNCM - BNCM	\$ 36.83	\$ 73.66
2	17232	BNC/F Tee Adaptor	\$ 9.75	\$ 19.50
2	288028	dbSpectra, Inc. - 50 OHM Load BNC 1/4W	\$ 8.10	\$ 16.20
24	SVC2017	Simulcast/BER/Delay Spread-Field Tuning	\$ 108.50	\$ 2,604.00
8	SVC2017	Stage,Tune,Align	\$ 108.50	\$ 868.00
16	SVC2017	Setup,Install Simulcast Configuration	\$ 108.50	\$ 1,736.00
Total Upgrade				<b>\$ 17,350.88</b>

Qty	Nomenclature	Description	Unit Price	Total Price
<b>Bear Hill Site</b>				
1	TB9135H3MP0000J400	Rptr 470-520M 100W ACDC12/12 conv	\$ 8,910.00	\$ 8,910.00
1	TBAS067	SFE Transceiver Networking (TB91/94)	\$ 638.28	\$ 638.28
1	TBAS050	SFE P25 Common Air Interface (CAI)	\$ 3,942.27	\$ 3,942.27
1	TBAS062	Simulcast Enable SFE	\$ 2,288.25	\$ 2,288.25
1	76282	Sinclair Technologies Inc. - 406-512 MHz Pass Reject Duplexer	\$ 1,008.00	\$ 1,008.00
1	0112004B04	N-Male-N- Male Duplexer Jumper	\$ 93.60	\$ 93.60
1	0112004U04	N-Male-BNC- Male Duplexer Jumper	\$ 71.90	\$ 71.90
1	BA80-67	UHF Binary Dipole Array 400-520MHz - 6 dBd	\$ 1,250.00	\$ 1,250.00
200	300401	RFS - 7/8" Foam CELLFLEX Cable	\$ 4.27	\$ 854.00
2	328730	RFS - OMNI FIT Premium 7/16 DIN Female LCF78-50	\$ 27.00	\$ 54.00
3	384030	CommScope - SureGround Grounding Kit, (7/8")	\$ 18.36	\$ 55.08
1	354405	Lightning Arrestor 0-6 GHz	\$ 23.35	\$ 23.35
1	350367	PolyPhaser -Lightning Arrestor,D/M - D/F	\$ 125.68	\$ 125.68
1	RFJUMP-INT	RF Jumpers	\$ 200.00	\$ 200.00
1	HDWR-INT	Site Hardware	\$ 250.00	\$ 250.00
1	HDWR-EXT	Tower Hardware	\$ 250.00	\$ 250.00
1	SecureSync	Spectracom Master Oscillator SecureSync	\$ 5,803.00	\$ 5,803.00
2	448902	3' RG142P Jumper BNCM - BNCM	\$ 36.83	\$ 73.66
2	17232	BNC/F Tee Adaptor	\$ 9.75	\$ 19.50
2	288028	dbSpectra, Inc. - 50 OHM Load BNC 1/4W	\$ 8.10	\$ 16.20
1	TOWERLBR	Tower Work	\$ 3,900.00	\$ 3,900.00
24	SVC2017	Simulcast/BER/Delay Spread-Field Tuning	\$ 108.50	\$ 2,604.00
8	SVC2017	Stage,Tune,Align	\$ 108.50	\$ 868.00
24	SVC2017	Setup,Install Simulcast Configuration	\$ 108.50	\$ 2,604.00
Total Upgrade				<b>\$ 35,902.77</b>

Qty	Nomenclature	Description	Unit Price	Total Price
<b>NOAA Site</b>				
1	TB9135H3MP0000J400	Rptr 470-520M 100W ACDC12/12 conv	\$ 8,910.00	\$ 8,910.00
1	TBAS067	SFE Transceiver Networking (TB91/94)	\$ 638.28	\$ 638.28
1	TBAS060	SFE P25 Common Air Interface (CAI)	\$ 3,942.27	\$ 3,942.27
1	TBAS062	Simulcast Enable SFE	\$ 2,288.25	\$ 2,288.25
1	76282	Sinclair Technologies Inc. - 406-512 MHz Pass Reject Duplexer	\$ 1,008.00	\$ 1,008.00
1	0112004B04	N-Male-N- Male Duplexer Jumper	\$ 93.60	\$ 93.60
1	0112004U04	N-Male-BNC- Male Duplexer Jumper	\$ 71.90	\$ 71.90
1	BA80-67	UHF Binary Dipole Array 400-520MHz - 6 dBd	\$ 1,250.00	\$ 1,250.00
125	300401	RFS - 7/8" Foam CELLFLEX Cable	\$ 4.27	\$ 533.75
2	328730	RFS - OMNI FIT Premium 7/16 DIN Female LCF78-50	\$ 27.00	\$ 54.00
3	384030	CommScope - SureGround Grounding Kit, (7/8")	\$ 18.36	\$ 55.08
1	354405	Lightning Arrestor 0-6 GHz	\$ 23.35	\$ 23.35
1	350367	PolyPhaser -Lightning Arrestor,D/M - D/F	\$ 125.68	\$ 125.68
1	RFJUMP-INT	RF Jumpers	\$ 200.00	\$ 200.00
1	HDWR-INT	Site Hardware	\$ 250.00	\$ 250.00
1	HDWR-EXT	Tower Hardware	\$ 250.00	\$ 250.00
1	SecureSync	Spectracom Master Oscillator SecureSync	\$ 5,803.00	\$ 5,803.00
2	448902	3' RG142P Jumper BNCM - BNCM	\$ 36.83	\$ 73.66
2	17232	BNC/F Tee Adaptor	\$ 9.75	\$ 19.50
2	288028	dbSpectra, Inc. - 50 OHM Load BNC 1/4W	\$ 8.10	\$ 16.20
1	TOWERLBR	Tower Work	\$ 3,900.00	\$ 3,900.00
24	SVC2017	Simulcast/BER/Delay Spread-Field Tuning	\$ 108.50	\$ 2,604.00
8	SVC2017	Stage,Tune,Align	\$ 108.50	\$ 868.00
24	SVC2017	Setup,Install Simulcast Configuration	\$ 108.50	\$ 2,604.00

Total Upgrade

\$ 35,682.52

Qty	Nomenclature	Description	Local Total Price	Unit Price
<b>Kenwood NX-5300 Multi Protocol Portable Radio</b>				
10	NX-5300K2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	\$ 577.50	\$ 5,775.00
10	KNB-L3M	Li-ion 3400mAh Battery (High Capacity)	\$ 122.50	\$ 1,225.00
10	KSC-32	Rapid rate single unit charger	\$ 49.00	\$ 490.00
10	KRA-27M	UHF whip antenna 440-490 MHz	\$ 9.80	\$ 98.00
10	KBH-11	Spring action belt clip (2.5")	\$ 10.29	\$ 102.90
10	KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic Compatible with ANR Feature	\$ 91.00	\$ 910.00
10	KWD-5100CV	License Key for P25 Conventional	\$ 402.50	\$ 4,025.00
10	L-5001	Factory Activation of Radio Feature Licenses	\$ 74.00	\$ 740.00
24	SVC2017	Programming,Engraving	\$ 108.50	\$ 2,604.00

Sub-Total

\$ 15,969.90

**P25 License Upgrade for Existing NX5000 Portables**

30	KWD-5100CV	License Key for P25 Conventional	\$ 402.50	\$ 12,075.00
24	SVC2017	Reprogramming, Installing P25 license for existing portables	\$ 108.50	\$ 2,604.00

Sub-Total

\$ 14,679.00

Qty	Nomenclature	Description	Local Total Price	Unit Price
<b>Kenwood NX-5800 Multi Protocol Mobile Radio</b>				
10	NX-5800BK	Kenwood NX-5800 UHF Mobile, 45 Watt, Display 1024 Ch.	\$ 504.00	\$ 5,040.00
10	5BM	Remote Mount Kit	\$ 392.18	\$ 3,921.80
10	KAP-2	KES-5 External Speaker Amplifier Module	\$ 44.10	\$ 441.00
10	KES-5	External Speaker	\$ 42.87	\$ 428.70
10	KCT-46	Ignition Sense Cable	\$ 9.59	\$ 95.90
10	L-5019	Facory Install KAP-2 (Default) HR1/Internal Sp/PA	\$ 17.50	\$ 175.00
10	L-5016	Factory Assemble NX-5000 Mobile for Single Remote Head Control	\$ 29.40	\$ 294.00
10	C-EB25-KNX-1P	Havis Bracket	\$ 22.64	\$ 226.40
10	491537	Amphenol RF - UHF Male Crimp-RG58	\$ 6.08	\$ 60.75
10	KWD-5100CV	License Key for P25 Conventional	\$ 402.50	\$ 4,025.00
10	L-5001	Factory Activation of Radio Feature Licenses	\$ 74.00	\$ 740.00
24	SVC2017	Programming	\$ 108.50	\$ 2,604.00

Sub-Total

\$ 18,052.55

**P25 License Upgrade for Existing NX5000 Mobiles**

5	KWD-5100CV	License Key for P25 Conventional	\$ 402.50	\$ 2,012.50
8	SVC2017	Reprogramming, Installing P25 license for existing portables	\$ 108.50	\$ 868.00

Sub-Total

\$ 2,880.50

Project Total

\$ 157,769.00

Pricing is valid for 90 days from above date  
 Delivery within four weeks A.R.O.  
 Manufacturers warranty applies.  
 All pricing as per current Massachusetts State Contract FIR04

\* If FD upgrades to simulcast the PD can save \$26,981.10, by reusing the FD repeaters for Bear Hill & NOAA



**Egypt Beach**  
**Public Parking Lot**  
**Construction Estimate**  
**November 30, 2017**

Item #	Location	Unit Cost	Unit Type	Area (sf)	Area (sy)	Depth (in)	Qty.		Item Cost
1	Erosion Control	1	LS				2,500		\$2,500.00
2	Remove and Dispose Asphalt	\$2.00	sy	58,040	6448.9			sy	\$12,897.78
3	Gravel and Subbase Prep	\$11.00	sy	58,040	6448.9			sy	\$70,937.78
4	Drainage Improv.	\$1.00	LS				10,000	ea	\$10,000.00
5	2" Binder Course	\$110.00	Ton	58,040	6,449	2	722	Ton	\$79,450.31
6	2" Wearing course	\$110.00	Ton	58,040	6448.9	2	722	Ton	\$79,450.31
7	Thermoplastic Striping	\$4.00	LF	660			660	LF	\$2,640.00
Sub-total									\$257,876.18

<b>Total Lot Construction</b>	<b>\$257,876.18</b>
-------------------------------	---------------------

**85' Walkway to Beach**

1	Pulverize, fine grade	\$5.00	sy	750	83.3			sy	\$416.67
2	2" Binder Course	\$120.00	Ton	750	83	2	9	Ton	\$1,120.00
3	2" Wearing course	\$120.00	Ton	750	83.3	2	9	Ton	\$1,120.00
Sub-total									\$2,656.67

Total Walkway Construction      \$2,656.67

**Total Construction      \$260,532.84**

5% Contingency      \$13,027

<b>Total Construction</b>	<b>\$273,559.49</b>
---------------------------	---------------------



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-411-01		
Project Title:	Foreshore Protection		
Category:			
Department:	Engineering	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Annual maintenance to existing Foreshore Protection Structures. (Concrete Seawalls, Revetment, Beaches)  
 Continued Seawall Design along Oceanside Drive  
 Maintenance and Emergency Repairs  
 Grant Assistance, Design Plans  
 Repairs  
 Foreshore Protection

2019  
2020 Preventative  
2021 Additional Supplies (Stone)  
2022 Preventative Maintenance and Emergency  
2023 Seawall and Revetment Repair Designs, Alternative

**Benefits of Project and Impact if Not Completed:**

Provide Maintenance and repairs to Existing Foreshore Structures to protect the coastline homes and infrastructure.

**Discuss Operating Budget Impact:**

*General Fund*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$1,000,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,000,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/10/2016

Date of Last Edit:

Project Number:	2018-429-2		
Project Title:	Veterans Cemetery Rehabilitation - Phase II		
Category:	Construction		
Department:	DPW Grounds	Contact:	Albert Bangert- Special Projects Director

- Department Priority:
- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

Description:

Towns are required to provide burial space for deceased Veterans and their spouses/partners. The Veterans Cemetery on Cudworth Road is reaching capacity. In order to provide additional graves, the Town recently completed Phase I with the construction of a Cremation Garden which provided for 31 additional graves. This project, Phase II, will provide an additional 81 graves to be located along the northerly property of the site adjacent to the existing ball fields. Attached is a conceptual plan of the Phase II Project.

Benefits of Project and Impact if Not Completed:

The scope of the project includes; the clearing and grubbing of the wooded area and the removal of the existing stone wall along the northerly property line, site preparation for the installation of concrete burial vaults, the purchase and installation of the vaults, the construction of a concrete base for monuments, the construction of an asphalt access driveway, the installation of a decorative wrought iron fence along the northerly property line and landscaping with trees and shrubs along the fence line.

Discuss Operating Budget Impact:

The short term impact is the addition of graves within the existing site. By providing vaults already in the ground it will minimize distribution of the site and the time required of Public Grounds personnel in preparing the site for burials. The longterm impact is it will provide time for the Town to study and plan for a future site for an additional Veterans Cemetery in as much as with the completion of this project the Cudworth Road Veterans Cemetery will be at capacity.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$10,200						<input type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$163,300						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$0							
Contingency	\$17,300							
Other	\$0							
<b>TOTAL</b>	<b>\$190,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPA Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Net of CPA and Grants	\$190,800	\$0	\$0	\$0	\$0	\$0

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

\$ 50,000 funded FY 2018









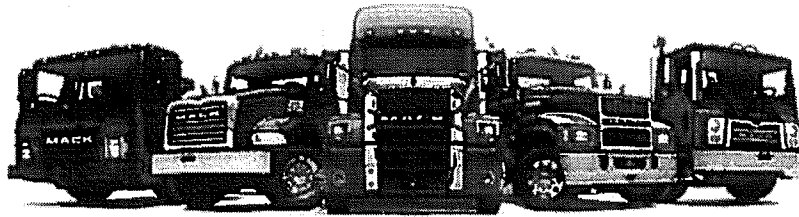


1. Truck: Highway 1-7
2. Year : 1993
3. Mileage : 140,000
4. Used for: Transporting material
5. Problems to truck : Cracked frame two places



Date 12/11/2017  
Quote no. PICK2017000599A458

GRANITE 2019



Quote For  
SCITUATE TOWN OF

By  
Eric Archambault  
BALLARD TRUCK CENTER





Date 12/11/2017  
 Quote no. PICK2017000599A458  
 Your ref.

SCITUATE TOWN OF  
 CHF JUSTICE CUSH SCHOOL DEPT 606  
 SCITUATE MA 02066

## Quote

Please find our proposal for a new truck as per enclosed Technical Specification.

### 1 GRANITE 64FR

#### Market Extras

19B Freight (28)	\$ 2,100.00
19B GHG Emission Surcharge (28)	\$ 750.00

<b>Vehicle Sales Price</b>	<b>\$ 169,877.00</b>
----------------------------	----------------------

<b>Delivery Time</b>	Stock trucks are quoted subject to availability.
<b>Terms Of Payment</b>	Payment due upon delivery.
<b>Validity</b>	Quote is valid for 30 days unless otherwise specified.

Comments:

Yours sincerely

---

Eric Archambault  
 Date:  
 BALLARD TRUCK CENTER

---

SCITUATE TOWN OF  
 Date:  
 Chf Justice Cush School  
 Dept 606  
 SCITUATE MA 02066

THE AMERICAN TRUCK  
 YOU CAN COUNT ON



J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER , MA.

SALES DEPT.  
TEL.(978)847-2900  
FAX(978)847-0068

QUOTE :TOWN OF SCITUATE HWY DEPT

TO ERIC @ BALLARD

FROM JOHN DWYER

1)14 FT (14 TO 16 CUYD) MONOSHELL DESIGN HARDOX STEEL  
DUMP BODY BiBEAU MODEL BMT WITH A MAILHOT  
TELESCOPIC HOIST AND 3/16" AR450 FLOOR INSTALLED ON A  
TOWN SUPPLIED CHASSIS UNDERCOATED AND PAINTED ONE  
COLOR

- A) 36" STEEL CABSHIELD W/ RECESSED LED FLASHERS
- B) SIDE MOUNTED ACCESS LADDER W/ HANDLE
- C) DUMP AND LIFT ALARMS
- D) AIRGATE W/ IN-CAB MOUNTED CONTROLS
- E) AERO AUTO TARP SYSTEM W/ ASPHALT COVER & ALUMINUM ARMS
- F) REAR, & FRONT TANDEM AXLE MUDFLAPS
- F) 42" SIDE HEIGHT W/ 54" TAILGATE
- G) 1" PINTLE PLATE W/ 30T PINTLE, D-RINGS, & 7-SPADE RV TRAILER PLUG
- H) REAR RECESSED LED FLASHERS IN REAR CORNER POSTS

2) FRONT ENGINE MOUNTED CENTRAL HYDRAULIC SYSTEM  
WITH DRY VALVE AND IN-CAB MOUNTED AIR CONTROLS TO  
OPERATE DUMP AND 4-WAY PLOW .

3) EVEREST CUSTOM PLOW FRAME MODEL MT INSTALLED W/  
HOOD MOUNTED PLOWLIGHTS AND CLAMP JAW STYLE QUICK  
COUPLER BOX

PRICE \$41975.00

(FRONT DAMPER ADAPTER, FRONT FRAME EXT. & 108" CT NEEDED)

APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

PO# \_\_\_\_\_

12/08/2017



Date 12/11/2017  
Quote no. PICK2017000599A458  
Your ref

SCITUATE TOWN OF  
CHF JUSTICE CUSH SCHOOL DEPT 606  
SCITUATE MA 02066

## Technical Specification

### GRANITE 64FR

#### CUSTOMER/VEHICLE INFO

GRANITE 64FR  
2008-10-07  
2019 MODEL YEAR  
COMMERCIAL  
ALL 50 STATES, CARB ENGINE EMISSION (US17)  
ENGLISH  
FLATBED TRUCK  
80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT  
BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)  
GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16%  
AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS  
PER YEAR  
ON-OFF HIGHWAY, STARTING GRADES<18%  
CONCRETE LOADING AND / OR UNLOADING SURFACE  
CONSTRUCTION SERVICE

#### APPLICATION PACKAGES

PK7 177A: CTO; LH BB, 33L DEF, 72 GALLON SLEEVED, OUTBOARD AIR

#### ENGINE/TRANSMISSIONS

MP7-425M MACK 425HP @ 1500-1800 RPM (PEAK) 2100 RPM (GOV) 1560 LB-FT, US'17  
MACK TMD12AFO-HD mDRIVE HD 12 SP-(OVERDRIVE)  
ENGINE GOVERNOR TYPE MIN-MAX

#### EXHAUST/EMISSIONS

IDLE EMISSION CERTIFICATION - CARB 08 (WITH DECAL LOCATED ON LOWER LH  
CORNER OF DRIVER DOOR  
CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17  
DPF COVER, PAINTED STEEL  
SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED  
END  
9' 6" FROM GROUND  
8.7 GALLON (33 L) 26" INTEGRAL TO LH FUEL TANK

THE AMERICAN TRUCK  
YOU CAN COUNT ON





Date 12/11/2017  
Quote no. PICK2017000599A458

EMISSION OBD, DISPLAY ONLY, USA2018

#### ENGINE EQUIPMENT

11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD  
BLACK ALUMINUM MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER  
MERITOR/WABCO 318 (18.7 CFM)  
DELCO 12V 130A (24SI) BRUSH-TYPE  
(3) MACK 12V 650/1950 CCA THREADED STUD TYPE  
CHEVRON FULLY FORMULATED COOLANT W/ NITRATES (50/50 MIX DYED PINK) TO -34DEG  
MACK COOLANT CONDITIONER  
BEHR FAN WITH BEHR ELECTRONICALLY MODULATED FAN DRIVE  
MACK MP7 POWERLEASH  
MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)  
(3) BATTERY MAX, MTD LHS UNDER CAB, FWD OF LH FUEL TANK  
MOLDED PLASTIC  
SILICONE HOSES, SPRING CLAMPS ON RADIATOR & HEATER, 1/4 TURN BALL VALVE  
HEATER HOSE  
12 VOLT DELCO 39MT-MXT  
CORROSION RESISTANT OIL PAN  
120V 1500 WATT ENGINE BLOCK HEATER  
VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)

#### CLUTCH/TRANS EQUIPMENT

MACK mDRIVE-PREMIUM SHIFTER  
ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL  
SPICER SPL350XL "EXTENDED LUBE SERIES"  
SPICER SPL250HDXL EXTENDED LUBE SERIES  
75W - 90 (SYNTHETIC LUBRICANT)  
MACK mDRIVE TRANSMISSION OIL COOLER MTD LH SIDE OIL TO WATER COOLER  
PROPELLER SHAFT MAIN, UNIVERSAL JOINT HALF-ROUND TYPE  
TRANSMISSION OUTPUT TORQUE BASIC  
HALF-ROUND UNIVERSAL JOINT  
ALUMINUM  
GRADE GRIPPER  
MACK mDRIVE- ENHANCED PERFORMANCE MODE- AUTO RETURN (premium)  
ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSIONS)  
MACKCELLERATOR ENABLE

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**FRONT AXLE EQUIPMENT**

20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS  
MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING  
MERITOR "S" CAM TYPE 16.5" x 6" Q+  
CAST IRON BRAKE DRUM, FRONT AXLE  
FURNISH DUST SHIELDS  
FRONT BRAKE CHAMBER MANUFACTURER, MGM  
HALDEX - AUTOMATIC  
FRONT BRAKE CHAMBER 24SQ INCHES (SERVICE)  
FERROUS  
FAG SCHAEFFLER, FRONT GREASE SEAL  
STANDARD F.A. SPINDLE NUTS  
DOUBLE ACTING TYPE  
SHEPPARD SD110 + HD94  
PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE

**REAR AXLE EQUIPMENT**

52000# (23600kg) MACK S522 CAST DUCTILE IRON HOUSING  
CRDP150/151  
3.79 RATIO  
SS52 MACK MULTILEAF (CAMELBACK) 52000#, EXTRA THICK SPRING THICKNESS  
BRONZE  
55" AXLE SPACING (BOGIE WHEELBASE)  
MERITOR HEAVY DUTY "S" CAM 16.5"x7" Q+  
CAST IRON BRAKE DRUMS  
HALDEX - AUTOMATIC  
DUST Shields  
REAR SPRING BRAKE CHAMBERS 30/30 TYPE  
FERROUS  
CHICAGO RAWHIDE (SCOTSEAL)  
BASIC SPINDLE NUTS, MAIN AXLE  
POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT  
FACTORY OPTION LUBE - REAR AXLE  
RUBBER SHOCK INSULATORS  
MGM MODEL TR-T; TAMPER-RESISTANT BRAKE CHAMBERS  
DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK ALL RR AXLES, MANUAL AIR VALVE W/WARNING LIGHT.  
4S/4M SYSTEM REAR WHEEL END SENSORS  
BENDIX WITH TRACTION CONTROL





Date 12/11/2017  
Quote no. PICK2017000599A458

#### FRAME EQUIPMENT/FUEL TANKS

201"

57"

STEEL - 300MM X 105MM X 11.1MM -- (11.81" X 4.13" X 0.437" )

BUMPER POSITION EXTENDED 20" (SNOW)

BOC AND INTERMEDIATE CROSSMEMBERS, HD I-BEAM

FURNISH STANDARD STEEL CLOSING REAR CROSSMEMBER

BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE)

EXTENDED-SWEPT BACK-STEEL

BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT

HOOKS

72 GALLON (275 L) 26" ALUMINUM, SLEEVED D-SHAPED

BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK

W/O RH FUEL TANK

BRAIDED HOSE

NON-LOCKABLE FUEL TANK CAP

#### AIR/BRAKE

WABCO 1200UP W/TURBO CUT OFF VALVE, W/COALESCING OIL FILTER, HEATED

MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS

ALUMINUM, STANDARD FINISH

SINGLE VALVE SYSTEM

#### ELECTRICAL

CHASSIS & POWER HARNESS WITH HEAVY DUTY CASING

DASH CONTROL & WIRING, W/HOLESIZE TO ACCOMMODATE LOCAL INSTALL OF  
RND/RECT AUX FOG OR DRIVING

DASH CTRL/PWR SUPPLY/LOCAL INST PLOW LAMPS W/LEAD FURN@ GRILL W/2W/3W

WEATHER PACK CON

INCANDESCENT TAIL LAMPS

TWO (2) EXTRA DASH MOUNTED ILLUMINATED SWITCHES

PARK BRAKE AND ENGINE RUNNING ACTIVATED

#### TRAILER CONNECTIONS

HAND CONTROL VALVE FOR TRAILER BRAKES OR SERVICE BRAKES WITHOUT END OF  
FRAME AIR CONNECTIONS

SINGLE 7 PINS STD SAE TYPE, END OF FRAME

#### PTO/SPECIALTY EQUIPMENT

CERTIFIED WEIGHT

1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)

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Date 12/11/2017  
Quote no. PICK2017000599A458

PTO PUMP PROVISIONS FOR DIN 5462 W/DASH MTD SWITCH N/A W/Underframe exhaust.  
BODY LINK III W/CAB PASS-THRU

**CAB (A THRU G)**

Day Cab (No Sleeper)  
BLEND AIR HVAC W/"ATC" TEMP REGULATION  
BRIGHT FINISH GRILLE  
FURNISH STANDARD (2) STEP CAB ACCESS OPTION  
TINTED WINDSHIELD, TINTED SIDE WINDOW AND TINTED REAR WINDOW (IF EQUIPPED)  
PEEP WINDOW ON RIGHT SIDE NON STG WHL POS. DEPEND  
(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED  
FENDER EXTENSIONS  
5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED  
REARWARD  
POLYURETHANE FLOOR MAT  
U.S. UNITS (PREDOMINANT)  
BF EXTERIOR CAB GRAB HANDLES, BL GRAB HANDLE RH INTERIOR WINDSHIELD POST  
BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED

**CAB (H THRU R)**

WITH INSPECTION HATCH FOR SNOWPLOW HOOD  
HOOD INSULATION  
PAINTED HOOD LATCHES  
(1) MACK RECTANGULAR SINGLE TRUMPET, CHROME PLATED STEEL W/SNOW SHIELD  
VINYL COVERED FOAM PADDED HEADLINER  
SINGLE TONE  
DEFAULT: English, Spanish, French, OPTION: None  
CHASSIS KEYED AT RANDOM - 2 KEYS  
WITH AERO MIRRORS  
BULLDOG STYLIZED MIRRORS - HEATED W/INTEGRAL CONVEX MIRROR  
WITH AERO MIRRORS  
BULLDOG STYLIZED MIRRORS - HEATED W/INTEGRAL CONVEX MIRROR  
(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB  
PROVISIONS  
AM/FM PREMIUM STEREO, CD-PLAYER, MP3, WEATHERBAND, HANDSFREE INTERFACE,  
BLUETOOTH  
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR  
PREP KIT FOR MOUNTING ON LT SIDE MIRROR (W/O ANTENNA)  
POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE

THE AMERICAN TRUCK  
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Quote no PICK2017000599A458

SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL  
CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE  
REAR CAB SUSPENSION, AIR  
REAR WINDOW (FIXED TYPE)  
(5) TRUCKLITE LED CHROME BULLET TYPE LAMPS  
STORAGE POUCH REAR

**CAB (S THRU Z)**

DRIVER'S SEAT - STEEL GREY VINYL  
MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR  
MACK-FIXED, HIGH BACK, W/ STORAGE BOX  
PASSENGER'S SEAT - STEEL GREY VINYL  
LAP & SHOULDER (BOTH SEATS) CAB MTD SHOULDER BELT ADJUSTMT(NOT AVAIL  
W/EXTED RIDER SEAT)  
STANDARD PACKAGE, STEEL GRAY (Package 11A)  
KEY TYPE  
2 SPOKE URETHANE GRIP, GUNMETAL SPOKES, W/O SWITCHES  
SUN VISOR - BOTH SIDES  
SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)  
SELF CANCELLING TURN SIGNALS  
POWER WINDOW LIFT WITH ELECTRIC DOOR LOCK, LH & RH  
2-PIECE WINDSHIELD  
2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE

**WHEELS & TIRES**

LOW ROLLING RESISTANCE, BETTER FUEL ECONOMY  
315/80R22.5 L BRIDGESTONE M860A (ALL POSITIONS)  
TIRE SPEED LIMIT BASIC  
22.5x9.00 ALCOA ULTRA ONE ALUM DISC 10-HP; 11.25" BC, 5.96"INSET  
MACHINE CLEAN BUFFED-ALL WHEELS  
TWO FRONT TIRES & WHEELS  
BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY  
12R22.5 H BRIDGESTONE M843 (ALL POSITIONS)  
22.5x8.25 ALCOA LVL ONE ALUM DISC 10-HOLE HUB PILOTED (11 1/4" 286mm BOLT  
CIRCLE)  
MACHINE CLEAN BUFFED - ALL WHEELS  
EIGHT REAR AXLE TIRES & WHEELS  
DRIVE WHEEL STUDS LONGER LENGTH  
WHEEL NUT BASIC FINISH, REAR  
PROVIDE STANDARD VALVE STEMS AND CAPS

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**PAINT**

SINGLE COLOR  
PEARL OR MICA PAINT  
INDIGO BLUE PEARL; P2299  
PAINT - CAB, URETHANE CLEAR COAT  
SAME AS FIRST COLOR - CAB  
SAME AS FIRST COLOR- HOOD  
MACK BLACK (URETHANE)  
SAME AS FIRST COLOR  
PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2019-220-1		
Project Title:	Fire Rescue/Pumper Replacement		
Category:	Vehicle Replacement		
Department:	Fire Dept.	Contact:	Fire Chief John Murphy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]     Resubmission [ ]

Multiyear [ ]    Phase 2 of 2

**Description:**

*This reserve rescue/pumper will be 31 years old next spring. NFPA 1710 recommends all Recue Pumpers be replaced on a 20 year cycle. This pumper has exterior seating in the rear cab & is antiquated compared to current standards. We currently carry three front line pumpers with two in reserve. There are multiple times each year these reserve pumpers are in use usually due to similtaneous maintenance issues of our front line apparatus. All five pumpers are put into frontline service during any significant event or storm.*

**Benefits of Project and Impact if Not Completed:**

*The recommended replacement cycle of 5 years is used to maintain our apparatus over a 20-25 year lifespan. The new apparatus are more effective at pumping water & are more fuel efficient. The new apparatus exhaust are much more environmentally safe & contain much less Benzene release which is a known carcinogen proven to be fatal to firefighters.*

**Discuss Operating Budget Impact:**

*The request is for \$437,500 to suppliment the \$100,000 appropriated in FY18. The total estimate of the Rescue Pumper & equipment is \$537,500 (attached). This will likely come from the GF. We have applied for Rescue Pumper grants & will continue to do so.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$537,500	\$437,500				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$537,500</b>	<b>\$437,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$0	\$0	\$0	\$0	\$0	\$0

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

FJ 2019-220-1



530 JOHN DIETSCH BOULEVARD  
NORTH ATTLEBORO, MA 02763-1080  
PHONE: 508.695.7138  
FAX: 508.699.6842  
PARTS: 1.800.347.3878

Town of Scituate, MA  
Scituate Fire Department  
149 First Parish Road  
Scituate, MA 02066

October 23, 2017

RE: Pumper Project

Chief Murphy,

Thank you for the opportunity to help you set a budget number for your upcoming pumper purchase. We appreciate your interest in Greenwood Emergency Vehicles, LLC. and E-One. Based on the information that was given to me I have established a budget number for this project at \$ 537,500.00. This is based on the price of your 2012 pumper and the price increases since then. This price is based on a math equation and does not take into consideration and changes that may be desired either as additions or deletions. I would be glad to meet with you and/or your representatives as may be needed. Please let me know if I can be of further assistance to you.

This purchase is available through the FCAM / MAPC state bid pumper purchase program.

Thank you for your consideration.

Respectfully,

John D. Buckley  
Regional Sales Manager  
Greenwood Emergency Vehicles, Inc.  
530 John Dietsch Blvd.  
North Attleboro, MA 02763  
508-809-9815  
jbuckley@GreenwoodEV.com



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/24/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-541-1		
Project Title:	New Senior Center		
Category:	Architectural Design		
Department:	Council on Aging	Contact:	Linda Hayes

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring         Resubmission  

Multiyear         Phase \_\_\_ of \_\_\_

**Description:**

*Proposed new senior center facility of approximately 14,000 square feet to be constructed on land parcel owned or available to the Town of Scituate to be approved at 2018 town meeting and subsequent ballot vote. Subsequent timeline to be decided.*

**Benefits of Project and Impact if Not Completed:**

The Senior Center is a critical stakeholder in managing and providing services to our community seniors and their families. The current facility lacks space for multiple programs, exercise areas, lunch facility, adequate parking, ADA requirements along with the welcoming space that a senior center should offer to the public for making connections and providing a home-base for many seniors in the community. Un-met needs will continue to increase in our community because of the inadequate facility. We will miss an opportunity to develop a town asset that is inclusive and provides a necessary Town service as well as that grows with the community as needs evolve, like the increase in residents approaching senior 'age' and the many and varied needs and interests so seniors between the ages of 60 and 65.

**Discuss Operating Budget Impact:**

The budget will need to grow to support the new facility operationally but programming can be managed to offset the costs and Formula Grant opportunities for funding and ongoing Fronds support will provide much needed funds once a building is complete.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$500,000	\$500,000				
Land Acquisition	\$0					
Construction	\$12,780,000		\$12,780,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$13,280,000</b>	<b>\$500,000</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$13,280,000</b>	<b>\$500,000</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

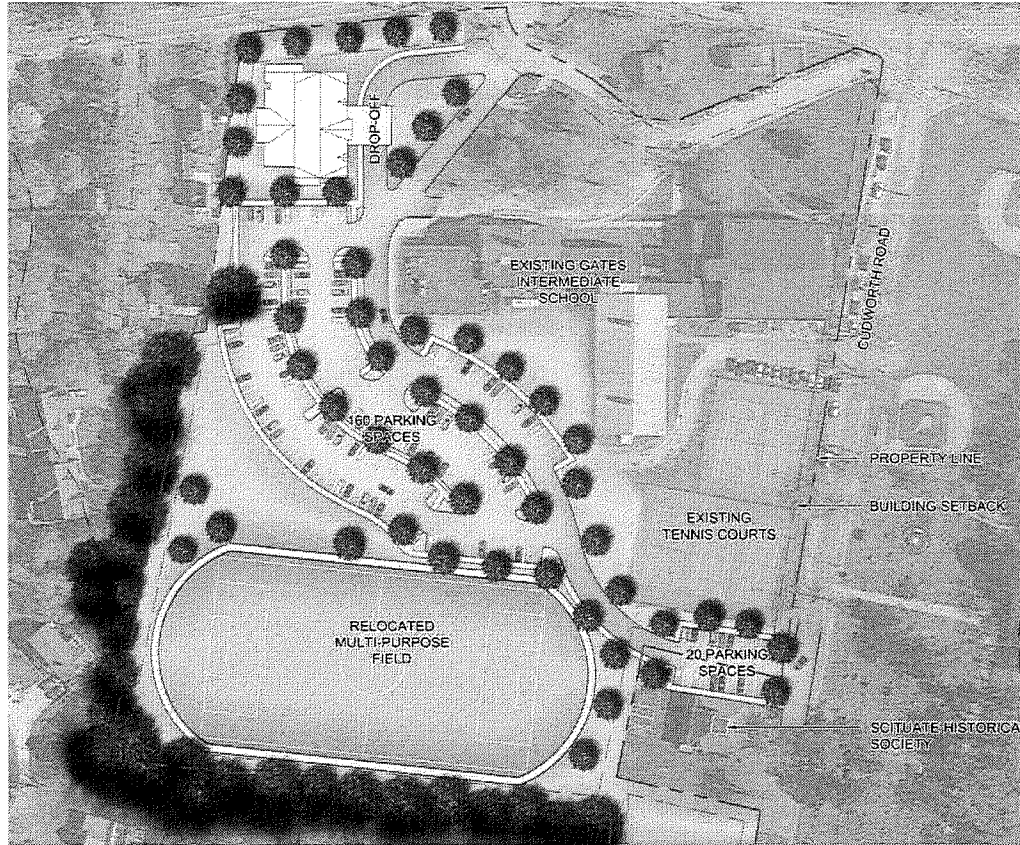
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



SITE DATA MATRIX

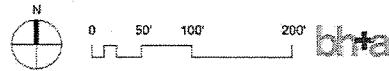
Data Category	620 Country Way	note	Gates School	note	Kent Street	note	85 Branch Street	note
<b>0 Zoning &amp; Dimensional Data</b>								
District	R-2		R-2		R-2	Water Resource Protection Overlay District Planned Development Overlay District (H-A2)	R-2	Water Resource Protection Overlay District
flood plain district	No		No		Yes	Eastern Edge of Site	Yes	Western Portion of Site
water resource protection district	No		No		Yes		Yes	
municipal building an allowed use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use
deed restriction								
<b>Dimensional Restrictions</b>								
actual lot area from GIS map	4.50		6.00	acres	7.00	acres	11.00	no info on property map for adjacent site
actual square foot lot area from GIS map	196,020	sf	261,360	sf	304,320	sf	479,160	sf
minimum lot area	20,000 sf		20,000 sf		20,000 sf		20,000 sf	
minimum lot width	125 feet		125 feet		125 feet		125 feet	
minimum lot frontage of road	100 feet		100 feet		100 feet		100 feet	
front yard setback	30 feet		30 feet		30 feet		30 feet	
rear yard setback	30 feet		30 feet		30 feet		30 feet	
side yard setback	15 feet		15 feet		15 feet		15 feet	
allowable lot coverage for structures	na		na		na		na	
allowable buildable area in sf		sf		sf		sf		sf
proposed buildable footprint (coverage)	sf two story	sf two story	15,000	sf two story	15,000	sf two story	15,000	sf two story
footprint available for expansion based on coverage	na		na		na		na	
allowable lot coverage structures and parking	na		na		na		na	
allowable lot coverage in sf	na		na		na		na	
actual lot coverage for building & 125 cars	75,000	sf with 2 story building	75,000	sf with 2 story building	75,000	sf with 2 story building	75,000	sf with 2 story building
actual lot coverage structures and parking	90,000		90,000		90,000		90,000	
min lot area req'd for building & parking in zone	na		na		na		na	
max building height (stories)	3 stories		3 stories		3 stories		3 stories	
max building height (feet)	35 feet	to highest point	35 feet	to highest point	35 feet	to highest point	35 feet	to highest point

## SITE DESCRIPTIONS, SITE NOTES, AND SITE PLANS



The new Option B locates the Senior Center building at the North West corner of the site with its side fronting onto First Parish Road and its entry fronting on the green space at the front of the Gates School. The one-story wing of the school building is demolished to accommodate this option. This will provide good frontage on First Parish Road and will allow the existing circular entry drive to remain in place. The parking will be consolidated into one large lot behind the school building. The parking lot is essentially flat and at the same level as the Senior Center building. It accommodates 160 cars for both buildings. The future use of the Gates Building unknown but there will likely be an advantage to sharing the parking lot when the peak periods of use are analyzed relative to each other.

Option B



**CONCEPTUAL CONSTRUCTION COST ESTIMATES**

TOTAL PROJECT COST CALCULATION	620 Country Way	327 First Parish Road, Gates School			New Kent Street	85 Branch Street, Town Library		
	Option A & B	Option A	Option B	Previous Scheme	Option A & B	Option A	Option B	Option C
<b>HARD COST</b>								
<b>General Contractor</b>	7,994,000	10,951,000	11,052,000	11,374,000	8,019,000	10,015,000	9,665,000	9,672,500
Construction Cost Estimate	7,161,000	9,232,000	9,342,000	9,655,000	7,186,000	9,133,000	8,783,000	8,790,500
Utility Backcharge	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
<b>Furniture, Fixtures &amp; Equipment</b>	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Furniture	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Equipment (phones, computers, etc.)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>Hard Cost Subtotal</b>	<b>\$8,294,000</b>	<b>\$11,251,000</b>	<b>\$11,352,000</b>	<b>\$11,674,000</b>	<b>\$8,319,000</b>	<b>\$10,315,000</b>	<b>\$9,965,000</b>	<b>\$9,972,500</b>
<b>SOFT COST</b>								
<b>Permits &amp; Approvals</b>	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Conservation Commission								
Planning Board Site Plan Approval	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Town Meeting								
<b>Architecture &amp; Engineering</b>	791,100	998,200	1,009,200	1,040,500	876,900	1,076,500	953,300	954,050
Architect & Engineer (% of construction cost) 10%	716,100	923,200	934,200	965,500	801,900	1,001,500	878,300	879,050
A&E Reimbursables	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
FF&E Specification & Purchasing 10%	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Geotechnical Engineer	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Survey & Layout	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
<b>Testing &amp; Inspections</b>	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Concrete & Steel, Soil Inspections								
<b>Project Management</b>	165,860	225,020	227,040	233,480	166,380	206,300	199,300	199,450
Owner's Project Manager 2%								
<b>Moving</b>	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
<b>Advertising &amp; Bidding</b>	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Public Bidding: Advertising, Printing & Document Website								
<b>Legal</b>	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Contracts								
<b>Other</b>	-	-	-	-	-	-	-	-
Bonding Costs								
<b>Soft Cost Subtotal</b>	<b>\$1,017,000</b>	<b>\$1,284,000</b>	<b>\$1,297,000</b>	<b>\$1,334,000</b>	<b>\$1,104,000</b>	<b>\$1,343,000</b>	<b>\$1,213,000</b>	<b>\$1,214,000</b>
<b>CONTINGENCY</b>								
<b>Contingency</b>	419,000	564,000	568,000	585,000	424,000	525,000	503,000	503,000
Owner's Contingency 4.5%								
<b>Project Total</b>	<b>\$9,730,000</b>	<b>\$13,099,000</b>	<b>\$13,218,000</b>	<b>\$13,593,000</b>	<b>\$9,847,000</b>	<b>\$12,183,000</b>	<b>\$11,681,000</b>	<b>\$11,689,500</b>

This chart shows how construction costs are supplemented to other project costs to determine a Total Project Cost that is funded by a Town Meeting.

Potential Location	Nearby Residential Areas/Pedestrian Access	Access to Transit	Nearby Over-flow Parking	Estimated Parking Needs
Gates Intermediate School	Yes. No sidewalks provided on main roadways.	Yes. Scituate SLOOP on First Parish Road.	No. Parking for school and ancillary uses is limited.	125 to 150 spaces. 150(A) and 180 (B) provided. Additional parking will be needed for school and recreational uses.
New Kent Street	Minimal number of residential development. No sidewalks in area.	Yes. Scituate SLOPP on Driftway and Kent Street. MBTA Greenbush Line close by.	None.	125 to 150 spaces. 100 spaces provided with 35 supplementary spaces identified.
620 Country Way	Yes. Sidewalks available on Country Way.	Yes. Scituate SLOOP on Country Way	None.	100 to 125 spaces. 84 spaces provided with 35 supplemental spaces indicated.
85 Branch Street	Yes. Sidewalks on Branch Street	Yes. Scituate SLOOP on Branch Street.	Yes. Potential shared parking with library and Housing Authority.	100 to 125 spaces. 128 spaces provided for Option A, 213 spaces provided for Option B but that includes parking needed for library. 110 spaces with 40 supplemental spaces provided for Option C.

Limited sightlines on First Parish Road  
 Confusing turning movements @ intersection  
 1 access point if one story wing remains

High speed road  
 More than adequate sight distance  
 2 access points

30 mph reasonable speed road  
 1 access point  
 More than adequate sight lines  
 Tight site; No expansion

2 options w/ only 1 access  
 Shared parking  
 Impacts new work  
 reasonable speed road  
 More than adequate sight lines



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2019-220-2		
Project Title:	Install Communication Equipment Station 1&4		
Category:	Equipment/Communication Improvement		
Department:	Fire Dept.	Contact:	Chief John Murphy

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ ]

Multiyear [X] Phase 2 of \_2\_

Description:

This is part of our goal of improving our efficiency & resiliency to our current Public safety Communications. Much of this was initiated with the new PSC & recent UHF radio upgrades. This will improve on the communications system & provide uninterrupted Public Safety communications for the next 25-30 years.

Benefits of Project and Impact if Not Completed:

Resiliency of communications is critical to the success & safety of our Public Safety personnel & our citizens. Even with the improvements to our current system we still are having communication issues that need to be resolved. The new antennas & microwave dishes installed will provide the resiliency we need for our entire system including Fire Station 1 & 4. This upgrade is the solution Bill Sheehan recommends.

Discuss Operating Budget Impact:

The improvements to the current radio system are critical to short & long term Public safety communications. This will likely come from the GF. We were succesful in recieving a recent AFG grant for \$160,000 to purchase UHF prttable radios that saved the Town funding of this equipment. Estimate the total cost at \$313,545. The cost for the 3 connection sites is \$47,950.80, \$35,397.98, \$35,397.98. The tower costs are \$126,200 & \$68,800. We are going to look at additional venders to see if we can get this price down.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$313,545	\$313,545				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$313,545</b>	<b>\$313,545</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$0	\$0	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**Quoted To:**

**Town of Scituate**  
Mark Thompson  
600 Chief Justice Cushing Highway  
Scituate, MA 01864  
United States

**Phone** (781) 545-1212  
**Fax**

**Prepared By:**

Mark Ayotte  
CEO  
Mark.Ayotte@ayacht.com  
978-558-0160

**Ship Via:** UPS Ground **Terms:** Due Upon Receipt

PRICING IS PER MASSACHUSETTS STATEWIDE CONTRACT ITT-50 OR FIR04 OR THE MASSACHUSETTS HIGER EDUCATION CONSORTIUM E05 CONTRACT THAT COMPLIES WITH CHAPTER 30B MASSACHUSETTS STATE PROCUREMENT REGULATIONS: Chapter 30B was enacted in 1990 and resulted from collaboration among the Office of the Inspector General, the Massachusetts Association of Public Purchasing Officials, the Massachusetts Association of School Business Officials, the City Solicitors and Town Counsel Association, and local officials to adapt the American Bar Association's Model Procurement Code to reflect specific Massachusetts practice and case law.

Description	Unit Price	Qty	Ext. Price
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**Budgetary Quote**

NOTE: AS WITH ALL POINT-TO-POINT LINKS, THE LINKS BELOW ARE DEPENDENT ON LINE OF SITE. EXTREME WEATHER CONDITIONS MAY HAVE AN EFFECT ON THESE LINKS AS WELL.

CUSTOMER WILL SUPPLY A SWITCH WITH 1GB PORTS WITHIN 50' OF POINT OF PENETRATION FOR BOTH BUILDINGS.  
CUSTOMER WILL HANDLE ANY AND ALL NECESSARY PERMISSIONS AND/OR PERMITTING FOR THIS PROJECT.

Central Ave Fire to Industrial Tower			
<input type="checkbox"/> Unspecified 18 GHz ODU (invalid TX frequency selection)		2	
<input type="checkbox"/> Unspecified Power Lead		2	
<input type="checkbox"/> Gigabit Surge Suppressor (56V)		2	
<input type="checkbox"/> PTP 650 AC Power Injector		2	
<input type="checkbox"/> PTP 820 Glands_x5_KIT		2	
<input type="checkbox"/> PTP 820 CAT5E Outdoor 100m drum		2	

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		4	
<input type="checkbox"/> PTP 820S Act.Key - Capacity 500M with ACM Enabled, per Tx Chan		2	
<input type="checkbox"/> PTP 820 GBE_Connector_kit		2	
<input type="checkbox"/> PTP 820 GROUND CABLE FOR IDU and ODU		2	
<input type="checkbox"/> PTP 820 1' ANT,SP,18GHz,RFU-C TYPE&Std UBR220 - Andrew		0	
<input type="checkbox"/> PTP 820 2' ANT,SP,18GHz,RFU-C TYPE&UBR220 - Radiowave		2	
<input type="checkbox"/> FCC M/W Freq Coordination Service		2	
<input type="checkbox"/> LABOR: Engineering, Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> LABOR: Support for Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> MONTHLY SERVICE PLAN: Silver Point to Point Wireless Support Plan: 8x5 Monitoring, Remote and On-Site Support; Unlimited Phone Support; Unlimited Remote Control Support; Unlimited On-Site Support; Equipment Availability Monitoring and Maintenance; Custom Wireless and RF Health Monitoring; Patch Management; Event Log Monitoring; Log File Maintenance; Security Administration; Online Asset Management; and Online Trouble Ticket Management. *Does not include hardware replacement under this plan. See hardware maintenance plans. Conditions must be safe for access to outdoor equipment. Lift rentals if required are not included. Remote support is primary remediation method. On-site support performed if required. Remote support M-F, 9AM-5PM (Federal Holidays not included). On-Site support M-F, 9AM-5PM. (Federal Holidays not included). On-Site support is subject to Travel time and may result in Next Business Day start.			
			<i>(First Monthly Payment) \$0.00 billed Monthly</i>
Lines Below are Misc Components First line is the total quote amount sent to client			
<input type="checkbox"/> Miscellaneous Components and Installation Materials		2	
<input type="checkbox"/> 3' Stand Off Mount Kit Includes hardware to mount to round members 1-1/2" to 10-3/4". Accommodates leg slopes of 40:1 (1.43°), 10:1 (5.7°) or vertical. Mount pivots for easy azimuth adjustment. 2-3/8" x 50" Vertical mast. Stiff arm and hardware included. Rated for 250 Lb Live Load.		2	
<input type="checkbox"/> 4" Boot Assembly Kits for Coax Cables - 3/8" Coax - 4 Holes		2	
<input type="checkbox"/> Category 6 Cable, Cable Type OSP Broadband, Color Black, Brand or Series BBDG6, Shielded Yes, No. of Pairs or Cond. 4 Pair, Jacket Material Sunlight and Weather Resistant Polyethylene, Length 1000 Ft, Put-Up Plywood Reel		1	

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<b>SubTotal</b>			<b>\$35,397.98</b>

Your investment in addition to the Grand Total: <i>\$6,600.00 Billed Monthly</i> <i>\$0.00 Billed Quarterly</i> <i>\$0.00 Billed Annually</i>	<b>Subtotal</b>	\$35,397.98
	<b>Tax</b>	\$0.00
	<b>Shipping</b>	\$0.00
	<b>Grand Total</b>	<b>\$35,397.98</b>

1. **Terms: Service 50% deposit due upon signed agreement and 50% due upon completion of work.  
Product 50% due upon signed agreement and 50% due upon delivery.**
2. **Prices are valid for 15 days from the quotation date.**
3. **Prices may include ground shipping charges to ATS from specific vendors.**
4. **Goods usually take 5 to 7 days to ship depending on availability.**
5. **Labor estimates are valid for known operational and environmental conditions at the installation site.  
ATS requires the cooperation and commitment of client resources to meet labor estimates.**



**Quoted To:**

**Town of Scituate**  
Mark Thompson  
600 Chief Justice Cushing Highway  
Scituate, MA 01864  
United States

**Phone** (781) 545-1212  
**Fax**

**Prepared By:**

Mark Ayotte  
CEO  
Mark.Ayotte@ayacht.com  
978-558-0160

**Ship Via:** UPS Ground      **Terms:** Due Upon Receipt

PRICING IS PER MASSACHUSETTS STATEWIDE CONTRACT ITT-50 OR FIR04 OR THE MASSACHUSETTS HIGER EDUCATION CONSORTIUM E05 CONTRACT THAT COMPLIES WITH CHAPTER 30B MASSACHUSETTS STATE PROCUREMENT REGULATIONS: Chapter 30B was enacted in 1990 and resulted from collaboration among the Office of the Inspector General, the Massachusetts Association of Public Purchasing Officials, the Massachusetts Association of School Business Officials, the City Solicitors and Town Counsel Association, and local officials to adapt the American Bar Association's Model Procurement Code to reflect specific Massachusetts practice and case law.

Description	Unit Price	Qty	Ext. Price
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**Budgetary Quote**

NOTE: AS WITH ALL POINT-TO-POINT LINKS, THE LINKS BELOW ARE DEPENDENT ON LINE OF SITE. EXTREME WEATHER CONDITIONS MAY HAVE AN EFFECT ON THESE LINKS AS WELL.

CUSTOMER WILL SUPPLY A SWITCH WITH 1GB PORTS WITHIN 50' OF POINT OF PENETRATION FOR BOTH BUILDINGS.  
CUSTOMER WILL HANDLE ANY AND ALL NECESSARY PERMISSIONS AND/OR PERMITTING FOR THIS PROJECT.

Fire Station to Industrial Tower

<input type="checkbox"/> Unspecified 18 GHz ODU (invalid TX frequency selection)		2	
<input type="checkbox"/> Unspecified Power Lead		2	
<input type="checkbox"/> Gigabit Surge Suppressor (56V)		2	
<input type="checkbox"/> PTP 650 AC Power Injector		2	
<input type="checkbox"/> PTP 820 Glands_x5_KIT		2	
<input type="checkbox"/> PTP 820 CAT5E Outdoor 100m drum		2	

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		4	
<input type="checkbox"/> PTP 820S Act.Key - Capacity 500M with ACM Enabled, per Tx Chan		2	
<input type="checkbox"/> PTP 820 GBE_Connector_kit		2	
<input type="checkbox"/> PTP 820 GROUND CABLE FOR IDU and ODU		2	
<input type="checkbox"/> PTP 820 1' ANT,SP,18GHZ,RFU-C TYPE&Std UBR220 - Andrew		0	
<input type="checkbox"/> PTP 820 2' ANT,SP,18GHZ,RFU-C TYPE&UBR220 - Radiowave		2	
<input type="checkbox"/> FCC M/W Freq Coordination Service		2	
<input type="checkbox"/> LABOR: Engineering, Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> LABOR: Support for Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> MONTHLY SERVICE PLAN: Silver Point to Point Wireless Support Plan: 8x5 Monitoring, Remote and On-Site Support; Unlimited Phone Support; Unlimited Remote Control Support; Unlimited On-Site Support; Equipment Availability Monitoring and Maintenance; Custom Wireless and RF Health Monitoring; Patch Management; Event Log Monitoring; Log File Maintenance; Security Administration; Online Asset Management; and Online Trouble Ticket Management. *Does not include hardware replacement under this plan. See hardware maintenance plans. Conditions must be safe for access to outdoor equipment. Lift rentals if required are not included. Remote support is primary remediation method. On-site support performed if required. Remote support M-F, 9AM-5PM (Federal Holidays not included). On-Site support M-F, 9AM-5PM. (Federal Holidays not included). On-Site support is subject to Travel time and may result in Next Business Day start.			
			<i>(First Monthly Payment) \$0.00 billed Monthly</i>
Lines Below are Misc Components First line is the total quote amount sent to client			
<input type="checkbox"/> Miscellaneous Components and Installation Materials		2	
<input type="checkbox"/> 3' Stand Off Mount Kit Includes hardware to mount to round members 1-1/2" to 10-3/4". Accommodates leg slopes of 40:1 (1.43°), 10:1 (5.7°) or vertical. Mount pivots for easy azimuth adjustment. 2-3/8" x 50" Vertical mast. Stiff arm and hardware included. Rated for 250 Lb Live Load.		2	
<input type="checkbox"/> 4" Boot Assembly Kits for Coax Cables - 3/8" Coax - 4 Holes		2	
<input type="checkbox"/> Category 6 Cable, Cable Type OSP Broadband, Color Black, Brand or Series BBDG6, Shielded Yes, No. of Pairs or Cond. 4 Pair, Jacket Material Sunlight and Weather Resistant Polyethylene, Length 1000 Ft, Put-Up Plywood Reel		1	

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<b>SubTotal</b>			<b>\$35,397.98</b>

<b>Subtotal</b>	<b>\$35,397.98</b>
<b>Tax</b>	<b>\$0.00</b>
<b>Shipping</b>	<b>\$0.00</b>
<b>Grand Total</b>	<b>\$35,397.98</b>

Your investment in addition to the Grand Total:  
*\$6,600.00 Billed Monthly*  
*\$0.00 Billed Quarterly*  
*\$0.00 Billed Annually*

1. **Terms:** Service 50% deposit due upon signed agreement and 50% due upon completion of work.  
 Product 50% due upon signed agreement and 50% due upon delivery.
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4. Goods usually take 5 to 7 days to ship depending on availability.
5. Labor estimates are valid for known operational and environmental conditions at the installation site.  
 ATS requires the cooperation and commitment of client resources to meet labor estimates.

**Quoted To:**

**Town of Scituate**  
Mark Thompson  
600 Chief Justice Cushing Highway  
Scituate, MA 01864  
United States

**Phone** (781) 545-1212  
**Fax**

**Prepared By:**

Mark Ayotte  
CEO  
Mark.Ayotte@ayacht.com  
978-558-0160

**Ship Via:** UPS Ground **Terms:** Due Upon Receipt

PRICING IS PER MASSACHUSETTS STATEWIDE CONTRACT ITT-50 OR FIR04 OR THE MASSACHUSETTS HIGER EDUCATION CONSORTIUM E05 CONTRACT THAT COMPLIES WITH CHAPTER 30B MASSACHUSETTS STATE PROCUREMENT REGULATIONS: Chapter 30B was enacted in 1990 and resulted from collaboration among the Office of the Inspector General, the Massachusetts Association of Public Purchasing Officials, the Massachusetts Association of School Business Officials, the City Solicitors and Town Counsel Association, and local officials to adapt the American Bar Association's Model Procurement Code to reflect specific Massachusetts practice and case law.

Description	Unit Price	Qty	Ext. Price
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**Budgetary Quote**

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CUSTOMER WILL HANDLE ANY AND ALL NECESSARY PERMISSIONS AND/OR PERMITTING FOR THIS PROJECT.

Industrial Tower to Police Tower

<input type="checkbox"/> Unspecified 18 GHz ODU (invalid TX frequency selection)		2	
<input type="checkbox"/> PTP 820 Glands_x5_KIT		2	
<input type="checkbox"/> PTP 820 CAT5E Outdoor 100m drum		1	
<input type="checkbox"/> PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		4	
<input type="checkbox"/> PTP 820 PoE Injector all outdoor, redundant DC input, +24VDC support		2	
<input type="checkbox"/> PTP 820C Act.Key - 2nd Core Activation		2	

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> PTP 820 Act.Key - GE port, per additional port		2	
<input type="checkbox"/> PTP 820 Act.Key - XPIC, per Tx Chan		4	
<input type="checkbox"/> PTP 820 SFP Optical 1000Base-LX,EXT TEMP		2	
<input type="checkbox"/> PTP 820 GBE_Connector_kit		2	
<input type="checkbox"/> PTP 820C Act.Key - Capacity 650M with ACM Enabled, per Tx Chan		4	
<input type="checkbox"/> PTP 820 GROUND CABLE FOR IDU and ODU		2	
<input type="checkbox"/> PTP 820 1' ANT,SP,18GHz,RFU-C TYPE&Std UBR220 - Andrew		2	
<input type="checkbox"/> PTP 820 3' ANT,SP,18GHz,RFU-C TYPE&UBR220 - Radiowave		0	
<input type="checkbox"/> PTP 820C OMT KIT 18GHz		2	
<input type="checkbox"/> PTP 820 RFU-C 18GHz OMT Interface-Andrew		2	
<input type="checkbox"/> PTP 820 RFU-C 18GHz OMT Interface-Radiowave		0	
<input type="checkbox"/> FCC M/W Freq Coordination Service		2	
<input type="checkbox"/> LABOR: Engineering, Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> LABOR: Support for Installation, System Set-up, Programming, Testing, Optimization & Maximization			
<input type="checkbox"/> MONTHLY SERVICE PLAN: Silver Point to Point Wireless Support Plan: 8x5 Monitoring, Remote and On-Site Support; Unlimited Phone Support; Unlimited Remote Control Support; Unlimited On-Site Support; Equipment Availability Monitoring and Maintenance; Custom Wireless and RF Health Monitoring; Patch Management; Event Log Monitoring; Log File Maintenance; Security Administration; Online Asset Management; and Online Trouble Ticket Management. *Does not include hardware replacement under this plan. See hardware maintenance plans. Conditions must be safe for access to outdoor equipment. Lift rentals if required are not included. Remote support is primary remediation method. On-site support performed if required. Remote support M-F, 9AM-5PM (Federal Holidays not included). On-Site support M-F, 9AM-5PM. (Federal Holidays not included). On-Site support is subject to Travel time and may result in Next Business Day start.			

(First Monthly Payment)  
\$0.00 billed Monthly

Continued On Next Page ...

Description	Unit Price	Qty	Ext Price
Lines Below are Misc Components First line is the total quote amount sent to client			
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<input type="checkbox"/> 3' Stand Off Mount Kit Includes hardware to mount to round members 1-1/2" to 10-3/4". Accommodates leg slopes of 40:1 (1.43°), 10:1 (5.7°) or vertical. Mount pivots for easy azimuth adjustment. 2-3/8" x 50" Vertical mast. Stiff arm and hardware included. Rated for 250 Lb Live Load.		2	
<input type="checkbox"/> 4" Boot Assembly Kits for Coax Cables - 3/8" Coax - 4 Holes		2	
<input type="checkbox"/> Category 6 Cable, Cable Type OSP Broadband, Color Black, Brand or Series BBDG6, Shielded Yes, No. of Pairs or Cond. 4 Pair, Jacket Material Sunlight and Weather Resistant Polyethylene, Length 1000 Ft, Put-Up Plywood Reel		1	
<b>SubTotal</b>			<b>\$47,950.80</b>

	<b>Subtotal</b>	\$47,950.80
Your investment in addition to the Grand Total:	<b>Tax</b>	\$0.00
\$6,600.00 Billed Monthly	<b>Shipping</b>	\$0.00
\$0.00 Billed Quarterly	<b>Grand Total</b>	<b>\$47,950.80</b>
\$0.00 Billed Annually		

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Product 50% due upon signed agreement and 50% due upon delivery.**
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ATS requires the cooperation and commitment of client resources to meet labor estimates.**



THE COMMUNICATION  
ANTENNA & TOWER SPECIALIST

# Budgetary Quote

## Northeast Towers, INC.

*The Communication Antenna and Tower Specialist*

199 Brickyard Rd. Farmington, CT 06032  
Phone 860-677-1999 Fax 860-677-1300  
p Glenn@northeasttowers.com

DATE: OCTOBER 24, 2017

EXPIRATION DATE JANUARY 31, 2018

TO Mark Ayotte  
978-621-2743  
Mayotte@ayacht.com

Remove and replace 120' tower

This is a budgetary quote only.  
This quote reflects prevailing labor rates.  
This quote reflects permitting.  
This quote reflects special inspections.  
This quote assumes tower to be a category 3 structure.

SALESPERSON	CLIENT	JOB NAME	QUOTE NUMBER
Patrick Glenn	Town of Scituate	120' tower replacement	PG-10242017-1

LINE	DESCRIPTION	MATERIAL	LABOR
1	Supply and install new foundation for 120' tower behind existing tower. Supply and install new TIA grounding system.	\$35,000.00	\$25,000.00
2	Supply and install new 120' tower. Supply crane to set tower.	\$28,000.00	\$22,000.00
3	Remove existing 120' tower. Leave existing foundation.	\$900.00	\$3,500.00
4	Supply and install new antennas and corresponding transmission lines.	\$5,500.00	\$6,300.00
		SUBTOTAL	\$126,200.00
		SALES TAX	N/A
		BUDGETARY TOTAL	\$126,200.00



THE COMMUNICATION  
ANTENNA & TOWER SPECIALIST

# Budgetary Quote

## Northeast Towers, INC.

*The Communication Antenna and Tower Specialist*

199 Brickyard Rd. Farmington, CT 06032  
Phone 860-677-1999 Fax 860-677-1300  
p Glenn@northeasttowers.com

DATE: OCTOBER 24, 2017

EXPIRATION DATE JANUARY 31, 2018

TO Mark Ayotte  
978-621-2743  
Mayotte@ayacht.com

Install new 40' tower

This is a budgetary quote only.  
This quote reflects prevailing labor rates.  
This quote reflects permitting.  
This quote reflects special inspections.  
This quote assumes tower to be a category 3 structure.

SALESPERSON	CLIENT	JOB NAME	QUOTE NUMBER
Patrick Glenn	Town of Scituate	New 40' Tower Install	PG-10242017-2

LINE	DESCRIPTION	MATERIAL	LABOR
1	Supply and install new foundation for new 40' tower. Supply and install new TIA grounding system.	\$17,000.00	\$13,000.00
2	Supply and install new 40' tower. Supply crane to set tower.	\$19,000.00	\$12,000.00
3	Supply and install new antennas and corresponding transmission lines.	\$4,500.00	\$3,300.00
		<b>SUBTOTAL</b>	\$71,800.00
		<b>SALES TAX</b>	N/A
		<b>BUDGETARY TOTAL</b>	\$68,800.00





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_10/31/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-159-01		
Project Title:	Re-locate SCTV studios		
Category:	Building Renovation		
Department:	SCTV	Contact:	Seth Pfeiffer

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

*Relocate SCTV studios and origination equipment from the high school to the old Gates School adjacent to the Recreation Department.*

**Benefits of Project and Impact if Not Completed:**

*Current studios are not readily accessible to the public due to school security concerns. The space allocated to the vable station is no longer adequate in size or configuration.*

**Discuss Operating Budget Impact:**

*No impact on operating budget as funding to be provided from PEG Access fund.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$405,000	\$405,000				
Equipment/Furnishings	\$0					
Contingency	\$45,000	\$45,000				
Other	\$0					
<b>TOTAL</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**

Check all that apply

- Tax Levy
- Debt
- Enterprise Retained Earnings
- Capital Stabilization
- Free Cash
- Revolving Fund - PEG Access
- CPA
- Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**

Check all that apply

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/27/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-175-1
Project Title:	Master Plan Update
Category:	Study
Department:	Planning/Community Development
Contact:	Brad Washburn

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

Multiyear        Phase \_\_\_ of \_\_\_

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

Master plans are living documents, and should be updated approximately every 10 years. The current master plan was adopted in 2004. Given the amount of time since its adoption, and the amount of development and change in the Town since 2004, the Planning Board is proposing to update the existing master plan. The Board is seeking funds to hire a planning consultant to assist the Board and the Planning Department with this plan update. Once a consultant is selected it is anticipated that this effort will take approximately 12-18 months to complete. The updated master plan would be a long-term guidance document that would be useful to the Town for approximately 10 years from the date of adoption.

**Benefits of Project and Impact if Not Completed:**

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

The master plan will serve as the long-term guidance document and shared vision for responsible growth and preservation within the Town. The master plan update process will help the Town understand and put into context a number of ideas and options by collecting data and gathering information through a rigorous public participation process. The master plan update will build on existing plans (e.g., Housing Production plan, Open Space plan, etc.) to shape our understanding for existing and future needs.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

The Master Plan will make recommendations within the scope of the 9 required plan elements including: Infrastructure, Transportation, Historic and Cultural Resources, Open Space and Recreation, Land Use, Housing and Implementation. The master plan will likely include recommendations for future capital expenditures. The benefit of this planning exercise will be to map these needs early and develop a timeline and comprehensive approach to address future needs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$100,000	\$100,000					<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## *Town of Scituate*

### *Master Plan Scope of Work*

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#### *Purpose*

A master plan is a long-term strategy providing comprehensive guidance and a shared vision for responsible growth and preservation within a community. The plan contains nine elements which address Natural Resources, Economic Development, Infrastructure, Transportation, Historic and Cultural Resources, Open Space and Recreation, Land Use, Housing and Implementation. The master planning process helps a community understand and put into context a number of ideas and options by collecting data and gathering information through a rigorous public process. The resulting plan is a practical reference and guide which charts the course of the community into the future.

In 2004, the Town of Scituate adopted its current master plan. Given the amount of time since its adoption, and the amount of change in the Town, the Planning Board is proposing to update the current master plan. The Board is seeking funds to hire a planning consultant to assist the Board and the Planning Department with this plan update. Once a consultant is selected it is anticipated that this effort will take approximately 12-18 months to complete.

#### *Scope of Work*

##### **Task 1: Understanding the Communities Needs**

Collect and evaluate existing information and gather additional information as needed to form a comprehensive understanding of the physical nature of the community. While the Town has made great strides with various plans, a master plan will be the roadmap to achieve a town-wide prioritized plan. The Town can build on its successes by utilizing current plans to shape our understanding for existing and future needs.

##### **Task 2: Design and Public Process**

Developing a public process strategy that will allow for meaningful input throughout the master planning process will be critical to ensure a successful outcome. The public process is a requirement in the development of the visions and goals, development of alternatives and activities, and identifying recommended actions. The following departments and commissions will require briefing, active participation and involvement in the process:

- Board of Selectmen
- Town Administrator
- Planning and Development
- Conservation and Natural Resources
- Department of Public Works

Coastal Resources  
Engineering  
Board of Health  
Harbormaster  
Recreation  
Emergency Management  
Council on Aging  
Assessor

Since the public process for the plan is so crucial, we are planning to include several public meetings during the development of the plan. The public process should also be designed to include a robust social media and web based comment method for sharing information, public input and information collecting. It is important that all relevant documents are available to the public throughout the development of the Plan.

**Product:** A memo describing a plan and schedule for the public process, including an explanation of the principles that underlie the selected process.

**Task III: Inventory and Assessment:**

Using existing plans, the consultant will first focus on information gathering. This will include a thorough investigation of current conditions impacting the community. These analyses will paint a clear picture of overall strengths and challenges within the community. As with the existing conditions analyses outlined, the consultant will utilize and take advantage of all existing pertinent information and resources wherever possible so as not to duplicate efforts.

**Task IV: Goals & Vision**

The consultant will prepare a vision and a set of goals for community development and preservation based on the previous tasks. These will be used as guidance for the rest of the process and serve as a key touchstone for developing and evaluating goals, objectives and actions moving forward. The consulting team will compile a collective vision and review the resulting vision/issues with the project team for verification.

**Product:** A document suitable for standalone distribution to the public that summarizes the visions and goals.

**Task V: Plan Development**

With a clear vision and potential development and protection opportunities identified and validated, the consulting team will create draft versions of the plan that address the required plan elements: Natural Resources, Economic Development, Infrastructure, Transportation, Historic and Cultural Resources, Open Space and Recreation, Land Use, Housing and Implementation.

**Product:** A draft of the Master Plan that will be vetted at public meetings and with all relevant boards and committees.

**Task VI: Final Plan**

The draft plan will be further refined and preferred, actionable strategies will be outlined for implementation. The plan can include recommendations on future development, infrastructure needs, conservation opportunities, needed regulatory changes, etc., as well as timeline for milestones and assignment of responsible parties. This is based on final feedback from the project team, final workshop, and public input In order to make any last adjustments and plan edits in preparation to present the master plan for potential adoption.

**Product:** The final written and illustrated plan will include refined/edited versions of deliverables from previous tasks.

**Estimated Cost: \$100,000**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042901		
Project Title:	Truck 2-3, One-Ton Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2005 Chevy 3500 truck with a new One-Ton Truck.

The expected useful life of a One-Ton Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 14 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

**Benefits of Project and Impact if Not Completed:**

The existing 2-3 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a plow route and is used for tree removals. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$70,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$70,000		\$70,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$70,000	\$0	\$70,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$70,000	\$0	\$70,000	\$0	\$0	\$0

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



1. Truck: Public Grounds 2-3
2. Year : 2002
3. Mileage : over 100,000 Miles
4. Used for: Recycling, loam, mulch, beach trash barrels, plowing in winter months
5. Problems to truck : Floor rot, body rot, dump body rot and running poorly



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: Budget  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F5H	Ford F450 Chassis			\$ 35,000.00
	Four wheel drive			included
	145" Wheelbase (WB) 60" Cab to axle (CA)			included
	Color :Blue Jeans Metallic			included
	6.8L V10 Gasoline Engine			included
	Estimated model increase			3,000.00
	Air conditioning			included
	Vinyl seat & floors			included
	Factory upfitter switches (6) Overhead console			included
	XL Trimline			included
512	Spare tire and jack			339.50
62R	PTO Transmission			271.60
90L	Power Equipment group			887.55
18B	Factory Cab steps			310.40
THB	All Traction Tires rear All season front			184.30
473	Snow Plow prep package			82.45
531	Trailer tow package			43.65
	3-4 yd. dump body Black			8,895.00
	PTO Central Hydraulics			4,395.00
	Reinforced Plate Mounted Receiver hitch			495.00
	Trailer plug			175.00
	Poly Fenders			950.00
	Whelen DOT Light system (-beacon) Amber			1,325.00
	Whelen Mini Liberty Lightbar Amber			950.00
	LED Worklights on switch and reverse			335.00
	Underbody Tool box			695.00
	Back up alarm			85.00
	Fisher 9' Snow Plow			7,195.00
	Steel Sno Foil			445.00
	VentVisor Window Vents			65.00
	Weathertech mats			125.00
	Option: Diesel Engine \$8618			
			TAX:	
<b>TOTAL:</b>				<b>\$66,249.45</b>





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit: \_\_\_\_\_

Project Number:	20190422501		
Project Title:	Truck 1-3, Medium Duty Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission [ ]

                         Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2005 Chevy 3500 truck with a new Medium Duty Truck.

The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 14 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

**Benefits of Project and Impact if Not Completed:**

The existing 1-3 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a plow and salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$70,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input checked="" type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$0						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$70,000	\$70,000						
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



1. Truck: Highway 1-3
2. Year : 2005
3. Mileage : 119,840
4. Used for: Moving material, sand, loam ,stone, asphalt  
Pulling compressor and trailers and plowing in winter months
5. Problems to truck : Frame rot, body rot, and running poorly



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: [gmason@scituatema.gov](mailto:gmason@scituatema.gov)

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: Budget  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
<b>F5H</b>	Ford F450 Chassis			\$ 35,000.00
	Four wheel drive			included
	145" Wheelbase (WB) 60" Cab to axle (CA)			included
	Color :Blue Jeans Metallic			included
	6.8L V10 Gasoline Engine			included
	Estimated model increase			3,000.00
	Air conditioning			included
	Vinyl seat & floors			included
	Factory upfitter switches (6) Overhead console			included
	XL Trimline			included
512	Spare tire and jack			339.50
62R	PTO Transmission			271.60
90L	Power Equipment group			887.55
18B	Factory Cab steps			310.40
THB	All Traction Tires rear All season front			184.30
473	Snow Plow prep package			82.45
531	Trailer tow package			43.65
	3-4 yd. dump body Black			8,895.00
	PTO Central Hydraulics			4,395.00
	Reinforced Plate Mounted Receiver hitch			495.00
	Trailer plug			175.00
	Poly Fenders			950.00
	Whelen DOT Light system (-beacon) Amber			1,325.00
	Whelen Mini Liberty Lightbar Amber			950.00
	LED Worklights on switch and reverse			335.00
	Underbody Tool box			695.00
	Back up alarm			85.00
	Fisher 9' Snow Plow			7,195.00
	Steel Sno Foil			445.00
	VentVisor Window Vents			65.00
	Weathertech mats			125.00
	<b>Option: Diesel Engine \$8618</b>			
			TAX:	
<b>TOTAL:</b>				<b>\$66,249.45</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11-10-16

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-300-1		
Project Title:	Technology		
Category:	Equipment		
Department:	School	Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:      NEW    [ ]      Recurring [ ]      Resubmission [X ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

The Scituate Public Schools employs a bring your own device approach to technology use in the classrooms opposed to providing every child with a device. This approach is less costly and more sustainable in the long run. However, we still need to supplement this approach by purchasing Chromebooks and other devices for student use. We also need to replace Chromebooks and other devices as they become outdated. By 2019, the state expects all students to take MCAS via a computer as opposed to pencil and paper. We need to be fully prepared for this transition. These funds would also go towards supporting devices to aid instruction, such as projectors, document cameras, etc. It is essential that the Scituate Public Schools continue to ensure a 21st century learning environment for its teachers and students. This requires a regular, ongoing commitment to the deployment of instructional technology.

**Benefits of Project and Impact if Not Completed:**

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$400,000		\$100,000	\$100,000	\$100,000	\$100,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042902		
Project Title:	Truck 2-7, Medium Duty Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2001 Ford Dump truck with a new One-Ton Truck.

The expected useful life of a One-Ton Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 17 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

**Benefits of Project and Impact if Not Completed:**

The existing 2-7 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a large plow route and is used for collecting wood chips from tree work. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$70,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$70,000	\$70,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

PG.

1-TON



1. Truck: Public Grounds 2-7B
2. Year : 2002 Ford
3. Mileage : 150,111
4. Used for: Moving wood chipper transporting wood chips, moving dirt, stone, logs, moving mowers picking roadside & plowing in winter months
5. Problems to truck : Floor rot, body rot, dump body rot



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: Budget  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F5H	Ford F450 Chassis			\$ 35,000.00
	Four wheel drive			included
	145" Wheelbase (WB) 60" Cab to axle (CA)			included
	Color :Blue Jeans Metallic			included
	6.8L V10 Gasoline Engine			included
	Estimated model increase			3,000.00
	Air conditioning			included
	Vinyl seat & floors			included
	Factory upfitter switches (6) Overhead console			included
	XL Trimline			included
512	Spare tire and jack			339.50
62R	PTO Transmission			271.60
90L	Power Equipment group			887.55
18B	Factory Cab steps			310.40
THB	All Traction Tires rear All season front			184.30
473	Snow Plow prep package			82.45
531	Trailer tow package			43.65
	3-4 yd. dump body Black			8,895.00
	PTO Central Hydraulics			4,395.00
	Reinforced Plate Mounted Receiver hitch			495.00
	Trailer plug			175.00
	Poly Fenders			950.00
	Whelen DOT Light system (-beacon) Amber			1,325.00
	Whelen Mini Liberty Lightbar Amber			950.00
	LED Worklights on switch and reverse			335.00
	Underbody Tool box			695.00
	Back up alarm			85.00
	Fisher 9' Snow Plow			7,195.00
	Steel Sno Foil			445.00
	VentVisor Window Vents			65.00
	Weathertech mats			125.00
	Option: Diesel Engine \$8618			
			TAX:	
<b>TOTAL:</b>				<b>\$66,249.45</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042202		
Project Title:	Truck 1-1, Pick up Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2008 truck with a new pick up truck.

The expected useful life of a pick up Truck varies depending on the activities that the machine is used for. The average lifespan for an average truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 9 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used to move tools and personnel around and is used during all storms and events.

**Benefits of Project and Impact if Not Completed:**

The existing 1-1 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck is used by the Highway Department Supervisor and must be replaced because it is used for moderate to heavy travel of roads, to inspect jobs, to check on snow plowing. Body of truck is showing signs of rust damage.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$40,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$40,000		\$40,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





1. Truck: Highway 1-1
2. Year : 2008
3. Mileage : 104,524
4. Used for: Checking out scheduled work sites, checking over wash storm areas, moving tools, picking roadside and moving employees around
5. Problems to truck : Frame rot, body rot, and running poorly



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: [gmason@scituatema.gov](mailto:gmason@scituatema.gov)

Date: October 23, 2017  
**Valid for:** \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: MAPC / GBPC  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F2B	Ford F250 Pick - Up			\$25,700.00
	4X4			Include.
	Color : Blue Jeans (N1)			Include.
	Estimated model increase			1,700.00
	6.2L V8 Gasoline Engine; with Automatic Transmission			Include.
	Air Conditioning			Include.
	Class III 2" Hitch Receiver with Factory 4 & 7 way plugs			Include.
	AM/FM radio with digital clock			Include.
X3E	Limited Slip			378.30
473	Snow Plow Prep			82.45
TBM	All Terrain Tires - SRW			160.05
90L	Power Equipment Group			887.55
18B	Factory Running Boards			310.40
66S	Factory Upfitter Switches			160.05
	Whelen LED Hideaways (2) front (2) rear Amber			455.00
	Back up Alarm			85.00
	Rhino Spray In			545.00
	8' Fisher plow			5,795.00
	Rubber sno Foil			\$335.00
	Steel cutting edge			\$245.00
	<b>Option: Diesel engine \$8725</b>			
			TAX:	
			<b>TOTAL:</b>	<b>\$36,838.80</b>

### TERMS AND CONDITIONS

\*This quote is valid for 60 days from the date of quote. Any purchase orders or approved quotes received outside of the 60 day quote period will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

M.G.L c. 30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L c 30B sec 1c and M.G.L c.7 sec 22B. The government body is responsible to determine the applicability of M.G.L. c30B to off contract items, but not limited to off contract items that have already been properly procured under M.G.L. c30B, sec 1c and M.G.L. c7 sec 22A (purchases from a vendor on



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-300---
Project Title:	Window Replacement and Long Term Viability Study for Hatherly & Cushing
Category:	Building Renovation
Department:	School- Hatherly/Cushing
Contact:	Paul Donlan

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

To complete a long term viability study of Hatherly & Cushing Schools and obtain a replacement cost for windows.

**Benefits of Project and Impact if Not Completed:**

To determine all the capital needs of the two schools.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$65,000	\$65,000				
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/24/2017

Date of Last Edit: 10/24/17

Project Number:	2020-210-01		
Project Title:	Police Department ALPR & Parking Management		
Category:	Equipment		
Department:	Police	Contact:	Deputy Chief Mark Thompson

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

The Scituate Police Department wishes to purchase (2) mobile automated license plate recognition (ALPR) systems and coordinated, centralized parking management system. The ALPR units would be mounted on a Scituate Police cruiser with primary use by the department's traffic enforcement officer, as well as a second unit mounted to a cruiser with the primary purpose of performing parking enforcement, with a specific focus on beach and commercial parking areas.

The equipment costs for this project are \$45,000.. The project can be implemented immediately upon approval and availability of funds. The anticipated useful life of this equipment is 7-10 years with consideration given to wear/tear and technological advancements.

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

Automatic License Plate Readers view and interpret plate numbers during patrol shifts and compare them to law enforcement databases of vehicles suspected of being associated with illegal activity. If a suspect license plate number is identified by the system, audible and visual alarms alert the officer within milliseconds for immediate interdiction.

With the parking management system, the town will have the ability to maintain permitted vehicle information within a database for automatic comparison by the ALPR system. Permitted vehicles will no longer require a beach sticker (for example) to be displayed on their vehicles. Officers will have the ability to simply drive through a parking lot and be alerted to vehicles which are not properly permitted for that area. The system provides the officer with the ability to then electronically generate a citation.

Additionally, the town would have the ability to electronically register short term parking permits within the system - providing an additional and significantly streamlined mechanism for increasing revenue.

Implementation of this solution will improve efficiencies in terms of parking management throughout the community, reducing human errors, streamlining the violation process end-to-end, and maximizing officer enforcement efforts by covering a great geographical area in a short period of time.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

Purchase of the units include a year 1 software and hardware warranty. Annual full-coverage warranty for subsequent years is \$3,440 - or support may be covered on a time and materials basis.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$45,000	\$0	\$45,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant/CPA Category	Five-Year Total	Estimated Project Costs by Fiscal Year					CPA Purpose(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
<b>Net of CPA and Grants</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**Selex ES, Inc**

**ELSAG ALPR Automatic License Plate Recognition Law Enforcement Systems**

**PROUDLY MADE IN THE USA**

205 Creek Ridge Road  
Greensboro, NC 27406 USA  
Attn: Ben Miller  
Tel: +1 845 803 9091  
[ben.miller@elsag.com](mailto:ben.miller@elsag.com)



DATE

June 30, 2017
<b>** QUOTATION **</b>

**This quote is in conjunction with GSA ( U.S. General Services Administration )  
GSA Contract Schedule 84 Contract #GS07F0004Y**

Quotation valid until: September 30, 2017

Prepared by: Ben Miller

**Quoted to:**  
**Scituate Police Department**  
**Scituate, MA**  
**Attn: Officer Taylor Billings**

Projected Arrival Date: TBD

**Indicative Quote for :**  
**Deployment of Elsag LPR License Plate Recognition Technology System**

Model #	Description		List Price	Cost after GSA contract discount	Units	Amount
<b>MPH-900x3 AD4 M6 model 140013</b>	Mobile Plate Hunter with 3 Camera enclosures - Includes ALPR Data Processor Box, Cameras (3 color and 3 black/white cameras and infrared in 3 enclosures), mounting hardware, cables and related software. Everything needed to run ALPR system is included. New M6 model with high resolution (1280 x 1024) cameras.		\$25,876.00	\$16,820.00	2	<b>\$33,640.00</b>
<b>Car System LPR Software</b>	Software licence and operating system for camera and data management and functionality of the OCR Optical Character Recognition technology included with every purchase of a camera system ( MPH-900 or FPH-900 )			Included	2	<b>FREE</b>
MPH-900-EOC Enterprise Operations Center License <b>410322-5.X</b>	<b>Enterprise Operations Center (EOC) License</b> is a database software package that can coordinate multiple fixed and mobile units in the centralized server at your Headquarters or Command Center. Collects, analyzes and manages millions of data records automatically, dramatically reducing human error and costs. Software license priced per vehicle or fixed camera in network or coordinated IP address.		\$1,962.00	\$1,275.00	2	<b>\$2,550.00</b>
EOC Configuration Fee ( <b>210022</b> )	One-time, initial fee to configure customers server with Elsag EOC software (server cost additional).		\$1,950.00	\$1,250.00	1	<b>\$1,250.00</b>
Parking Software ( 410000 )	The Elsag software interface runs ALPR camera captures through a ticketing system to identify time enforcement and permit violations, issuing tickets when there's a violation.		\$2,000.00	\$995.00	2	<b>\$1,990.00</b>
<b>Phone Support</b>	24 Hour Telephone Support by qualified MPH-900 technicians					<b>FREE</b>
<b>TRAINING CENTER MEMBERSHIP</b>	Unlimited access to ELSAG training classes held at Company Facilities.					<b>FREE</b>
					<b>TOTAL</b>	<b>\$39,430.00</b>

**Optional Installation Service offered for products in the above quote**

<b>INST SUP 210003-F</b>	Day rate for ELSAG installation technician to install hardware and Car System software on-site at Police Department. Total cost may vary due to model of vehicle, type of installation, necessity to drill, etc.		1923.08	\$1,250	2	<b>\$2,500.00</b>
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**Optional Extended Warranty Service Plan offered for products in the above quote**

Warranty for each system of MPH-900		Software Only Warranty	Full Hardware Warranty		
Year 1	<b>FREE ( Included in cost of system )</b>				FREE
Year 2					
Item520001 M2	Warranty cost per year	\$995	\$1,720	Units	\$3,440.00
Year 3					
Item520001 M2	Warranty cost per year	\$995	\$1,720	Units	\$3,440.00

**Hardware Service Plan Includes:**

- Repair, Parts & Labor ( not included in Software Only Warranty )
- 24/7 Technical Support
- On-Line Diagnostics
- Software Updates

3 year hardware warranty plan : \$6,880.00  
3 year software only warranty plan : \$3,980.00

Pricing in US\$, FOB Greensboro, NC 27406 USA

Ben Miller  
Director Operations New England  
Elsag LPR

Payment made to :  
Selex ES Inc.  
Elsag North America  
205-H Creek Ridge Road  
Greensboro, NC 27406 USA  
Tel: (1) 336 379 7135 Fax: (1) 336 379 7164

Via : Bank of America, Greensboro, NC 27406  
ABA routing number : 053000196  
Swift : BOFAUS3N  
Elsag Account number : 237013182885

ELSAG  
PARKINGENFORCER™

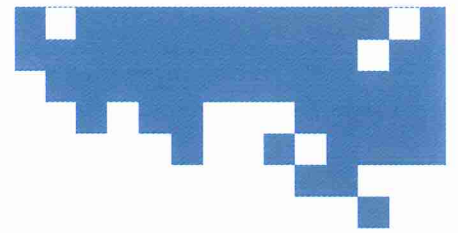
## SAVE PARKING MANAGEMENT TIME AND RESOURCES WITH PARKINGENFORCER™ ALPR SOFTWARE

GREATLY REDUCE THE MANPOWER  
AND TIME REQUIRED TO MONITOR AND  
ENFORCE PARKING, AND EVEN ELIMINATE

**PARKING**enforcer

THE NEED FOR PHYSICAL PERMITS. ELSAG'S NEW PARKINGENFORCER™ SOFTWARE IS AN ALPR SOLUTION THAT COMPARES ALPR LICENSE PLATE READS, CAPTURED IN A RESTRICTED AREA, WITH A WHITE LIST OF AUTHORIZED VEHICLES. THE SYSTEM WILL AUDIBLY ALARM IF A PLATE HAS BEEN READ BUT IS NOT INCLUDED ON THE WHITE LIST. ON THEIR IN-CAR COMPUTER, OFFICERS SEE A PHOTO OF THE UNAUTHORIZED VEHICLE'S LICENSE PLATE, WHICH ALSO SHOWS ENOUGH OF THE VEHICLE TO EASILY IDENTIFY IT IMMEDIATELY. PARKINGENFORCER™ ALSO AIDS THE ENFORCEMENT OF TIMED AND PERMITTED PARKING AREAS, AND CAN EVEN GENERATE TICKETS AUTOMATICALLY. THE PARKINGENFORCER™ SOFTWARE ONLY REQUIRES ONE MOBILE ALPR VEHICLE BUT CAN BE SCALED TO INCLUDE MULTIPLE UNITS, PLUS CENTRAL DATA MANAGEMENT.

# PARKINGENFORCER™ IS THE MOST EFFICIENT WAY TO MANAGE RESTRICTED PARKING



## TIMED PARKING ENFORCEMENT

Using date/time stamps and GPS coordinates automatically collected by mobile ALPR systems, an ALPR patrol car can sweep a geographical area, which has been pre-designated in the ParkingEnforcer™ software as a restricted area with a specific time limit. If subsequent patrol sweeps by any ALPR vehicle find the same plate number in the same GPS location (parking spot) for longer than the authorized span of parking time, the system will alarm.

## PERMIT ENFORCEMENT

For areas where parking permits are required, all license plate numbers of permit holders are downloaded to the ParkingEnforcer™ software. The ALPR system will alarm if it reads a plate number not on the list. The software can support multiple lists and zones.



## TICKETING AND TICKET MANAGEMENT

Once a patrol officer validates an alarm in the ParkingEnforcer™ software, the interface produces a partially populated ticket form to be completed. The ticket can be printed immediately on a mobile printer and issued. Once created, the ticket resides in the ParkingEnforcer's robust ticket management system, where it can be accessed, processed and even paid.

ParkingEnforcer's software ticket management system is fully integrated with our SpeedEnforcer™ system, which identifies speeding vehicles between two fixed points, such as the entrance and exit of a construction zone.



## ALPR PARKING SOFTWARE™ TRACK PARKERS AND TAKE ACTION

Whether your parking operation is across an entire municipality or you have an independent parking operation with a handful of lots, the daily management and enforcement requires manpower and time to survey streets, lots and garages. ELSAG's ALPR Parking Software™ will add a force multiplier within your operation.

**ELSAG's ALPR Parking Software is the most effective and efficient means of parking enforcement.**

Designed with modules for time and permitting applications, the software helps to significantly reduce the time and resources you currently spend on parking management.

### ★ ALPR PARKING SOFTWARE: FEATURES ★

- "Electronic chalking" marks a car when someone parks in a timed zone. Two ALPR reads at the same location creates an alert for parking enforcement to issue a ticket.
- The software interface runs ALPR camera captures through a ticketing system to identify time enforcement and permit violations, issuing tickets when there's a violation.
- Uses Automatic License Plate Recognition cameras, GPS, time/date stamp and proprietary back office server software to identify vehicles which have violated parking regulations within a specific area.
- Ability to integrate and correlate data from multiple enforcement vehicle.
- Non-parking related vehicles can passively send data to a parking enforcement officer.
- ParkingEnforcer software can be used with existing ELSAG Mobile Plate Hunter ALPR systems.
- Administrative control through central dispatch and monitoring.
- Dispatch capabilities to prioritize enforcement agents' activities and resources on high volume areas.
- Zone prioritization based on geography and agents in the field.
- Ticket Agent View is independent of Car View allowing patrol vehicle to keep moving while enforcement agents on the ground issues violations.
- Capable of integration with existing ticket management processing applications or available with ELSAG's end to end ticket management and collection solution.
- Aids in vehicle turnover within a business district.

### ON-THE-SPOT DATA DELIVERY

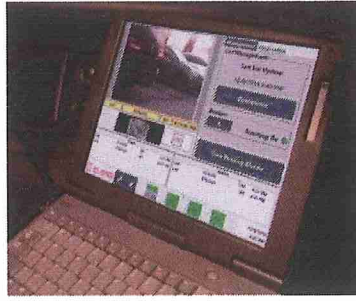
Our fixed and mobile ALPR systems are





designed to be scalable and capable of capturing millions of records based on your internal server capabilities. Data is instantly available for analysis, so operators know if it's a routine traffic infraction or something more serious.

Our ALPR solutions ensure the information you collect is accurate, won't infringe on an individual's right to privacy and that the data is retained in accordance with your policies.



### ALPR PARKING SOFTWARE: BENEFITS



- **Reduce Parking Lot Patrol Resources**

Because ALPR cameras can survey a parking lot quickly, you reduce the manpower and time required to manually patrol the area for time zone violations and proper tags or permits.



- **Eliminate Physical Parking Permits And Tags**

Our ALPR Parking Software identifies permits via camera captures of license plates and running the data through vehicle logs for a specific area.

### PRIVACY PROTECTION GUARANTEE

At ELSAG, we are fully committed to operating within regulations established by state and local jurisdictions on an individual's right to privacy.

We do not gather data privately, sell access to it or retain it for longer than allowed. We research who we're selling our systems to, ensuring our customers have a legitimate use for the data. There is no way to shade the information with personal opinion because it's purely agnostic data.



## DISCOVER HOW SIMPLE IT IS TO IMPLEMENT AND MAINTAIN YOUR ALPR SYSTEM

**CONTACT AN ALPR TECHNOLOGY SPECIALIST**

(<https://cta-service-cms2.hubspot.com/ctas/v2/public>)





1. Truck: Public Grounds 2-4
2. Year : 2005 Chev
3. Mileage : 93,140
4. Used for: Moving material loam, dirt, stone, wood and wood chips, moving mowers around, picking r, plowing & sanding in winter months
5. Problems to truck : Floor rot, body rot, dump body rot



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: Budget  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F5H	Ford F450 Chassis			\$ 35,000.00
	Four wheel drive			included
	145" Wheelbase (WB) 60" Cab to axle (CA)			included
	Color :Blue Jeans Metallic			included
	6.8L V10 Gasoline Engine			included
	Estimated model increase			3,000.00
	Air conditioning			included
	Vinyl seat & floors			included
	Factory upfitter switches (6) Overhead console			included
	XL Trimline			included
512	Spare tire and jack			339.50
62R	PTO Transmission			271.60
90L	Power Equipment group			887.55
18B	Factory Cab steps			310.40
THB	All Traction Tires rear All season front			184.30
473	Snow Plow prep package			82.45
531	Trailer tow package			43.65
	3-4 yd. dump body Black			8,895.00
	PTO Central Hydraulics			4,395.00
	Reinforced Plate Mounted Receiver hitch			495.00
	Trailer plug			175.00
	Poly Fenders			950.00
	Whelen DOT Light system (-beacon) Amber			1,325.00
	Whelen Mini Liberty Lightbar Amber			950.00
	LED Worklights on switch and reverse			335.00
	Underbody Tool box			695.00
	Back up alarm			85.00
	Fisher 9' Snow Plow			7,195.00
	Steel Sno Foil			445.00
	VentVisor Window Vents			65.00
	Weathertech mats			125.00
	<b>Option: Diesel Engine \$8618</b>			
			TAX:	
<b>TOTAL:</b>				<b>\$66,249.45</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2019042904		
Project Title:	Truck Replacement 2-1		
Category:	Public Grounds	Contact:	Mike Breen

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	[ X ]	Recurring	[ ]	Resubmission	[ ]
	Multiyear	[ ]	Phase	___ of ___		

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

Replace Truck 2-1 3/4 ton  
Timeline July 1, 2017  
Location 68 Capt Peirce Road

**Benefits of Project and Impact if Not Completed:**

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

Truck is used for transporting light equipment on trailer (mowers, paint marking machine) Also [plowing in winter months benefits would be using less contractors to plow.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$45,000		\$45,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
							<input type="checkbox"/> CPA
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
							<input type="checkbox"/> Recreation
							<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing
Post-Project Annual							
Post-Project One-time	\$0						



1. Truck: Public Grounds 2-1
2. Year : 2005 Chev
3. Mileage : 230,000
4. Used for: Moving trailers transporting watering tank in s summer months, transporting employees around
5. Problems to truck : Floor rot, body rot, dump body rot



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: MAPC / GBPC  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F2B	Ford F250 Pick - Up			\$25,700.00
	4X4			Include.
	Color : Blue Jeans (N1)			Include.
	Estimated model increase			1,700.00
	6.2L V8 Gasoline Engine; with Automatic Transmission			Include.
	Air Conditioning			Include.
	Class III 2" Hitch Receiver with Factory 4 & 7 way plugs			Include.
	AM/FM radio with digital clock			Include.
X3E	Limited Slip			378.30
473	Snow Plow Prep			82.45
TBM	All Terrain Tires - SRW			160.05
90L	Power Equipment Group			887.55
18B	Factory Running Boards			310.40
66S	Factory Upfitter Switches			160.05
	Whelen LED Hideaways (2) front (2) rear Amber			455.00
	Back up Alarm			85.00
	Rhino Spray In			545.00
	8' Fisher plow			5,795.00
	Rubber sno Foil			\$335.00
	Steel cutting edge			\$245.00
	Option: Diesel engine \$8725			
			TAX:	
			<b>TOTAL:</b>	<b>\$36,838.80</b>

### TERMS AND CONDITIONS

\*This quote is valid for 60 days from the date of quote. Any purchase orders or approved quotes received outside of the 60 day quote period will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

M.G.L c. 30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L c 30B sec 1c and M.G.L c.7 sec 22B. The government body is responsible to determine the applicability of M.G.L. c30B to off contract items, but not limited to off contract items that have already been properly procured under M.G.L. c30B, sec 1c and M.G.L. c7 sec 22A (purchases from a vendor on







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-300---
Project Title:	Expansion Tanks
Category:	Building/Equipment
Department: School - High School	Contact: Paul Donlan

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Replace bladders to expansion tanks for heating systems.

**Benefits of Project and Impact if Not Completed:**

Start of boilers we are now hooking up a hose and drain them.

**Discuss Operating Budget Impact:**

We have repaired in the past but now the bladders are unrepairable without removing the tanks. We would save on service calls

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$32,000	\$32,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				



**Capital Improvement Program: FY2018 - FY2022**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2018-300-02		
Project Title:	High School Floors		
Category:			
Department:	Schools	Contact:	John McCarthy / Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

This project would install a new floor in the high school cafeteria, science wing, and resurface stair treads. The cafeteria floor is original to the 1966 addition and is now fifty years old. The floor is asbestos tile, worn, and in need of replacement. The cafeteria will be used as overflow space for the new performing arts center and the replacement floor will abutt up to the new lobby floor. The science wing floor was installed in the 1999 renovation and has buckled in spots. The floor installed will match the new arts wing floor. This replacement will be in the corridor only. The stair treads are worn and becoming a safety issue. The estimated cost of each part of this project is as follows;

- Cafeteria Floor - \$70,000
- Stair Treads - \$60,000
- Science Wing - \$ 20,000

**Project Number:**

**Project Title: High School Floors and**

**Benefits of Project and Impact if Not Completed:**

The project will greatly benefit the look and functionality of the cafeteria, as well as encapsulate the current asbestos floor. It will enhance the safety of the stairwells that encounter significant traffic during the school day. It will also prevent further damage and deterioration of the science wing floor by correcting the subfloor defect. If not completed, the cafeteria floor will continue to age and deteriorate, the stairs will become more hazardous, and the science wing floor will continue to buckle.

**Discuss Operating Budget Impact:**

The impact to the operating budget will be positive as the replacement floor will be linoleum and will require less annual maintenance.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$150,000	\$150,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$7,500	\$7,500					<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$157,500</b>	<b>\$157,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$157,500</b>	<b>\$157,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11-10-16

Date of Last Edit: \_\_\_\_\_

Project Number:	2018-300-3		
Project Title:	Carpeting at High School		
Category:	Equipment		
Department:	School Department	Contact:	Paul Donlan

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: NEW  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Carpets are beyond their useful life and in need of replacement.

Benefits of Project and Impact if Not Completed:

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$50,000	\$50,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



## Copper Reduction Pilot Test Plan

**To:** William Branton, Town of Scituate Wastewater Treatment Plant  
Kevin Cafferty, Town of Scituate Dept. Public Works

**FROM:** Ian Catlow, P.E.  
Austin Weidner, EIT

**DATE:** August 18, 2017

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The purpose of this technical memorandum is to detail a plan for a full-scale pilot test at the Town of Scituate's wastewater treatment plant, with the goal of reducing the effluent total copper concentration to below the permitted limit of 4.0 µg/L. The following pilot plan provides details about the proposed dosing locations, recommended sampling schedule, required equipment and safety concerns associated with dosing the polymer, and a summary of the anticipated steps to optimize the process for efficient operations.

### 1 Background

As per the facility's NPDES permit (No. MA0102695), the Town of Scituate's Wastewater Treatment Plant (WWTP) must achieve a monthly average effluent copper concentration of 4.0 µg/L and a maximum daily limit of 6.0 µg/L. Since the permit became effective on December 1, 2012, the WWTP has struggled to meet the copper permit, which led to an Administrative Order of Consent (AOC) from the US EPA that requires the Town to meet an interim copper effluent limit of 20.0 µg/L and then comply with the final permit requirements by November 30, 2017.

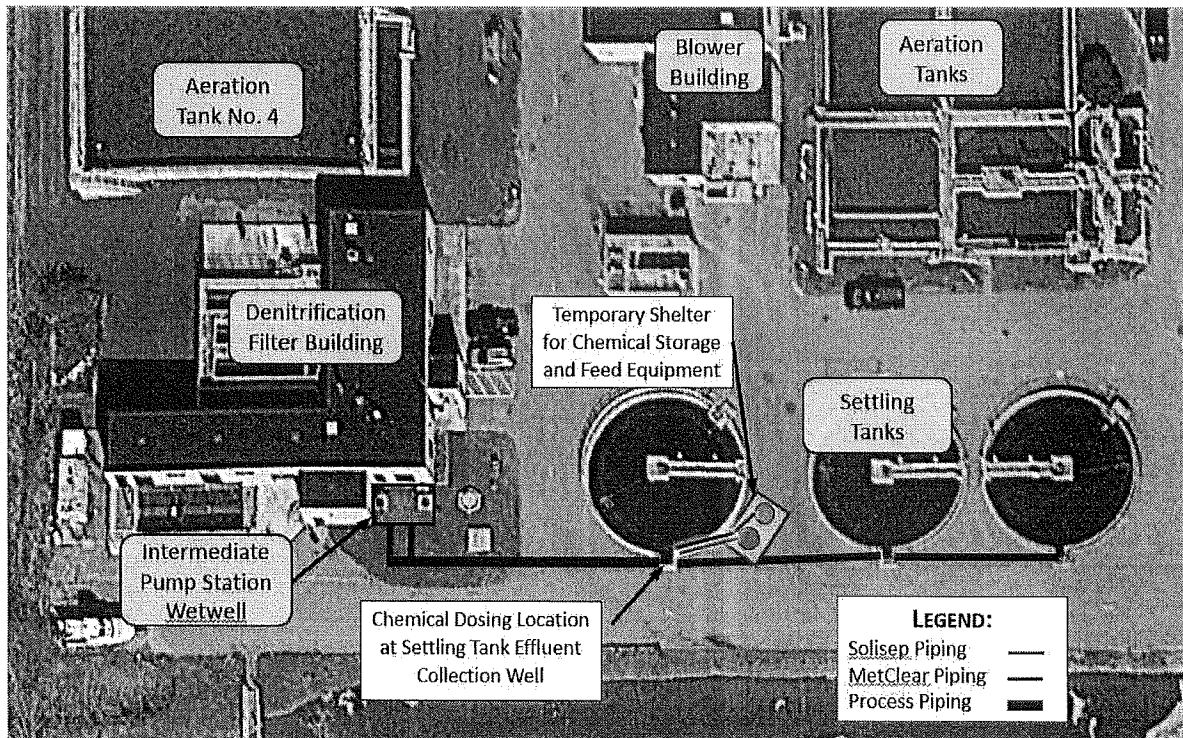
Tighe & Bond has assisted the Town by evaluating various alternatives to achieve the copper permit limit, including both methods to optimize the treatment process, capital upgrades to the treatment plant, and relocating the discharge to increase dilution. The study concluded that the most cost effective alternative was to use a specialized chemical polymer (MetClear 2405, manufactured by GE) at the WWTP. This chemical was shown to successfully remove dissolved copper from the WWTP's effluent below the permitted limit during bench-scale jar testing. The study recommended that the polymer be applied in a full-scale pilot test to further confirm the chemical's effectiveness at meeting the copper permit limit. This pilot test plan and protocol (detailed below) was developed based on recommendations from the chemical supplier, input from the WWTP staff, and recent experience with similar metal's removal pilot tests at other WWTFs.

### 2 Experimental Design

#### 2.1 Overview

The copper reduction pilot test will consist of dosing MetClear 2405 polymer to the secondary effluent and then implementing a sampling program to monitor the chemical performance over a period of two months. The proposed dosing location is at the effluent collection well of Settling Tank No. 3. This location is the first point where secondary effluent from all three settling tanks meets; secondary effluent from Settling Tanks No. 1 and No. 2 flows into and through the effluent collection well from an upstream pipe and

secondary effluent from Settling Tank No. 3 cascades from the launders into the well. The secondary effluent then flows out of the well towards the intermediate pump station wet well, which pumps up the flow to the denitrification filters. Figure 2-1 shows the layout of the WWRF and the proposed locations of the dosing location. Dosing the chemical at the settling tank effluent well location provides less than 20 seconds of residence time for rapid mixing and then approximately 10 minutes to flocculate and react as the flow passes through the pipes and intermediate pump station wet well towards the filters. GE recommends providing 7-8 minutes of reaction time, which was similar to the flocculation time used in the jar tests. The polymer is designed to form a small pin floc that has a high affinity to adsorb dissolved metals, including copper. The floc can then be removed by solid's removal processes, such as the tertiary denitrification filter at the Scituate WWTF.



**FIGURE 2-1: WWTF Site Overview with Proposed Pilot Test Layout**

Based on the jar test data, we recommend that the initial dosage of MetClear 2405 coagulant be 1 ppmvp. However, to better understand the impacts of the chemical, we plan to run the pilot at higher dosages of 2 ppmvp and 5 ppmvp. The pilot test will be operated at each of these dosages for one week to provide adequate data for evaluating performance. The next phase of the pilot will be dependent on the results. If the initial data shows successful removal of copper, then the pilot should be operated at the optimal dosage for an additional month to understand the long-term impacts of the chemical addition on the plant. If the MetClear product still does not meet the copper removal goals, we will consider various modifications to the pilot test, which are detailed further in Section 2.4.

In addition to the MetClear coagulant, GE also recommend dosing a flocculant called, Solisep MPT130, which is designed to improve the removal of particulate copper, especially

the flocs formed from the Metclear coagulant addition. The flocculant works by increasing the floc size of the particles so that they are more easily captured by the downstream denitrification filters. During the copper removal study, the Solisep flocculant was jar tested on its own, but was never jar tested together with the MetClear coagulant, so the actual impact this strategy has on removing copper at the Scituate WWTF has not yet been quantified. We recommend using the Solisep flocculant in tandem with the Metclear coagulant, as the first pilot test modification following the initial coagulant only trial only if the coagulant alone cannot meet the copper removal goals. Unfortunately, acquiring the additional equipment requirements to dose a second chemical in the middle of the pilot test, may take up to 2-3 weeks, which is not likely to fit within the project schedule. For this reason, we recommend providing all the required equipment to dose both types of chemical up front, so the pilot testing can continue without delay. The required equipment and utilities to operate the pilot are detailed in Section 2.3 below.

## 2.2 Sampling & Monitoring Plan

A detailed sampling plan has been prepared to collect accurate and meaningful data to help evaluate the performance of the pilot test. Three times a week 24-hour composite samples shall be collected from the influent, secondary effluent, and effluent and analyzed for several parameters as detailed in Table 2-1. Three samples per week is especially important during the initial weeks of the pilot to better understand the impacts of the Metclear dosages that will be adjusted on a weekly basis. Since the WWTF staff already collects two composite samples per week from the influent and effluent for BOD tests, two of the pilot test samples can be coordinated within the WWTF's standard operating procedure to limit additional burden on the plant staff. The third sampling day per week is flexible based on the WWTF's operating schedule. It can be scheduled to coincide with extreme or unusual operating events such as high and low influent flows, specific recycle streams (i.e. sludge dewatering), or greater than normal septage acceptance. Once the initial portion of the pilot test is over and an optimal dose is established, sampling can be returned to only two times per week. Existing composite samplers will be used at the influent and effluent sampling locations. The influent sample location will be used to monitor fluctuations in the influent copper load to ensure that the pilot test performance is not a function of changes in the load being treated. Meanwhile, the corresponding effluent data will be the main method to evaluate compliance with the permit limits.

A third sampling location of the secondary effluent is important because the data will reflect the baseline copper concentrations, from which we can understand the impact of the pilot. Since there is no existing secondary effluent sampler, a temporary composite sampler will be rented for the duration of the pilot. The sample should be taken prior to the chemical addition point in Settling Tank No. 3, which limits the sample location. to the effluent well at Settling Tank No. 2, which is the nearest possible point upstream of the addition point. At this location, the sampler will only collect secondary effluent from Settling Tanks No. 1 and No. 2, and will never draw from Settling Tank No. 3. Since the WWTF only operates two settling tanks, only half the plant flow will be sampled, which is not ideal, but the most optimal solution given the hydraulic constraints of the WWTF.

The sampling plan in Table 2-1 also shows the water quality parameters to be analyzed for each location. In addition to measuring total and dissolved copper, we recommend taking pH and alkalinity data to better understand the water chemistry that impacts copper speciation. Total nitrogen will also be analyzed to verify that the addition of the chemicals during the pilot does not impair the WWTF's denitrification filters and subsequently hinder its nitrogen removal capacity. The total copper, dissolved copper, and total nitrogen samples will be sent out to a third-party lab for analysis, while the pH and alkalinity



measurements will be conducted in house. Total and dissolved copper shall be analyzed following EPA Method 200.8, which is included in Appendix A, to ensure the appropriate detection limit. Sample collection should follow clean-sampling practices to limit contamination. For metal's testing, these best practices include acid washing sample collection jars between each test as detailed in EPA Method 200.8 Paragraph 6.10.

**TABLE 2-1: Summary of Laboratory Analyses per Sampling Event**

Parameter	Sample Location			Sampling Type
	INF	Sec. EFF (1)	EFF	
Cu, total	✓	✓	✓	24-hour composite, 3 <sup>rd</sup> party lab
Cu, dissolved	✓	✓	✓	24-hour composite, 3 <sup>rd</sup> party lab
pH	✓	✓	✓	Grab, analyzed by WWTF
Alkalinity	✓	✓	✓	24-hour composite, analyzed by WWTF
TN		✓	✓	24-hour composite, 3 <sup>rd</sup> party lab

Notes: 1) The secondary effluent sampling location shall be ahead of the chemical injection point.

In addition to the routine sampling plan, there are several other operating conditions in the plant that should be monitored over the course of the pilot. First, we recommend that a round of toxicity testing be conducted during the pilot to ensure that the MetClear chemical does not impact aquatic toxicity. Second, it is anticipated that the chemical addition from the pilot test will increase the solid's load to the denitrification filters. The WWTF staff shall monitor the filter operating conditions such as frequency of backwashes, changes in headloss and pressure, and visual inspections of filter media for build-up of solids that could gum up the media regardless of backwashes. Lastly, the WWTF staff should monitor for the secondary effluent well, intermediate pump station wet well, and other systems for signs of corrosion and/or solids accumulations.

## 2.3 Temporary Equipment and Utilities

A temporary shelter will be provided adjacent to the dosage site to store the bulk chemical drums and house the temporary chemical feed equipment. The structure will be supplied with the necessary safety equipment required to handle and store the chemical safely. The pilot test will also require a mixing system to distribute the chemical into the secondary effluent and an additional composite sampler for monitoring the pilot test performance. This section provides further details of the required equipment and utilities to successfully operate the pilot test.

### 2.3.1 Chemical Feed Pumps

We recommend that the MetClear coagulant and Solisep be dosed using peristaltic pumps because they have higher turndown ratios to accommodate a wider range of flows, are very accurate and reliable, and are less prone to clogging, especially for polymers, compared to other types of pumps. Based on the jar test results, the recommended MetClear polymer dose is 1 ppmvp, but is planned to dose up to 5 ppmvp during the pilot test. Similarly, the Solisep coagulant was recommended to be dosed at 10 ppmvp, but can vary between 5 ppmvp and 20 ppmvp during the pilot test.

The pumps' design capacity must be able to feed the chemicals at the desired doses over the complete range of flows anticipated at the WWTF. Tables 2-2 and 2-3 show the

minimum and maximum pumping rates required to dose MetClear and Solisep, respectively. The pump to dose Metclear shall be capable of pumping at 0.0004 gallons per hour to 1 gallon per hour (a turndown ratio of 2500:1), while the Solisep pump shall be capable of pumping at 0.002 gallons per hour to 3.75 gallon per hour (a turndown ratio of 1875:1). We recommend a Model A3 Blue-White peristaltic pump to meet the chemical feed design criteria for both chemicals. The recommended pump would have a pumping range from 0.002 gph to 4.8 gph and be chemically resistant to both chemicals. Although this pump design does not quite cover the lower range of the MetClear polymer range, there was not a smaller pump available that would still provide the appropriate amount of turndown. Overdosing chemical during these rare periods of low flow, should not substantially burden the WWTF in wasted operating costs. A cut sheet for this pump is provided in Appendix B.

**Table 2-2: MetClear Polymer Chemical Feed Pump Design Criteria**

MetClear Polymer Dose (ppmvp)	1	2	5
Pump Rate at Peak Instantaneous Flow of 4.48 MGD			
gph	0.19	0.37	0.93
Lph	0.71	1.41	3.53
Pump Rate at Minimum Instantaneous Flow of 0.01 MGD			
gph	0.0004	0.37	0.93
Lph	0.0016	1.41	3.53

**Table 2-3: Solisep Coagulant Chemical Feed Pump Design Criteria**

Solisep Coagulant Dose (ppmvp)	1	2	5
Pump Rate at Peak Instantaneous Flow of 4.48 MGD			
gph	0.93	1.87	3.73
Lph	3.53	7.07	14.13
Pump Rate at Minimum Instantaneous Flow of 0.01 MGD			
gph	0.002	0.004	0.008
Lph	0.008	0.016	0.032

**Meeting Discussion Item:** Decide on purchasing pumps with full skids or just the pumps alone.

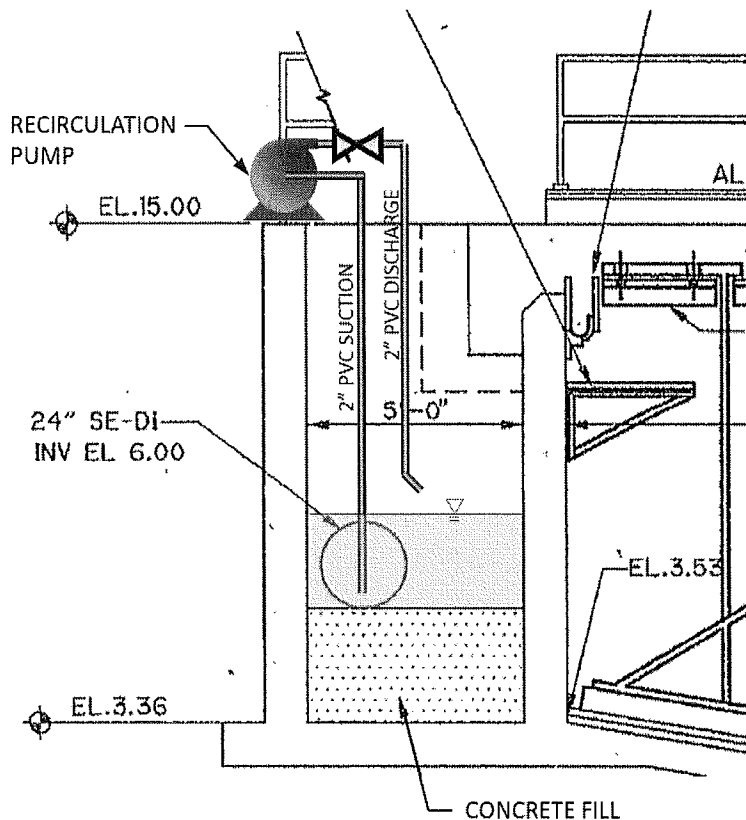
The peristaltic pumps require single phase, 115V power, which must be provided to the temporary structure discussed in more detail in Section 2.3.4. The pumps also have the capability to be flow paced. We recommend that the WWTF provide a 4-20mA flow signal to the pumps to ensure the highest level of accuracy for dosing the chemicals.

**Meeting Discussion Item:** Methods of providing a 4-20mA signal to the pumps location.

### 2.3.2 Mixing Equipment

Tighe & Bond recommends that flash mixing be provided at the chemical injection point to thoroughly disperse the chemical into the secondary effluent. As part of a more permanent

solution, it is common to use a shaft mounted, propeller style mixer; however, to reduce costs for the temporary pilot plan, we recommend relying on pumped circulation and the already present kinetic mixing present in the settling tank effluent well. Chemical shall be dripped into the effluent launder of Settling Tank No. 3. The effluent then cascades from the launder into the effluent well, which will impart mixing energy. To provide additional mixing, we recommend that the WWTF staff install a small recirculation pump with PVC pipe to both draw from and discharge into the effluent well. The WWTF already owns a Pond Star that can be used as the recirculation pumps. A cut sheet of the specific pump is provided in Appendix C. The recirculation mixing setup can be plumbed as shown in the schematic provided in Figure 2-2.

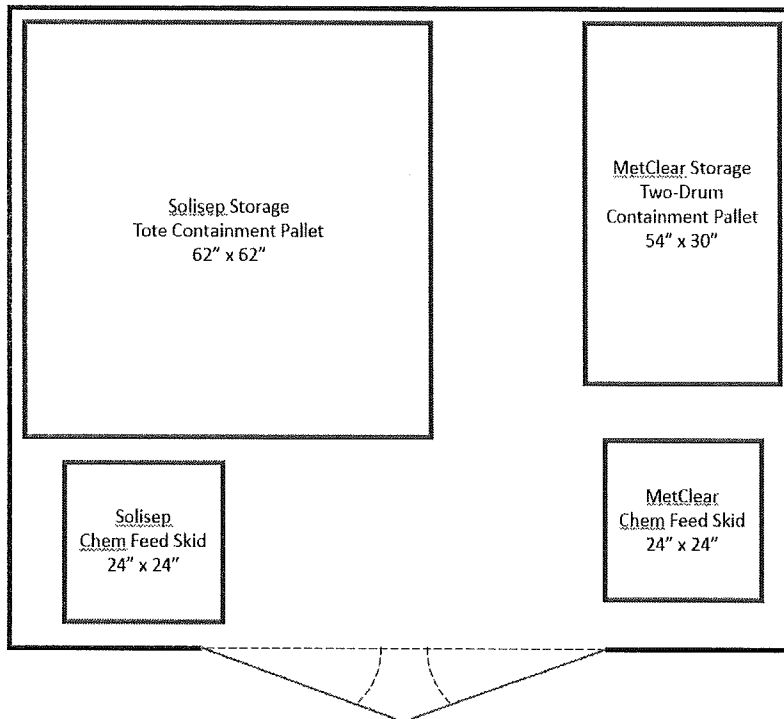


**Figure 2-2:** Proposed Recirculated Pump Mixing Setup

### 2.3.3 Temporary Shelter

All chemical feed equipment and bulk chemical storage will be placed in a temporary outdoor structure placed adjacent to the dosing location. The purpose of the structure is to keep equipment protected from the weather and improve site safety. It was assumed that the shelter would be 8' by 10', with a floorplan as shown in Figure 2-3.

Since the pilot test will extend into the late Fall, there is also concern that colder temperatures may cause the chemicals to freeze. The Metclear coagulant has a freezing point of 25 °F while the Solisep flocculant has a freezing point of 30°F. A smaller electric heater can be provided inside the enclosure to maintain the indoor temperature about the required freezing points.

**Meeting Discussion Item:** Location of Chemical Feed Equipment**Figure 2-3:** Proposed Temporary Shelter Layout**2.3.4 Chemicals and Chemical Containment**

The MetClear coagulant and the Solisep flocculant are provided by the chemical manufacturer, GE Water, either in 55 gallon drums or 250 gallon totes. The lead time for delivery of the chemical from Philadelphia is two to three weeks. The quantity of chemical used during the pilot test depends on the dose rate, which will vary throughout the pilot test. Table 2-4 was prepared to help estimate the quantity of chemical that should be initially purchased for the pilot test. The table summarizes the number of days a tote or drum of each chemical will last when used at various dose rates. The average daily flow was used to estimate the chemical consumption.

**Table 2-4:** Estimates of Storage Duration at various Dosages and Purchasing Options for MetClear and Solisep Chemicals

Dose (ppmvp)	MetClear			Solisep		
	1	2	5	5	10	20
Days of Storage - DRUM	42	21	8	8	4	2
Days of Storage - TOTE	192	96	38	38	19	10

Note: Estimates made assuming average daily flow of 1.4 MGD

Based on Table 4, we recommend that the Town order two drums of the MetClear polymer and one tote of the Solisep coagulant. At a conservative dosage of 2 ppmvp, the two drums of MetClear will last 42 days. The tote of Solisep will be consumed in 19 days at an average dose rate of 10 ppmvp. The 19 days of Solisep storage is enough to evaluate the chemical's

impact while still providing enough time to place another order if deemed necessary before running out. A tote at approximately \$1.98/lb is also more cost effective than a drum at \$3.45/lb. There is no equivalent cost savings for purchasing the MetClear polymer at larger quantities. The chemicals will be stored in the temporary shelter adjacent to the dosing location. The WWTF staff will provide temporary spill containment pallets to store drums and totes on.

### **2.3.5 Safety Equipment**

The temporary chemical storage structure will be outfitted with the appropriate safety equipment. The SDS sheets for both the MetClear polymer and the Solisep coagulant, which are included in Appendix D, were reviewed to ensure safe handling and storing guidelines. In general, both chemicals are relatively safe to handle. Proper personal protective equipment (PPE), such as gloves and goggles, will be stored in the temporary structure. The Town will also provide a mobile eyewash station in the temporary shelter. Lastly, a ventilation fan shall be placed into the structure to ensure good ventilation.

**Meeting Discussion Item:** Temporary Spill Containment Options

### **2.3.6 Secondary effluent composite sampler**

A composite sampler is required to sample the secondary effluent, as discussed above in Section 2.2. The sampler will be rented for the duration of the pilot test from a third-party vendor. It will be placed adjacent to Settling Tank No. 2, where the sample will be taken. The sampler will require a temporary electricity source.

### **2.3.7 Electricity**

Temporary electricity is needed to power the chemical feed pumps, recirculation pump, composite sampler, and ventilation system. Each settling tank has a single phase 115V feed to power luminaires on the bridges; however, there are no existing receptacles. To provide power for the pilot equipment, the WWTF's electrician will splice into the existing electric line at Settling Tank No. 3 and install a new outdoor receptacle adjacent to the bridge stairs.

## **2.4 Troubleshooting Strategy**

As indicated above, this pilot test plan includes several contingencies to test in the event that the MetClear polymer alone is not capable of meeting the copper permit limit. Similarly, analysis of the sampling results and visual inspections of the WWTF operations will help identify modifications to the pilot that would optimize the copper removal efficiency. Below includes a list of troubleshooting ideas to optimize the pilot test or combat potential issues that develop.

- Dosing Solisep flocculant – The purpose of the Solisep flocculant is to increase the floc size so that the flocs formed from the MetClear polymer and that contain copper are more easily captured and removed by the tertiary denitrification filters.
- Move the dosing location – There are two other potential chemical addition locations: the intermediate pump station wet well and directly into the piped discharge from the PS pumps up to the denitrification filters. If the floc is getting broken up by the intermediate pumps, then the chemical addition should occur after the pumps. Injection into the piped discharge is possible through an existing sampling port;

however, there is minimal mixing and reaction time at this location, making it likely not as effective. It is also possible that the Solisep is more effective being dosed downstream of the MetClear polymer, where the MetClear flocs are more developed. In this scenario, it is recommended that the Solisep is added at the intermediate wet well. As necessary, different combinations of chemical dosing at the various injection locations can be tested.

- Use sampling bags – The composite samplers can be outfitted with single use sampling bags that are “hospital clean” so they do not contaminate the sample. Although, we recommend acid-washing the sampling carboys between each use, there remains a risk that residual copper may contaminate the remaining sample. At such low limits, even a little contamination may have a significant impact on the results. These bags add additional expenses, so employing this strategy is only recommended as a last alternative.

### 3 Costs

An estimate of the costs to properly operate the full-scale pilot test were prepared based upon the pilot test experimental design detailed in Section 2. The costs include the initial capital to purchase the temporary equipment and materials, chemical costs, and laboratory analysis expenses for the two-month pilot test. In total, the pilot-test will cost approximately \$36,700. A summary of the costs for all the major expenses is provided in Table 3-1 below. This estimate included pricing for electrical work and system integration necessary to incorporate the system. Not included in this estimate are the WWTF staff time and materials to install and operate the pilot plan and additional costs associated with troubleshooting the pilot test.

**Table 3-1:** Summary of Estimated Pilot Test Costs

Equipment Category	Cost
Chemical	\$6,400
Chemical Feed Pumps & Skids	\$18,490
Temporary Shelter & Safety Equipment	\$2,438
Lab Analytical Services	\$4,200
Sampling Equipment	\$845
Mixing System	150
Electrical and Control Systems	\$4,100
TOTAL	\$36,623

**Meeting Discussion Item:** Review Cost Impacts of various Equipment Decisions

Deduct Options	Cost
Option 1: Pumps only not Skids	-\$12,038
Option 2: Built-in Spill Containment instead of Pallets	-\$1,089
Option 3: Run Wired Flow Signal	-\$1,780
Option 4: Store Chemical in Garage Bay	-\$2,034



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 6/23/17

Date of Last Edit: 6/23

Project Number:	2019-422-01
Project Title:	Grit Dewatering Dump Site
Category:	Equipment
Department: Sewer	Contact: William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Design and construct a vector dump site to be used to dewater grit and other wastes removed from the plant and collection system so that it can be disposed of.

Benefits of Project and Impact if Not Completed:

Currently the department has no way of disposing of grit and other vector wastes. Since July 2017 all of the Town's vector contractors have been unable to dispose of slurried grit wastes, this has halted all cleaning projects. The dump site previously used is out of order and undersized for the department's needs. The department has over ten years of backlog in cleaning projects. It is critical that a new dump site, of sufficient capacity, with dewatering capability be constructed for the department to maintain its collection system and facilities.

Discuss Operating Budget Impact:

Completing cleaning projects will allow the department to perform work to identify and eliminate Inflow and Infiltration throughout the collection system. Cleaning the collection system to remove I/I and conduct repairs will increase the capacity of the sewer system. These cleaning projects will remove material built up in the system, which if left in the system will wreak havoc on equipment.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$30,000	\$30,000					<input checked="" type="checkbox"/>	<input type="checkbox"/>
Land Acquisition	\$0						<input checked="" type="checkbox"/>	<input type="checkbox"/>
Construction	\$230,000	\$230,000					<input type="checkbox"/>	<input type="checkbox"/>
Equipment/Furnishings	\$0						<input type="checkbox"/>	<input type="checkbox"/>
Contingency	\$0						<input type="checkbox"/>	<input type="checkbox"/>
Other	\$0						<input type="checkbox"/>	<input type="checkbox"/>
<b>TOTAL</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/>	<input type="checkbox"/>

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

## Preliminary Capital Budget Scituate Wastewater Department

**TO:** William Branton, Chief Operator  
**FROM:** Ian Mead, P.E.  
Ian Catlow, P.E.  
**COPY:** Mike Schrader, P.E.  
**DATE:** October 20, 2017

---

Based on our recent discussions, Tighe & Bond understands that you are in the process of identifying capital projects to maintain the current level of service at the Town's wastewater treatment facility. We have summarized the five projects that we recently discussed with you along with their anticipated budgets below. Projects are not presented in any particular order of priority; however, it is important to note that many of the upgrade projects outlined below will be better defined through the Wastewater Facility Assessment described in the first project.

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

1. Screenings & Grit Removal - Identify problems with current screening and grit removal systems and recommend upgrades to address deficiencies.
2. Influent Pump Performance - Identify issues limiting pump capacity and recommend changes needed. In addition, assess pump vulnerability to emergency flooding conditions.
3. Structural and Architectural Systems - Assess the condition of the concrete structures at the facility and recommend repair and maintenance tasks to prevent wear and tear and reduce long term repair costs where needed. Assessments are likely to focus on older structures such as the aeration tanks, aerobic digesters, and the catwalks/walkways in these tanks.
4. Preventive Maintenance and Modernization - Identify and prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.
5. Code Update - Identify code compliance issues associated with the classification of spaces, egress requirements, HVAC, life safety equipment, and electrical systems.

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

Draft Scope of Work: This project would include the replacement of the existing influent screen, the addition of a new screenings wash press to clean and transport screenings out of the existing screen room, and the replacement of existing flow control gates. Associated electrical and HVAC systems within the screening room would also be upgraded as part of the project. Grit removal upgrades were assumed to include replacement of aeration headers, piping, blowers and improved grit removal system.

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

Draft Scope of Work: This project would include the upgrade of the existing influent pumping system to address capacity issues and improve system resiliency. We have



assumed that all four existing influent pumps would be replaced along with their associated valves, fittings, electrical systems and influent flow metering systems.

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

Draft Scope of Work: This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater Facility Assessment. For planning purposes, we have assumed that the majority of these repairs will be focused on aeration tank and aerobic digester tanks and catwalks/walkways. Additional work may include concrete crack repairs and leak sealing throughout the facility.

**Project 5: Vactor Tipping Pad Upgrade**

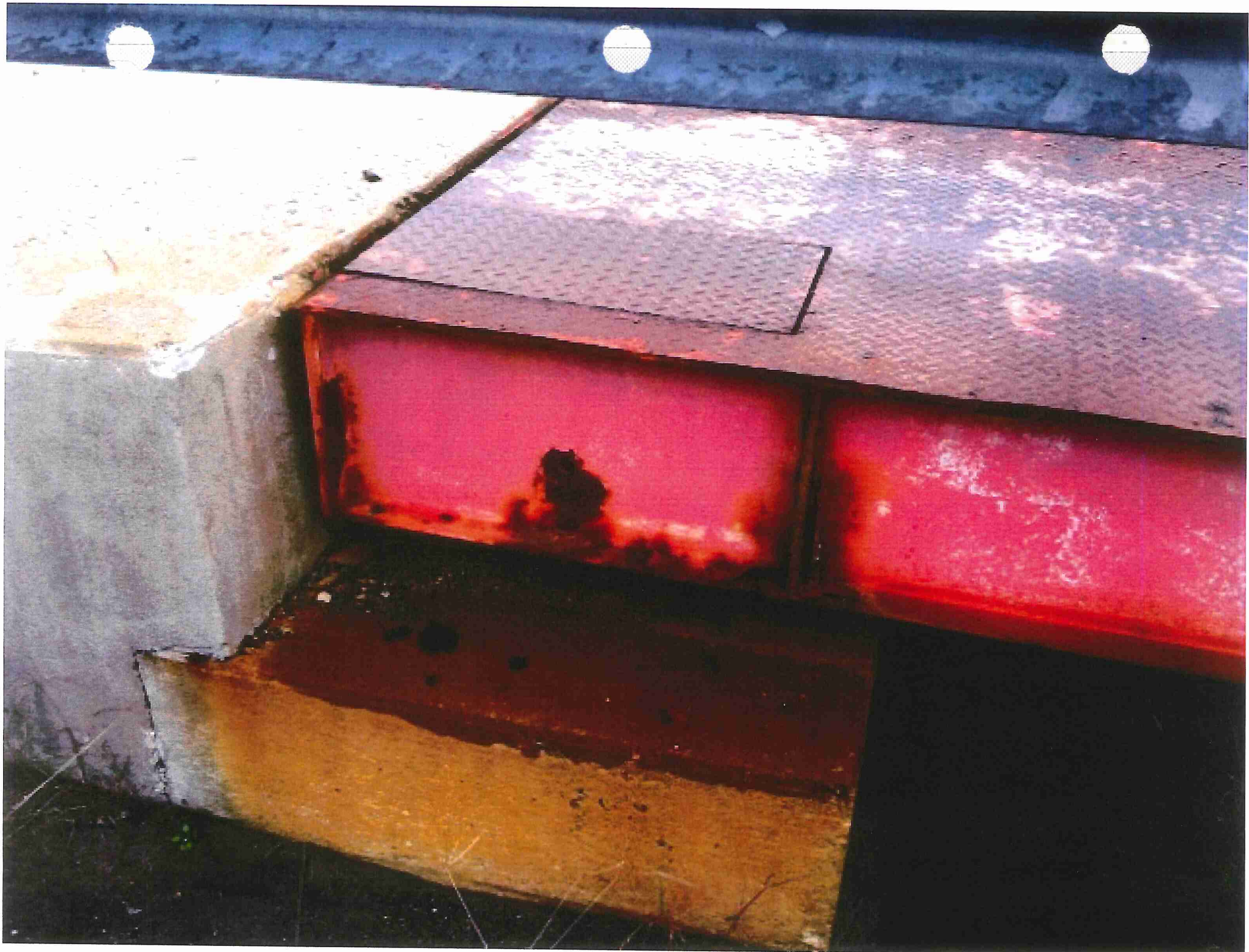
Budget: \$560,000

Draft Scope of Work: This project would include the design and construction of a new vactor tipping pad within a portion of the footprint of the effluent lined emergency storage lagoon. A pump station to return liquid discharged by the vactor to the head of the plant would also be included in the project with flexibility to aid in draining the emergency storage lagoon, as needed.

We ask that you review the outlines presented above and contact us to adjust project scopes and budgets as needed. Ian Mead can be reached at 508-471-9643 and Ian Catlow can be reached at 508-471-9605.









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 6/23/17

Date of Last Edit: 6/23

Project Number:	2019-422-03
Project Title:	Aeration Tanks 1+2 rehab
Category:	Repair and Maintenance
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          Phase \_\_\_ of \_\_\_

**Description:**

Clean tanks, remove and dispose of grit, and replace damaged aeration disks and lines within aeration tanks 1 and 2. These tanks serve as our means of primary treatment in breaking down wastes and have not been cleaned or repaired in over five years.

**Benefits of Project and Impact if Not Completed:**

Maintaining these tanks will allow us to continue to provide consistent primary treatment. Keeping our tanks in good and working condition allows us to operate the tanks in a manner which optimises power consumption for treatment. In their current state these tanks will start to fail in the near future and will result in decreased capacity of the treatment plant.

**Discuss Operating Budget Impact:**

The aeration tanks are what breaks down the wastes and creates sludge for our dewatering process. Repairing the tanks will increase the quality of our sludge and reduce operational costs and wear and tear for the belt filter press and other related equipment for sludge handling.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$10,000	\$10,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$25,800	\$12,900	\$12,900				<input type="checkbox"/> Capital Stabilization
Contingency	\$5,960	\$3,480	\$2,480				<input type="checkbox"/> Free Cash
Other	\$23,800	\$11,900	\$11,900				<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$65,560</b>	<b>\$38,280</b>	<b>\$27,280</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,560</b>	<b>\$38,280</b>	<b>\$27,280</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**Xylem Water Solutions USA, Inc.  
Sanitaire Products**

9333 N. 49th Street  
Brown Deer, WI 53223  
Tel 414-365-2245  
Fax 414-365-2210

DATE: August 12, 2015

TO: Dan Smith, Town of Scituate, MA Sewer Division  
RE: Sanitaire Aeration System Rehabilitation  
Original Sanitaire Installation #98-8042s; Proposal #26100-15tc

We propose to furnish the following Aeration Equipment subject to the terms and conditions set forth herein:

**I. Option 1: Grid 4A & 4B Rehabilitation**

**A. EQUIPMENT**

The Xylem Water Solutions USA, Inc. scope of supply for this project includes the following equipment and services:

**1. Grid 4B**

Replacement equipment for the following SANITAIRE® Ceramic Disc Fine Bubble Aeration Grid, to be installed in Aeration Tank 4:

Grid Type	Qty of Grids	Qty of Headers per Grid	Qty of Diffusers per Grid	Qty of Diffuser Holders per Grid
4B (as shown on 98-8042s drawings)	1	26	754	910

Replacement equipment for this grid will include the following:

- Four-inch diameter PVC air distribution headers including:
  - Fixed anti-rotational joint connection to the air manifold, including o-rings.
  - Factory installed diffuser holders.
  - Positive locking fixed anti-rotational joint connections.
- SANITAIRE® 9" o-rings, retainer rings, and silicone lubricant.
- One manual purge system with eductor piping and isolation valve.
- (50) 316L Stainless Steel Guide Supports and Anchors. [Please note that this quantity is not a full replacement of all guide support and anchors for Grid 4B.]
- (1) Plug installation tool and (200) rubber plugs.

**2. Grid 4A**

Replacement equipment for the following SANITAIRE® Ceramic Disc Fine Bubble Aeration Grid, to be installed in Aeration Tank 4:

Grid Type	Qty of Grids	Qty of Headers per Grid	Qty of Diffusers per Grid	Qty of Diffuser Holders per Grid
4A (as shown on 98-8042s drawings)	1	4	84	96

Replacement equipment for this grid will include the following:

- One manual purge system with eductor piping and isolation valve.
- SANITAIRE® 9" o-rings and silicone lubricant for (84) diffusers.

**3. Engineering Drawings:** Required sets of engineering drawings.

**4. O & M Manuals:** One (1) set of O & M Manuals.

**5. Field Installation Supervision and Start-Up Services:**

The services of a qualified representative are NOT included in this proposal. However, field service is available at a cost of \$1,000.00 per day plus travel and living expenses.

**B. EXCLUSIONS**

The following are specifically excluded from our proposal:

1. Any equipment or parts not specifically listed in Section A.
2. All piping upstream of the air distributor connections to the manifold for Grid 4B including manifold piping, lower PVC dropleg, and upper stainless steel dropleg (to be reused).
3. All air distributor, manifold, or dropleg piping, joints, or supports for Grid 4A.
4. 9" Ceramic diffusers (to be reused).
5. Pressure monitoring or gas cleaning equipment.
6. All valves, air main piping and accessories.
7. All bolts, gaskets and connectors for attaching drop pipe to upper air main piping.
8. Demolition, removal, or disposal of any existing equipment.
9. Installation of equipment furnished by Xylem-Sanitaire.
10. All costs associated with video taping services.
11. Oxygen transfer field or shop testing.

**C. ESTIMATED SUBMITTALS AND DELIVERIES**

The submittal schedule begins after acceptance of purchase order by Sanitaire. Delivery schedule begins after receipt of approved drawings; assume 2-week turnaround of submittals by the review engineer.

Certified engineered equipment drawings: 4-6 weeks  
Equipment Shipment Date (after release for fabrication): 5-6 weeks

**D. PRICING**

Pricing for the equipment and field services outlined in this proposal, including freight to jobsite:

**\$23,950.00**

**E. PRICE NOTES**

1. Taxes are not included. Purchaser to pay directly all applicable taxes separate from purchase order to Xylem Water Solutions USA.
2. All prices quoted shall be valid for 90 days.
3. The prices are based on the equipment being released for shipment by the 4th Quarter, 2015.
4. Prices on orders received after the above deadline or specifying later shipping dates shall be subject to review and possible adjustment in line with the then existing economic conditions.
5. Terms of Payment: 95% Net 30 days after shipment, 5% after start up and substantial use or final acceptance, not to exceed 120 days after shipment.
6. An interest charge of 1 1/2% per month will be added to past due accounts.
7. Other conditions of sale shall apply as noted in the attached Terms & Conditions.

**F. WARRANTY**

Xylem Water Solutions USA warrants all parts to be free from defective material and workmanship for a period of one (1) year after startup or eighteen (18) months after shipment and to furnish to the Owner replacements for any such items found to be defective within that period.

**II. Option 2: Parts Order**

**A. Equipment**

The Xylem Water Solutions USA, Inc. scope of supply for this option includes the following parts only:

Description	Quantity
Air distributor section, 10' length, 0.125" wall, 4" sewer size ASTM D-29150 PVC pipe, with (4) solvent welded 2300 diffuser holders	20
4" Sewer Size Glued Coupling (4SEW-CPL)	125
4" Sewer Size Glued End Cap (4SEW-CAP)	30
9" Ceramic Diffuser O-Ring (2331-109)	838
Silicone Lubricant, 4-lb Pail (Good for approximately 1,000 o-rings) (HVS350-4)	1
Spline Joint Assembly, 4" Sewer Size PVC (includes spigot end, socket end, 4" grey o-ring, and 4" retainer ring) (2250-ASSY)	50
316 SS Guide Support Assembly: Includes 5/16", 1'-1" tall rods, locating plate, guide clamps, and hex nuts (2346-13S)	50
3/8" x 3-3/4" Wedge Anchor Bolt, 316 SS (38S334A6)	50
Manual Purge Assembly (all parts)	2 (1 each for Grids 4A and 4B)
<b>Total Price, including freight</b>	<b>\$12,900.00</b>





**B. PRICE NOTES**

**Incoterm:** FCA Free Carrier **Named Place:** US WH

**Terms of Delivery:** Freight Allowed (included in pricing)

**Lead Time to Shipping:** Approximately 6-8 weeks from receipt of order

**Taxes:** The prices quoted above do not include any state, federal, or local sales or use taxes.

**Terms of payment:** 100% Net 30 days

Thank you for considering our proposal for this equipment. If you should have any questions, please do not hesitate to contact us.

Sincerely,



Annie Weidert  
Aftermarket Sales Engineer – Sanitaire Products  
Tel 414-365-2213, Fax 414-365-2210  
[annie.weidert@xylem.com](mailto:annie.weidert@xylem.com)

With contract acceptance, Customer shall supply purchase order documentation or a signed proposal, including or accompanied by the following information:



**SANITAIRE**  
a xylem brand







TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 6/23/17

Date of Last Edit: 6/23

Project Number:	2019-422-02
Project Title: Sand Hills and Chain Pond pump station rehab finalization.	
Category: Repair and Maintenance	
Department: Sewer	Contact: William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_ of \_\_

**Description:**

The Sand Hills and Chain Pond pump stations recently underwent a major overhaul and replacement of equipment. Several needed tasks from that project still need to be financed to be completed. The following tasks are remaining; 1. Safety Cages at Sand Hills. 2. Re-roofing at Sand Hills and Chain pond. 3. Replace transfer switch at Chain Pond. 4. Landscape and beautify stations and repair or replace doors, install flood door at the Sand Hills Pump Station.

**Benefits of Project and Impact if Not Completed:**

Task 1, safety cages existing cages need to be replaced.

Task 2, re-roofing: The roof at the Chain Pond station is in serious need of repair. There are several cracks in the roof which is allowing rain water to splash into the station at multiple location. Repairing the roof will prevent damage to the new electrical equipment installed at the station. At the Sand Hills station a hole had to be cut in the roof to facilitate installing equipment at the station, repairing the roof would close the hole created by the project and prevent rain water from damaging the new mechanical equipment that was installed in the room where the hole was cut. Re-roofing would also bring added efficiency to heating the buildings.

Task 3 transfer switch. The transfer switch at the Chain Pond station is beyond it's expected lifetime and is no longer a dependable piece of equipment. There have been several instances of the switch failing to preform resulting in multiple overtime call backs by plant staff. The slow failure of this equipment adds wear and tear to the new electronics installed at the station and overtime could result in damage to the VFDs and other related electronics.

**Discuss Operating Budget Impact:**

Completing these tasks will decrease the need for overtime related responses to these stations. These tasks will also prevent substantial damage to expensive equipment which will alleviate the strain on the department's repair and maintenance budget. The Town will also enjoy added efficiency regarding electricity and heating costs for these stations.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$23,000	\$23,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$12,600	\$12,600					<input type="checkbox"/> Capital Stabilization
Contingency	\$4,560	\$4,560					<input type="checkbox"/> Free Cash
Other	\$10,000	\$10,000					<input type="checkbox"/> Revolving Fund
TOTAL	\$50,160	\$50,160	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$50,160	\$50,160	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**JOHN BEAN ROOFING**  
**PO Box 925**  
**HANOVER MA 02339**  
781 878 3100

William Branton  
For: 161 Driftway  
Scituate MA

March 6, 2017

Contract for re-roofing water treatment facility at 310 Hatherly Rd Scituate-

- \*Obtain all necessary permits to ensure that work is done legally.
- \*Provide a certificate of workman's comp and general liability insurance.
- \*Remove and dispose of existing EPDM roofing.
- \*Install 1" HD polyiso insulation over tar and gravel roof.
- \*Fasten insulation to roof decking with manufacturers plates and screw system.
- \*Install a 'Carlisle' fully adhered EPDM .060 rubber roof system.
- \*Re-flash all existing roof penetrations.
- \*Install all new .032 edge metal around entire perimeter of roof.
- \*Thoroughly clean work area and dispose of all debris.

*Replace shingles on mansards with new Landmark Designer architectural shingles*

\*\*\*Replacement of rotted or delaminated plywood will be charged at \$12 per linear ft for roof boards and \$80 per sheet of plywood installed.

All work will be performed in accordance with job specifications as outlined by Carlisle roofing systems

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our worker's are fully covered by workman's compensation insurance. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. We propose to furnish material and labor - complete in accordance with above specification, for the sum of:

Comes with a 10 Year John Bean Roofing Workmanship warranty-

Contract Price- \$8,870.00

Terms of contract: please sign and return 1 copy with deposit of 50%, balance to be paid upon completion of work.

Thank you,  
Thomas Bean  
John Bean Roofing

Sign here

\_\_\_\_\_  
Tom Bean

\_\_\_\_\_

**JOHN BEAN ROOFING**  
**PO Box 925**  
**HANOVER MA 02339**  
781 878 3100

William Branton  
For: 161 Driftway  
Scituate MA

March 6, 2017

Contract for re-roofing water treatment facility at 89 Scituate Ave Scituate-

- \*Obtain all necessary permits to ensure that work is done legally.
- \*Provide a certificate of workman's comp and general liability insurance.
- \*Remove and dispose of existing EPDM roofing.
- \*Install 1" HD polyiso insulation over tar and gravel roof.
- \*Fasten insulation to roof decking with manufacturers plates and screw system.
- \*Install a 'Carlisle' fully adhered EPDM .060 rubber roof system.
- \*Re-flash all existing roof penetrations.
- \*Install all new .032 edge metal around entire perimeter of roof.
- \*Thoroughly clean work area and dispose of all debris.

\*\*\*Replacement of rotted or delaminated plywood will be charged at \$12 per linear ft for roof boards and \$80 per sheet of plywood installed.

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All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our worker's are fully covered by workman's compensation insurance. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. We propose to furnish material and labor - complete in accordance with above specification, for the sum of:

Comes with a 10 Year John Bean Roofing Workmanship warranty-

Contract Price- \$12,870.00

Terms of contract: please sign and return 1 copy with deposit of 50%, balance to be paid upon completion of work.

Thank you,  
Thomas Bean  
John Bean Roofing

Sign here

\_\_\_\_\_  
Tom Bean



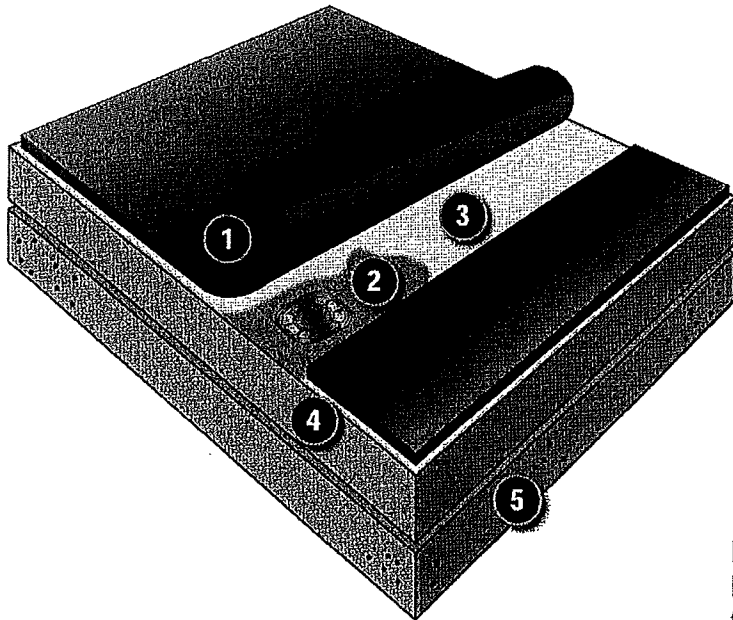
# SURE-SEAL<sup>®</sup>

FULLY ADHERED ROOFING SYSTEM



## TYPICAL APPLICATION

- 1 Sure-Seal EPDM Classic Membrane
- 2 Carlisle Fasteners and Plates
- 3 Carlisle Bonding Adhesive
- 4 Acceptable Insulation
- 5 Approved Roof Deck



### SYSTEM FEATURES AND BENEFITS INCLUDE

- Steeply pitched and flat roof applications - no slope restrictions
- Irregular configurations
- Monolithic assemblies
- Lightweight requirements
- Variety of decks

EPDM Membranes for Fully Adhered Roofing Systems are available in the following:

Colors: Black and White

Thicknesses (mils): 45, 60, 75 and 90

Standard Widths: 10' - 30'

Standard Lengths: 50' - 100'

EXISTING OR NEW DECK TYPE	NEW CONSTRUCTION						REROOFING		
	STEEL	PLYWOOD OR OSB	LT. WT. CONCRETE	STRUCTURAL CONCRETE	WOOD PLANKS	GYPSUM & FIBROUS CEMENT	SMOOTH SURFACE BUR	GRAVEL SURFACED BUR	EXISTING SINGLE-PLY
INSULATION REQUIRED	YES	NO	*REFER TO SPECS	NO	NO	YES	NO	YES	YES
RECOMMENDED INSULATION	(CARLISLE POLYURETHANE CARLISLE HIRFOVER BOARD OR POLYURETHANE HIRFOVER BOARD/IRIS SYSTEM)						← REFER TO NEW CONSTRUCTION		
INSULATION ATTACHED BY	FAST ADHESIVE (NON-PENETRATING) OR CARLISLE FASTENERS AND PLATES						← REFER TO NEW CONSTRUCTION		
MEMBRANE ATTACHED BY	SURE-SEAL BONDING						← REFER TO NEW CONSTRUCTION		

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE

For current Code Approvals, Warranties, and current specifications and details contact a Design Analyst.

\* Refer to Carlisle's Adhered Design Criteria Portion of the current specifications for requirements.

**Investing in Roofing Solutions for Over 45 Years**

800-4-SYNTEC • P.O. Box 7000 • Carlisle, PA 17013 • Fax: 717-245-7053 • www.carlisle-syntec.com





# SURE-SEAL

## FULLY ADHERED ROOFING SYSTEM

### Project Information

This Sure-Seal Fully Adhered Roofing System is being installed for the project named below.

Job Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

The Carlisle Authorized Roofing Applicator is:

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

### Installation

Carlisle's Sure-Seal Fully Adhered Roofing System utilizes 45, 60 and 90-mil Sure-Seal non-reinforced or 45, 60 and 75-mil Sure-Tough™ reinforced membranes. Additionally, Sure-White® may also be utilized to meet ENERGY STAR®, LEED®, Title 24 and CRRC requirements.

Insulation is either mechanically fastened to the roof deck every 2 square feet, adhered with FAST™ Adhesive or set into hot asphalt. Membrane is adhered to the insulation with Carlisle Approved Bonding Adhesive. Adjoining sheets of EPDM are spliced together a minimum of 3" using Carlisle's SecurTAPE™ or FAT™ technology.

The above information represents a typical Carlisle Fully Adhered Roofing System. Refer to Carlisle's published specifications and details for more complete information.

### Membrane and System Strengths

- Available in 10', 16½', 20', 25' and 30' widths. These widths of non-reinforced Sure-Seal membrane reduce splices between sheets
- Using Sure-Tough reinforced membrane increases puncture resistance and tolerates heavy foot traffic.
- Carlisle's Fully Adhered Roofing System offers design flexibility, addresses unconventional building configurations and conforms to steeply sloped roof designs

### System Codes

UL Class A, B and Universal Slope ratings are available over most deck types. FM uplift ratings up to 1-120 are available. For code specifics, also refer to Carlisle's Code Approval Guide.

### Quality Assurance

Carlisle Authorized Applicators have been trained to install Fully Adhered Roofing Systems

### Inspection

Upon installation completion, and prior to the issuance of a membrane system warranty, an inspection will be conducted by a Carlisle Technical Representative.

### Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

This system properly installed and inspected on a commercial project may receive:

- A 5-, 10-, 15-, or 20-year Golden Seal™ Total System Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle. A maximum peak gust wind speed coverage of 55 miles per hour is standard. Additional coverage up to 30 years and 120 mph is available.
- Warranty for systems incorporating Carlisle's Sure-Tough membrane include coverage for damage caused by accidental punctures
- Sure-White Fully Adhered Roofing Systems may qualify for a 20 year Golden Seal Total System Warranty

For more specifics or for International warranty programs, contact Carlisle.



### Investing in Roofing Solutions for Over 45 Years

800-4-SYNTEC • P.O. Box 7000 • Carlisle, PA 17013 • Fax: 717-245-7053 • www.carlisle-syntec.com  
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SAFETY GUARDS FOR DRIVESHAFTS &  
PUMP U-JOINTS. @ SANDHILLS PUMP  
STATION.

4' GUARD \$630.25 EACH  
2' " 599.70 EACH.

INSTALLATION COSTS:  
1 HOUR @ \$79.50 EACH.



**Robert Steverman**  
Licensed Marine Engineer  
41 Tilden Road  
Scituate, MA 02066  
(617) 545-4054

STEAM	DESIGN
DIESEL	REPAIRS
HYDRAULIC	WELDING
ELECTRICAL	MACHINING
PNEUMATIC	FABRICATION
MECHANICAL	INSTALLATION



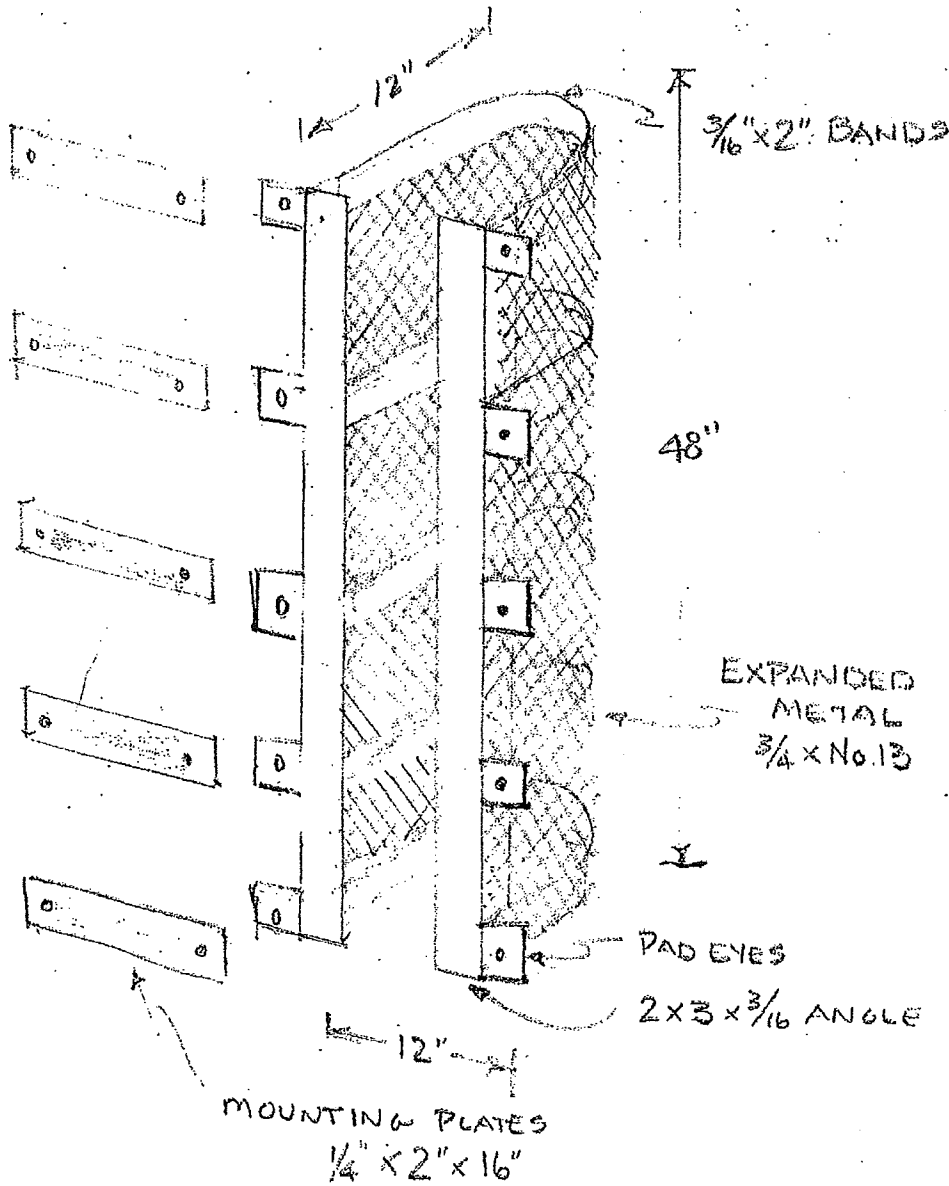
**Robert Steverman**  
 Licensed Marine Engineer

41 Tilden Road  
 Scituate, MA 02066


(617) 545-4054

STEAM  
 DIESEL  
 HYDRAULIC  
 ELECTRICAL  
 PNEUMATIC  
 MECHANICAL

DESIGN  
 REPAIRS  
 WELDING  
 MACHINING  
 FABRICATION  
 INSTALLATION

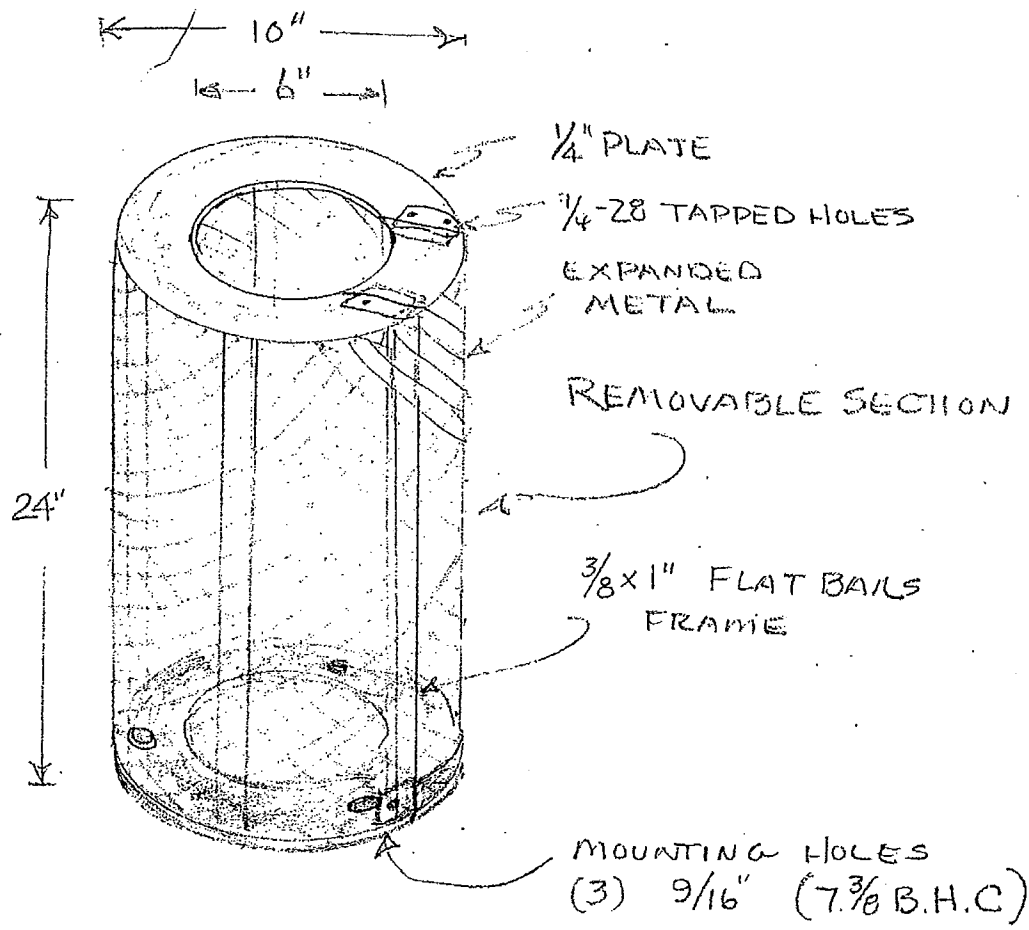


MATERIALS: \$ 150.25  
 LABOR 480.00  
 \$ 630.25 EACH

  
**Steverman**  
 Machine Service

**Robert Steverman**  
 Licensed Marine Engineer  
 41 Tilden Road  
 Scituate, MA 02066  
 (617) 545-4054

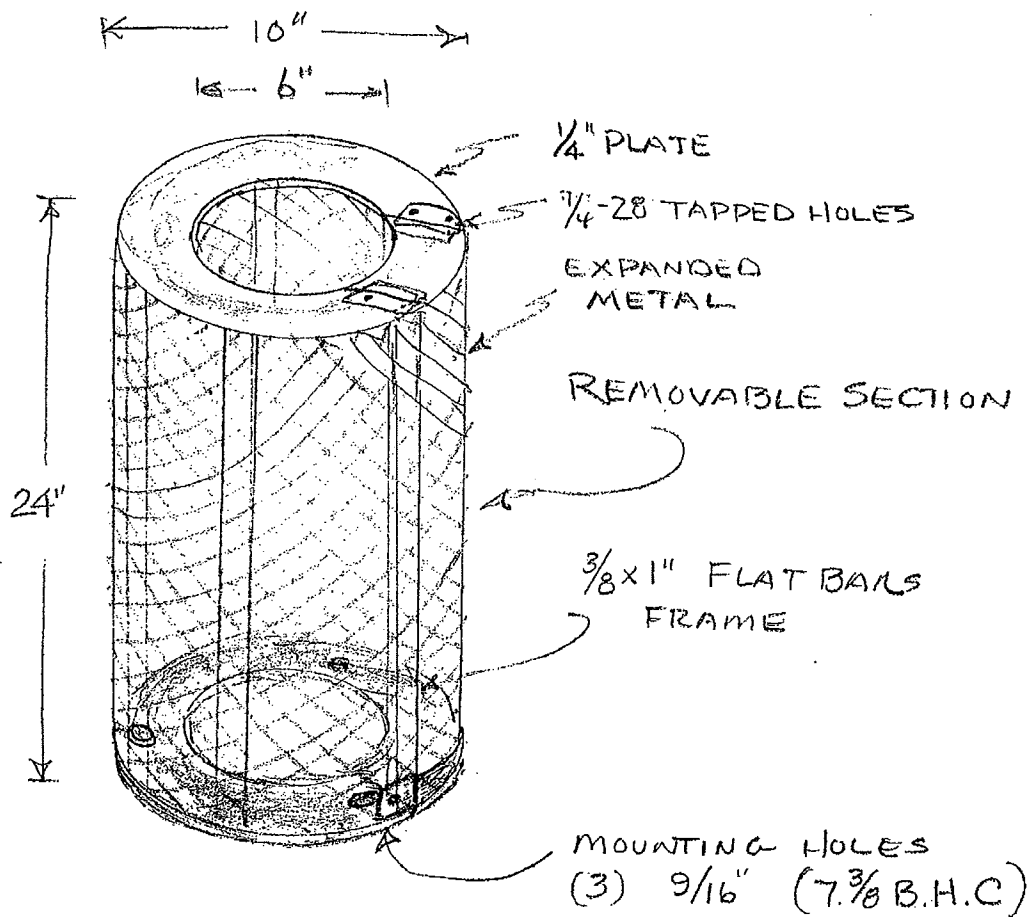
STEAM	DESIGN
DIESEL	REPAIRS
HYDRAULIC	WELDING
ELECTRICAL	MACHINING
PNEUMATIC	FABRICATION
MECHANICAL	INSTALLATION



MATERIALS: \$ 117.70  
 LABOR                    480.00  


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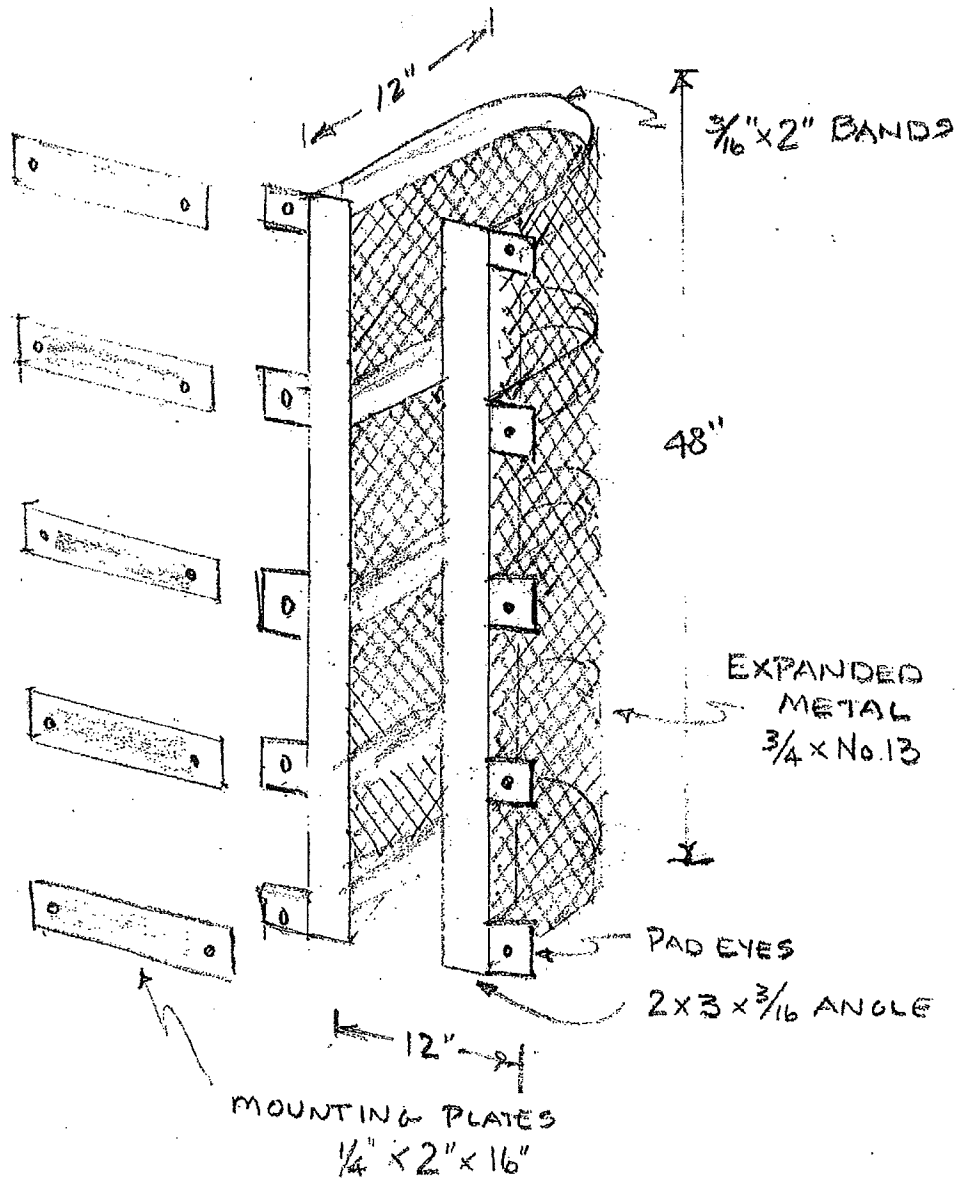
 \$ 597.70 EACH.



MATERIALS: \$ 117.70

LABOR 480.00

\$ 597.70 EACH.



MATERIALS:	\$ 150.25
LABOR	480.00
	<hr/>
	\$ 630.25 EACH



WALKER ELECTRIC  
107 BRANCH STREET  
SCITUATE, MA 02066  
781-545-1978

# Quotation

QUOTATION# 379

Scituate Sewer Treatment Plant  
161 Driftway  
Scituate, MA 02066

DATE 10/20/2017

Description	Quantity	Unit Price	TOTAL
Re: Chainpond pump station, Scituate MA Replace generator automatic transfer switch. Supply and install.		4,600.00	4,600.00
		<b>TOTAL</b>	<b>\$4,600.00</b>



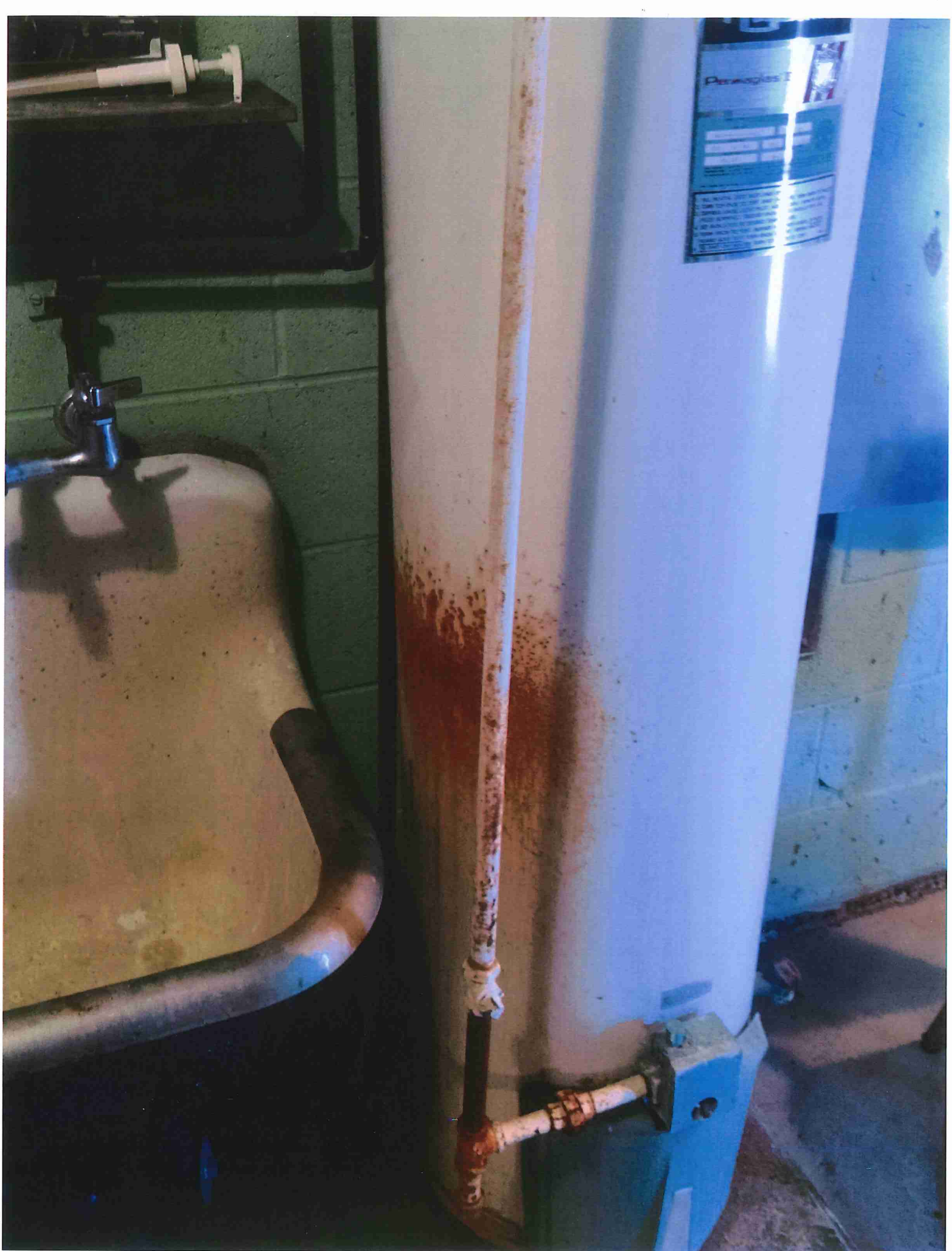
DANGER  
HIGH  
VOLTAGE

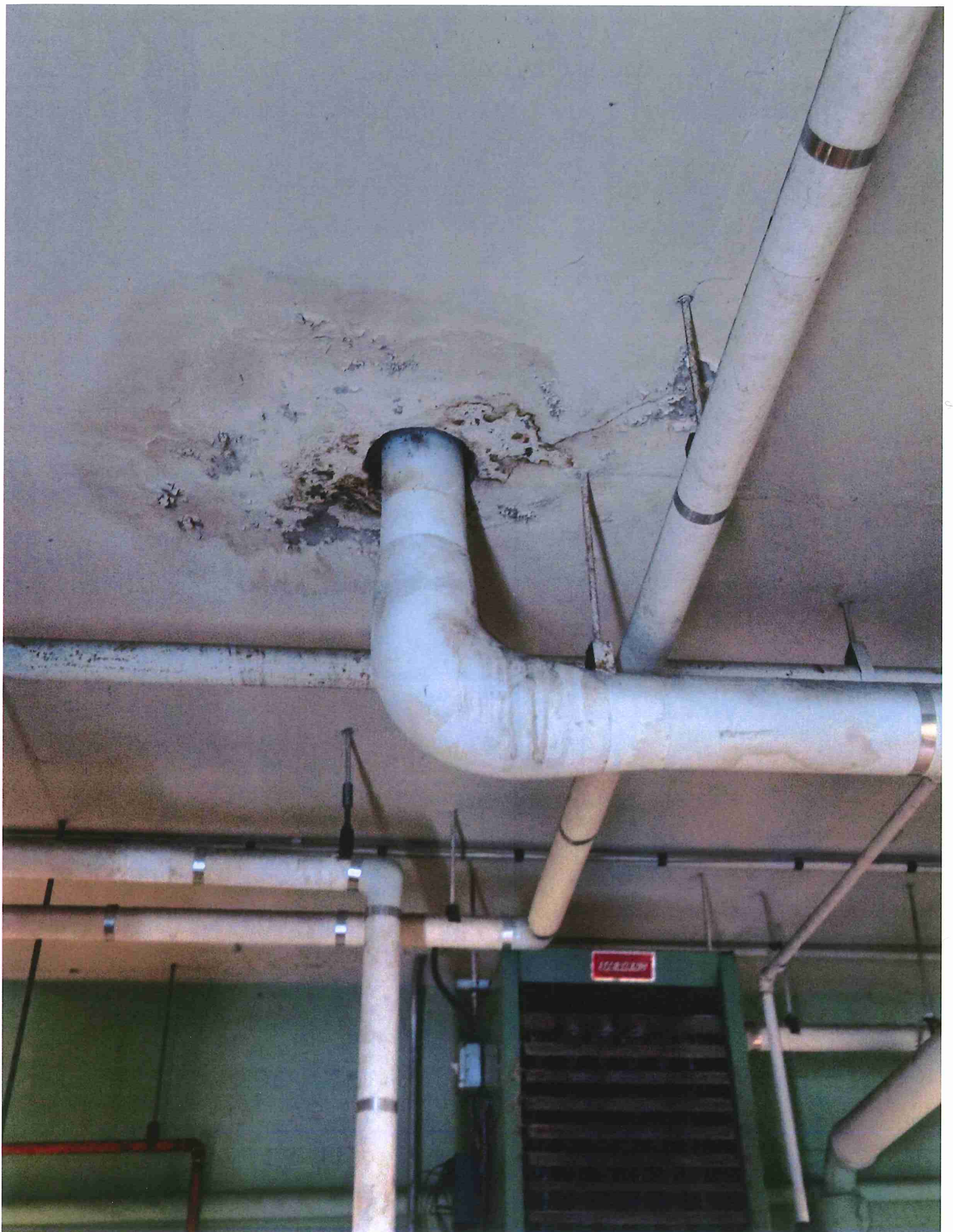
DANGER















# Metropolitan Truck Center Inc.

# Service Estimate 10821

Name	Town Of Scituate(Sewer)Dep	Company		Created	10/18/17	Year	2017
Address	161 Driftway	Address 2		Time	12:08 PM	Make	CHEVROLET
Home	Scituate, MA 02066	V.I.N.#		Promised		Model	K2500 HD
Work	781-545-8731(32)	Eng/Trans		Advisor	Paul	Lic.#	
Fax				Division	TR	Unit#	
				PD#		PH#	
				Page#	1 of 1		

### Job Description

Supply and install a (Western Mule Fold Away Crane) on customers chassis.

**Model #A-2000-WO-16-WO-17**

This is a 2000 LB. fold away bumper crane, With Aluminum Diamond Plate Cover and lower bumper enclosure.

Complete installed price will be. \$6,197.00

1074 Turnpike St. | Stoughton, MA 02072

781-344-8262 | Fax 781-344-6189 | [www.metropolitantruck.com](http://www.metropolitantruck.com)

Estimates are an approximation of charges to you, and they are based on the anticipated details of the work to be done. It is possible for unexpected complications to cause some deviation from the estimate. If additional parts or labor are required you will be contacted immediately.

Estimate Total	
Labor	\$0.00
Parts	\$0.00
Sublets	\$0.00
Subtotal	\$0.00
Tax	\$0.00
<b>Total</b>	<b>\$0.00</b>

Use one quote form per speced out vehicle. Only multiples of the same speced out vehicle can be included in each form. For options/upfits/transferred equip., each line item must be fully populated.

# VEH98 Quotation Form V.1.2



Quote Date:	10/19/2017
Quote Number:	345

Order by Date:	12/23/2017 to hold price
----------------	--------------------------

AGENCY INFORMATION	
Agency:	Town of Scituate
Secretariat:	
Department Name:	Sewer Division
Address:	161 Driftway Scituate Ma. 02066
Contact Name:	William Branton
Phone:	781-545-8736
Email:	wbranton@scituatema.gov
Unit Code (Billing):	

VENDOR INFORMATION	
Vendor Name:	Mirak Chevrolet
Address:	1125 Massachusetts Ave, Arlington
Contact Name:	Jeff Calder
Phone:	781-641-6855
Email:	jcalder@mirak.com
Vehicle Coming From (check one box):	<input type="checkbox"/> Dealer Inventory/Stock <input checked="" type="checkbox"/> Factory Order <input type="checkbox"/> Already on order for dealer inventory

VEHICLE INFORMATION			
VEH98 Vehicle #:	TRK237	Exterior Color:	G1K Deep Ocean Blue Metallic
Year:	2018	Interior Color:	H2Q Dark Ash Vinyl
Make:	Chevrolet	Engine (as quoted):	L96
Model:	4WD 2500 HD Silverado Regular Cab	Cylinders:	8
Trim Level:	WT	Primary Fuel Type:	UL Gas
Body Code:	CK25903	Secondary Fuel Type:	E85
*In case of minibid or vehicle upfit only, type in "Mini-bid" or "Upfit".			
Vehicle Quantity:	1	Contract Base Vehicle Price:	\$26,690.68

ADDED FACTORY OPTIONS AND PACKAGES (PER VEHICLE)						
Quantity per Vehicle:	Factory Code:	Description:	MSRP:	Discount %:	Contract Unit Price:	Total Per Vehicle:
	CK25903	2500 HD Silverado Regular Cab				
	L96	6.0L V8				
	MYD	6 Speed Automatic Transmission				
	1WT	Work Truck Equipment Group				
1	QXT	LT265/70R17E All Terrain Tires	\$200.00	7.20%	\$185.60	\$185.60
	PYN	17" Steel Wheels				
	AE7	40/20/40 Split Front Vinyl Bench				
1	G1K	Deep Ocean Blue Metallic Paint	\$395.00	7.20%	\$366.56	\$366.56
1	PCR	Fleet Convenience Package	\$725.00	7.20%	\$672.80	\$672.80
		Outside Heated Power Mirrors				
		Remote Keyless Entry				
		Remote Locking Tailgate				
		Power Windows				
1	VYU	Snow Plow Prep	\$385.00	7.20%	\$357.28	\$357.28
1	Z82	Trailer Equipment	\$300.00	7.20%	\$278.40	\$278.40
<b>Factory Options Total (per vehicle):</b>						<b>\$1,860.64</b>

QUOTE FORM SUMMARY			
Vehicle Leadtime to Dealer (once order placed):	Approx. 10 -12 weeks	Factory Options (per vehicle):	\$1,860.64
Upfit/Equip. Work Leadtime at Dealer:		Accessories/Upfit (per vehicle) from back:	\$0.00
TOTAL Order to Delivery Leadtime (in weeks, Executive Agencies to Westborough):		Transferred Equipment (per vehicle) from back:	\$0.00
Trade-In Information (does not apply to Executive agencies):		Contract Base Vehicle Price:	\$26,690.68
		Trade in value:	
<b>TOTAL COST PER VEHICLE (including all add-ons):</b>			<b>\$28,551.32</b>
<b>VEHICLE QUANTITY:</b>			<b>1</b>
<b>TOTAL PURCHASE PRICE (including trade in value if applicable):</b>			<b>\$28,551.32</b>





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 6/23/17 Date of Last Edit: 6/23

Project Number:	2019-422-03
Project Title:	Solids Handling Rehab
Category:	Equipment + Repair and Maintenance
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

*Replace failed and failing equipment in the dewatering building. Currently the main mixer for the sludge digester, the grinders for the sludge feed pumps, and the polymer control panel have failed and need to be replaced. The existing polymer batching system is showing signs of failure and will need to have several repairs done in order to preserve the lifespan of the system. The belt filter press will need several substantial repairs in order to remain in good operating condition in the next five years. Several other pieces of equipment such as small pumps, blowers, hydraulic and electrical controls have gone beyond their expected lifespan and will need to be replaced or can be modernized to optimise system performance. The dumb-waiter elevator in this building has also failed and will need to be repaired.*

**Benefits of Project and Impact if Not Completed:**

*Repairs are essential for the facility to continue to dewater it's sludge on-site. Not having the ability to de-water sludge at the plant will dramatically increase the costs and availability for hauling and disposal of sludge produced by the waste water treatment process. Modernization of the equipment will provide better rates of dewatering sludge and also will reduce the amount of chemicals consumed by the dewatering process. The dumb-waiter will prevent potential spills and mis-handling of chemicals while they are being moved from the receiving area to the service area.*

**Discuss Operating Budget Impact:**

*It is essential to maintain the dewatering process to prevent excessive costs associated with hauling and disposing of watered sludge. Dewatering our sludge reduces the total weight of what needs to be disposed of by up to 2,000% Modernization of equipment will allow the department to waste less on chemical addition to the dewatering process.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$0						<input type="checkbox"/> CPA	<input checked="" type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$100,000	\$100,000						
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



## William Branton

---

**From:** Bill Montanaro Jr. <billjr@wescor1.net>  
**Sent:** Thursday, October 19, 2017 4:40 PM  
**To:** William Branton  
**Subject:** Vogelsang XRipper Grinder  
**Attachments:** XRipper\_Brochure\_G20P.pdf; Wescor Vogelsang.pdf

Hi Will,

Following up on our conversation today, I have attached info on the Vogelsang XRipper Grinder. This unit is getting a lot of attention here in New England as we have installations or have sold this unit in a number of local plants (GLSD, Newburyport, Concord, Manchester NH, etc.). We can match up with a 6" inline grinder for a BUDGET price of \$30,000 which includes unit and control panel. Again, these guys are VERY aggressive currently so if you are interested in a unit in the near future, I'm sure we could dramatically reduce that price.

Hope this info helps. Please call or email me with further questions.

Thanks,

Bill Montanaro, Jr.



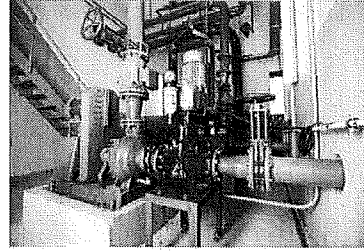
P: 508.384.8921 x4  
F: 508.384.8953  
E: [BillJr@Wescor1.net](mailto:BillJr@Wescor1.net)



## XRipper, Twin-Shaft Grinder

Wescor Associates brings you XRipper from Vogelsang, the twin-shaft grinder built for performance and designed for easy, onsite maintenance.

The industry's most powerful grinder, the XRipper is a like-for-like \*Muffin Monster® twin-shaft grinder replacement. With industry-leading features and options, professionals are switching to XRipper in order to reduce maintenance, eliminate stack tightening, and achieve improved performance.



---XRipper Line Compared to JWC Muffin Monster® ---



Buy a New Unit for the Cost of a Repair



Industry Leading 2-Year Warranty



Drop-In Design, No Reconfiguration



Repair Onsite, No Factory Rebuild

**One-Piece, Cartridge Style Cutters:**

- Fast Replacement
- No Tightening
- Higher Torque
- Longer Lasting

A full line of drop-in grinders

We'll make switching to a Vogelsang twin-shaft grinder an easy call.

- Outperforms competitors in power, size, output & max pressures
- Lower repair costs & superior warranty
- 100% repairable in the field - no need to return to the factory
- Cartridge style cutters - fast replacement, no stack tightening
- Efficient operation - extremely high torque and low power usage
- Drop-in Muffin Monster® replacement - fits in the same location without piping changes



### Contact Us For More Details

Wescor is a premier dealer of Vogelsang's twin shaft grinders and other wastewater equipment. Fill out the adjacent form to have a representative contact you regarding XRipper for any wastewater application.



**RESOURCE FILES**  
**Side-by-side Comparison:**  
**Muffin Monster® vs. XRipper**

[Click here to download.](#)

**Request More Information on the XRipper Grinder**

First Name \*

Last Name \*

Company \*

Email \*

Timing of Next Grinder Rebuild \*

Comments

\* Muffin Monster is a registered trademark of JWC Environmental, Inc. Costa Mesa, CA, USA. Vogelsang and Wescor Associates Inc. are not affiliated with JWC Environmental in any way.



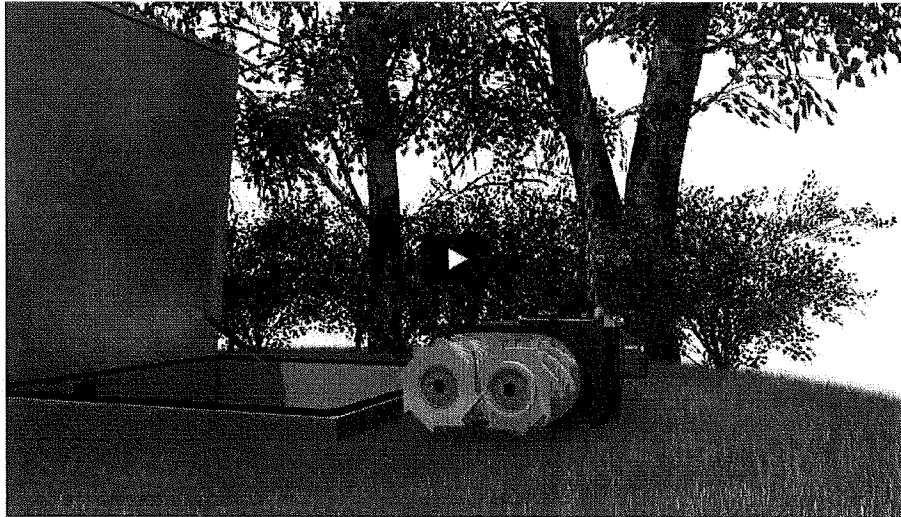
## Don't Pay for Another Expensive Factory Rebuild

Instead, contact us about XRipper, the twin-shaft grinder that is 100% serviceable onsite. With one-piece monolithic blades, and trusted block-ring seals; working on XRipper's wet-end is easy. Watch this short video demonstration featuring our in-pipe model, XRipper XRP.

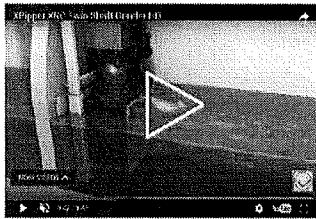


**[Video] Onsite Service Demonstration: XRipper XRP**

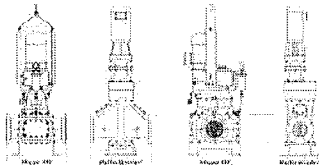
[Watch on Youtube](#)



**Need a Channel Grinder or a Lift Station model? [Check out this video](#) showing our XRipper XRC line.**



XRipper is a Drop-in replacement for JWC Muffin Monster® and other common grinder models. [View Details](#)



\* Muffin Monster is a registered trademark of JWC Environmental, Inc. Costa Mesa, CA, USA. Wescor & Vogelsang are not affiliated with JWC Environmental in any way.



**Switch to XRipper for the cost of a rebuild. Contact us to find out how.**

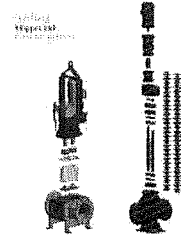
First Name \*  
 Last Name \*  
 Company \*  
 Email \*  
 Timing of Next Grinder Rebuild \*  
 Comments  
 Submit

## Twin-Shaft Grinders with individual cutter blades don't stack up to the Vogelsang Monolithic cutter design

The XRipper offers superior performance compared to other twin shaft grinders due to its unique cutting elements. Traditional twin shaft grinder cutters utilize smaller, individual blades and components that are stacked on the shaft. This traditional grinder design results in more complex maintenance, regular stack tightening and high repair costs – increasing maintenance costs and downtime.

The XRipper features two, one-piece cutting elements that are precision machined out of high-quality hardened alloy. Our grinder cutters provide long-lasting grinding performance in even the harshest solid and industrial bone grinding applications. They are also easy to replace, and do not require the removal of any connected piping or for users to send parts back to the factory.

Watch this short video to see how our monolithic cutting system compares to individual blade designs:



Vogelsang's part count compared to JWC

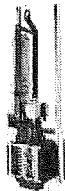
[Video] Design Overview: XRipper Monolithic Ripper Rotors

Watch on Youtube



### XRipper XRC

Grinders for Channels, Lift Stations or intake or outlet applications. [Read More](#)



### XRipper XRP

Grinders for In-Line or In-pipe applications. [Read More](#)



Switch to XRipper for the cost of a rebuild. Contact us to find out how.

First Name \*

Last Name \*

Company \*

Email \*

Timing of Next Grinder Rebuild \*

Comments

Submit

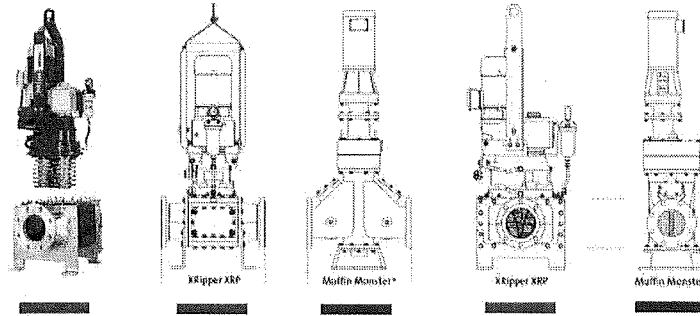
\* Muffin Monster is a registered trademark of JWC Environmental, Inc. Costa Mesa, CA, USA. Wescor and Vogelsang are not affiliated with JWC Environmental in any way.

# Find the drop-in replacement or equivalent XRipper unit that will replace your old twin-shaft grinder



With industry-leading features and options, professionals are switching from their Muffin Monster® to an XRipper in order to reduce maintenance, eliminate stack tightening, and improve performance. XRipper can also replace other common grinders in the market such as Franklin Miller Taskmaster®, Moyno®, and Sewer Chewer®.

\*Replace your old grinder for the costs of a repair (contact us below)



Drop-in XRipper Units Don't Require Changes to Your Pipe Configuration

Download these Competitor-Comparison Charts and see which XRipper model will replace your old grinder unit.



### XRipper XRC

Grinders for Channels, Lift Stations or Intake or outlet applications. [Click to Download](#)

### XRipper XRP

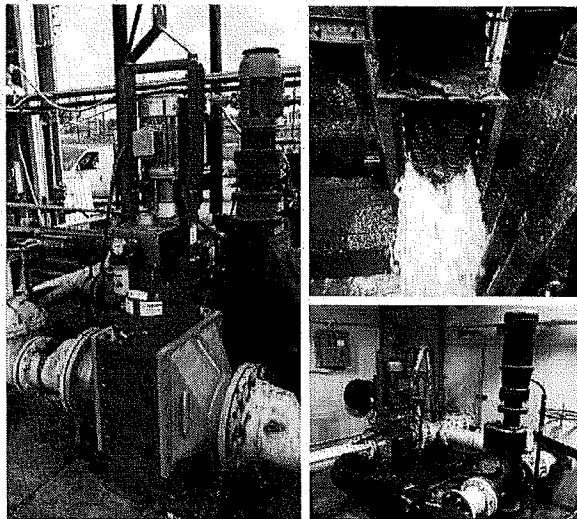
Grinders for In-Line or In-pipe applications. [Click to Download](#)

### INCLUDED

XRipper, Drop-in Units for:

- JWC, Muffin Monster®
- Franklin Miller, Taskmaster®
- Grundfos, Sewer Chewer®

## XRipper Drop-In Replacement Photos



Switch to XRipper for the cost of a rebuild. Contact us to find out how.

First Name \*

Last Name \*

Company \*

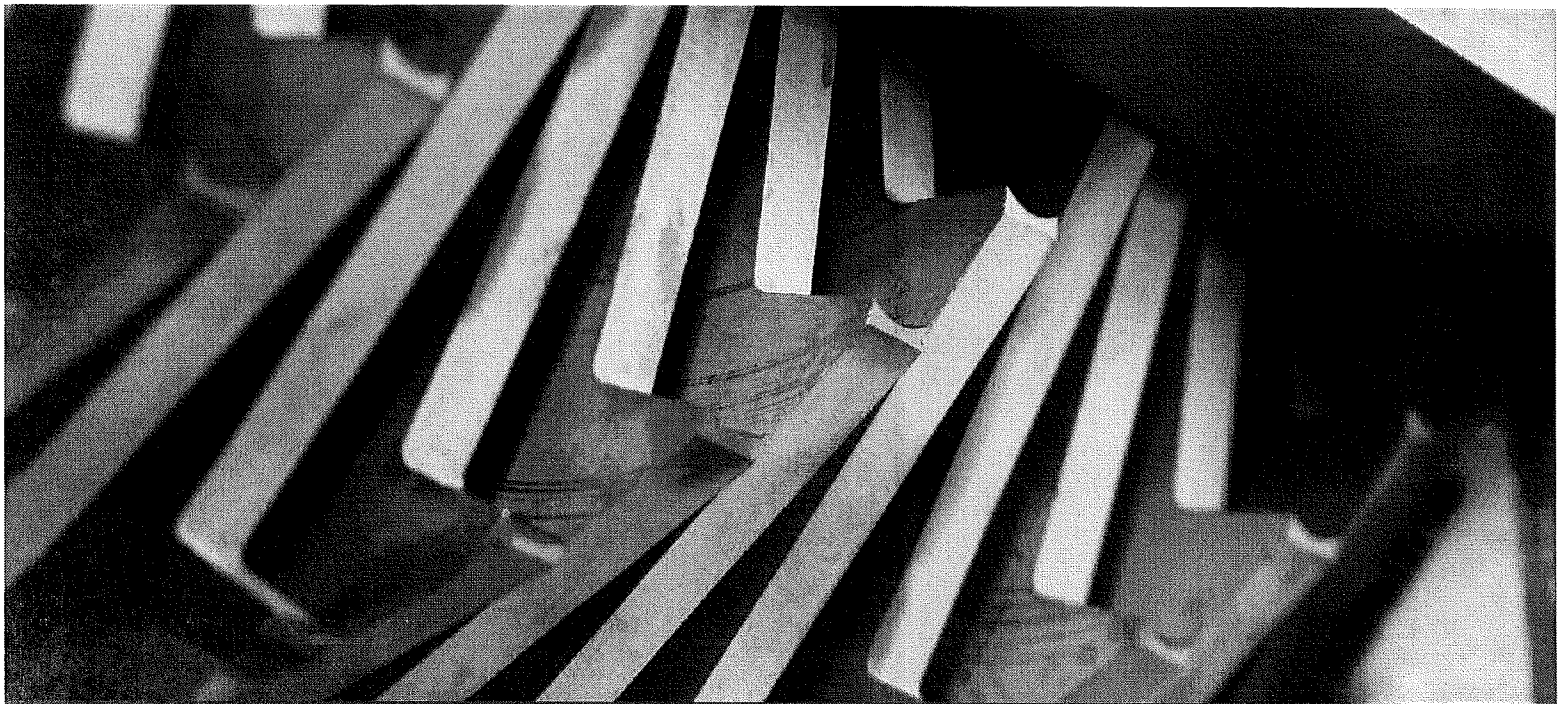
Email \*

Timing of Next Grinder Rebuild \*

Comments

\* Muffin Monster is a registered trademark of JWC Environmental, Inc. Costa Mesa, CA, USA. Wescor and Vogelsang are not affiliated with JWC Environmental in any way.

Franklin Miller Taskmaster® and Grundfos Sewer Chewer® are respective trademarks of the aforementioned companies; Wescor and Vogelsang are in no way affiliated with Franklin Miller or Grundfos.

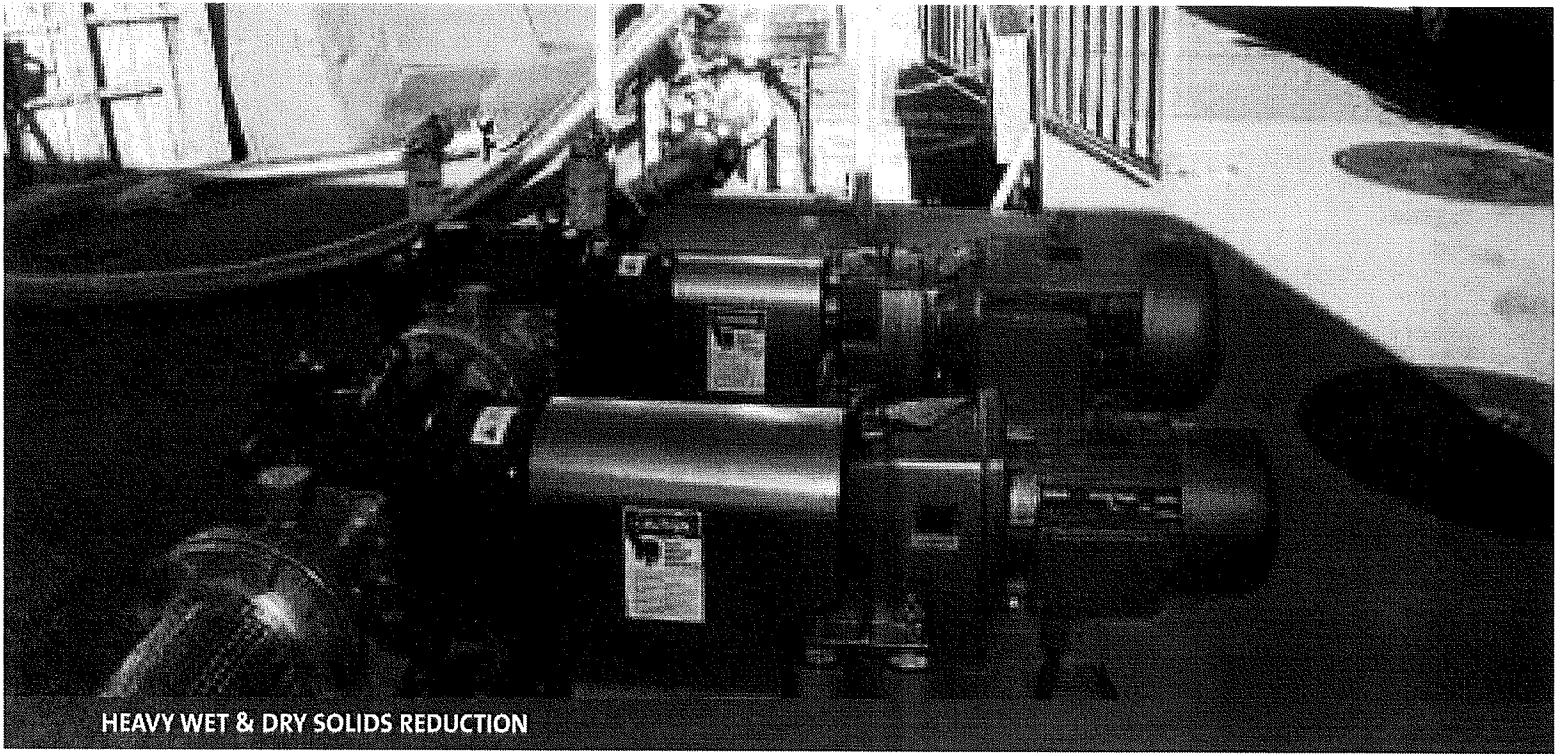


TWIN SHAFT GRINDING PRODUCTS DESIGNED FOR TOUGH APPLICATIONS

# XRipper®

Inline Wet Grinders & Wet or Dry Feed Grinders





HEAVY WET & DRY SOLIDS REDUCTION

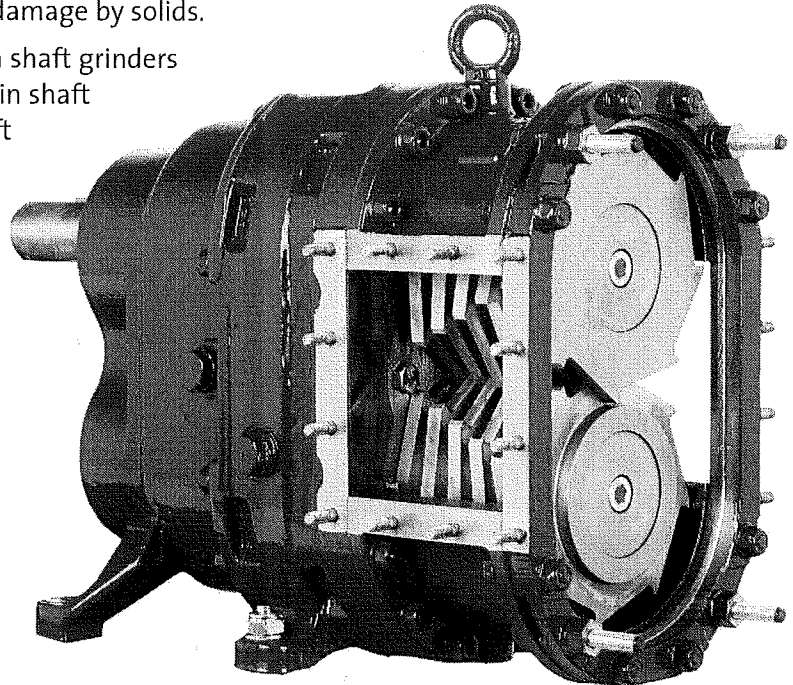
## Heavy Solids Grinding

The XRipper® twin shaft grinder effectively reduces large solids to manageable size for further solids reduction or for downstream processing equipment. It provides protection to downstream equipment from clogging and damage by solids.

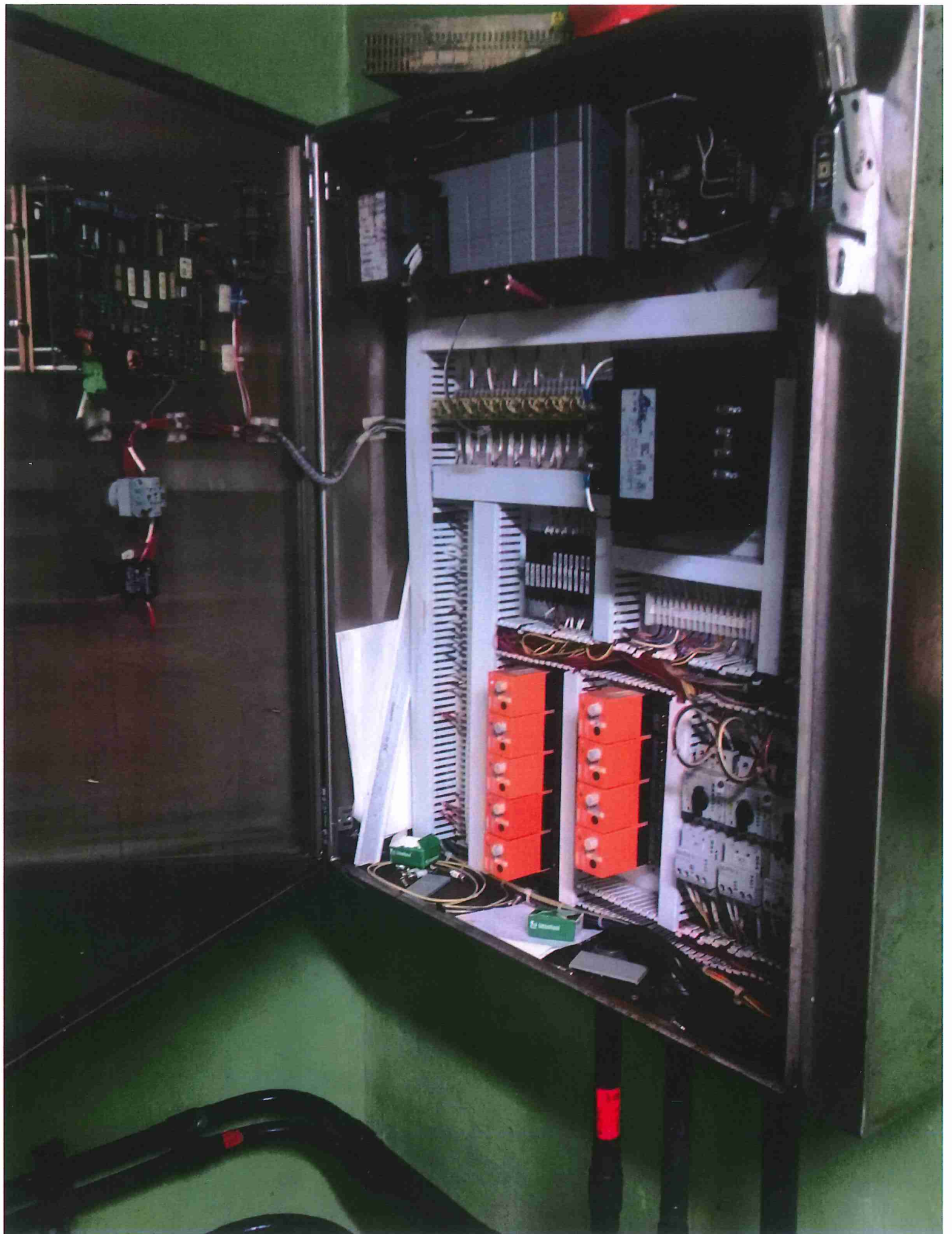
What sets the XRipper apart from other twin shaft grinders is its unique cutting elements. Traditional twin shaft grinder cutters are stacked up along the shaft using smaller individual blades and components. The main disadvantages of the traditional design is the complexity of maintenance and high cost of repair.

Periodic factory service is required to keep a traditional twin shaft grinder operating efficiently which affects maintenance costs and increases downtime.

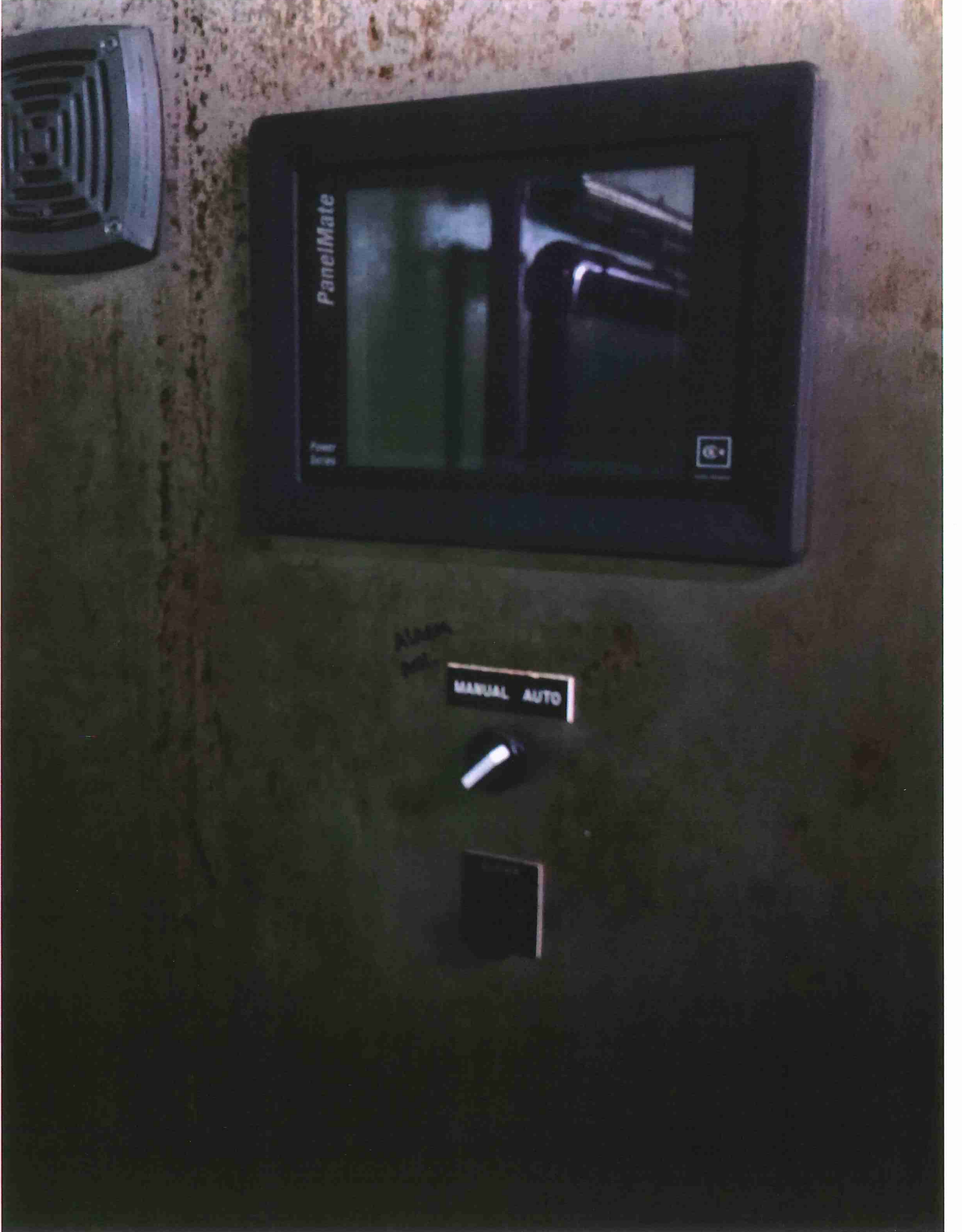
The XRipper® features solid ripper rotors that are precision machined out of high quality hardened alloy. They are not built up out of several smaller pieces like typical twin-shaft grinders. Our cutters provide long lasting grinding performance and are easy to replace without removing any connected piping or sending parts back to the factory.



XRipper® XRSQ







PanelMate

Power  
Switch



MANUAL AUTO

Alarm





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-433-01		
Project Title:	Refurbish and Paint Scale		
Category:			
Department:	Transfer Station	Contact:	Sean McCarthy
Project is:	New [ ]	Recurring [ ]	Resubmission [ X ]
	Multiyear [ ]	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Description:

Refurbish the drive-on scale at the Transfer Station. The scale is now 18 years old and in need of repair. The large drive-on scale located at the entrance to the Transfer station is used to weigh all vehicles entering with construction debris to determine cost. The scale is also used to determine debris loads following storm cleanup and weight of vendor pickups.

Benefits of Project and Impact if Not Completed:

The scale is used to determine the fee for construction debris brought to the Transfer Station for disposal. C&D is a large source of revenue for the Transfer Station. The scale is also used to determine storm debris quantities for FEMA reimbursement.

Discuss Operating Budget Impact:

General Fund

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$40,000	\$40,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$40,000	\$40,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	CPA Amount Requested	Net of CPA and Grants	CPA Purpose(s) Check all that apply				
\$0	\$0	\$40,000	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing	

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

**Sand Blast Paint the Scale at the Transfer Station**  
**Construction Estimate**

Item #	Description	Unit Cost	Unit Type	Qty.	Item Cost
1	Mobilization	1	LS	5,000	\$5,000.00
2	Sand Blaster	\$65.00	HR	24	\$1,560.00
	Sand Blast Laborer	\$55.00	HR	48	\$2,640.00
2	Painter	\$65.00	HR	24	\$1,560.00
	Painter	\$55.00	HR	48	\$2,640.00
3	Paint & Supplies	\$15,000.00	LS	1	\$15,000.00
4	Cleanup & Disposal	\$3,000.00	EA	1	\$3,000.00
				Subtotal:	\$31,400.00
				Contingency:	\$6,280.00
				<b>Total:</b>	<b>\$37,680.00</b>



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.16.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-1		
Project Title:	Valve Replacement - Creelman Tank		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ X ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

Description:

Replace three broken gate valves - one 16 inch, one 14 inch, and one 10 inch at the intersection of Mann Lot Road and Creelman Drive. These valves are 86 years old and are seized or broken. The only way to isolate (shut down) the Creelman Tank is with these valves.

Benefits of Project and Impact if Not Completed:

This project will enable us to isolate the Creelman Tank for future repairs and maintenance. It will also give us a way to shut down smaller sections of Mann Lot Road and Creelman Drive should the need arise.

If we do not replace these valves and there is a leak or main break on Mann Lot Road we will not be able to prevent water from draining out of the Creelman Tank. We would have to isolate a larger portion of the system and open hydrants to drain the tank in order to make a repair.

Discuss Operating Budget Impact:

The operating budget impact of this project will be a total of \$80,000.00 from the Water Enterprise Fund.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$80,000	\$80,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$80,000	\$80,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$80,000	\$80,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

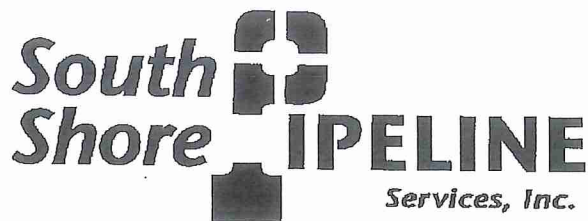
Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



Live Tapping • Pipe Cutting • Pressure Testing • Chlorination

TO: Wally  
Town of Scituate

FROM: Donna D'Amore, P.E.  
South Shore Pipeline Services, Inc.

SUBJECT: Scituate, MA  
Mann Lot Tank  
Triple Simultaneous Linestop//Single 14-inch, Single 16-inch and Single  
10-inch Linestops  
Two Gate Valve Cut-In

DATE: July 23, 2017

Thank for allowing us to provide a quotation for this project. Since this is AC pipe, the fittings cannot be ordered until you provide us with an OD of both pipes (same as if you needed insertion valves). However, I have put JCM on alert so once you have the OD, the fittings could be manufactured and shipped within two days. **Pricing reflects expedited manufacturing time. Pricing does not include freight. If we had OD's on Monday, fittings could be shipped on Wednesday.**

With respect to valve cut-in, Lead time for the 14-inch and 16-inch vertical gate valves are 5-6 working days plus 3 days in freight transit. So, if I can order everything on Monday, July 24<sup>th</sup>, SSPLS could begin and complete work week of July 31<sup>st</sup>. If we did the 10 day notification to DEP on Monday, July 24<sup>th</sup>, then actually by the time everything arrived on site, we would have the linestops all set up and ready to drop for the valve cut in.

1. Single 14-inch Bullet Head, Single 16-inch Bullet Head and Single 10-inch Bullet head Simultaneous Linestop on AC Pipe/Pressure <150 psi/ Flow < 1 fps at time of linestop insertion

Price: \$26,521.00 for the three stops to be left in Place for 1 day while SSPLS performs the valve cut in.

No deducts from price are allowed. However, there are no additional charges and no overtime charges.

Labor for Two Simultaneous Single Linestops

Provide maximum of three (3) men for three (3) days, two crane trucks and three mobilizations.

**OWNER MUST PROVIDE SSPLS WITH O.D. PRIOR TO LINESSTOP SLEEVE FABRICATION. WE UNDERSTAND THAT THE PRESSURE IS LESS THAN 150 PSI.**

2. 16-inch and 14-inch Valve Cut In Work

Labor for Valve Cut-in

Provide maximum of three (3) men for one (1) day, two crane trucks and three mobilizations. Work includes AC pipe cutting with all PPE, 10 day Notification to the Mass DEP for the AC pipe cutting, packaging the small pieces of AC pipe and the tapping coupons per DEP requirements. All work is performed by AC pipe certified employees.

Price: \$6,200.00

Materials for Valve Cut-In

See attached materials list from E.J. Prescott. SSPLS will extend the cost of these materials, with no mark up, to the Town of Scituate. The Town may choose to order them directly if they so choose.

Price: \$17,899.00

Linestop Materials

All necessary linestop fittings with completion plugs and blind flanges for each of the linestops. Linestop fittings are shop coat with alloy fasteners.

Equipment by South Shore Pipeline Services

- o All tapping and linestopping equipment including temporary valves necessary to perform the linestop.
- o Two hydraulic crane trucks, one service truck

Materials, Labor and Equipment by Others:

- o Provide a safe, reasonably dry excavation in which to work which is sheathed and protected by barricades/cones/etc. which are required for safety.
  - o All necessary labor for concrete blocking, bracing and concrete thrust supports for the linestop sleeves and piping work. Because of the size and composition of the pipe, all three sleeves will have to be concreted in utilizing 5,000 psi high early.
  - o Provide access to the linestop site as well as lighting for nighttime work.
-

- o Assistance in and out of the site for our trucks and equipment may be required and if necessary, must be supplied by the Contractor.
- o All permits as required and police details.
- o **SSPLS is a Local 721 Laborers union company. We are also a WBE/DBE company.**

**NOTE:** Linestops on pipe systems under flow can present mechanical problems in the field. The maximum flow rate for a single linestop is 1 fps and the maximum flow rate for a double linestop is 3 fps.

Payment Terms: NET 30 days/No Retainage

**Total South Shore Pipeline: \$55,620.00**

**Additional Costs:**

**Sub-Contractor Services - \$500.00/hour for 36 hours - \$12,000.00**

**Temp / Permanent Paving – 15 Tons @ \$100/Ton - \$1,500.00**

**Police Details - \$50.00/hour for 36 hours - \$1800.00**

**Project Total: \$70,920.00 \* 10% = \$78,012.00**

**Requested Funding: \$80,000.00**

SOUTH SHORE PIPELINE SER. INC.  
 P.O. BOX 293  
 1340 HANOVER STREET  
 ATTEN: DONNA  
 HANOVER, MA  
 02339

TEAM EJP Middleton, MA  
 162 No. Main Street Rte 114  
 P O Box 761  
 Middleton, MA  
 01949

Telephone: 978-777-7738

7/21/17 Bid ID: 5352006 SCITUATE, MA / 14"&16" GATES

Page 3

Quantity	Sell Per	Description	Unit Price	Extended Price
1	EA	16 MJ DI RS VALVE OL * VERTICAL, NO GEARING	5,250.00	5,250.00
✓ 1	EA	14 MJ DI RS VALVE OL * VERTICAL, NO GEARING	4,950.00	4,950.00
1	EA	FREIGHT CHARGE FLAT RATE LTL DELIVERY FROM FACTORY	950.00	950.00
* LEAD TIME: 5 TO 6 WORKING DAY A.R.O., PLUS 3 TO 4 DAYS TRANSIT TIME				
2	EA	26/36 TF VALVE BOX W/CVR 664A	116.00	232.00
2	EA	16 ONE-LOK PACK DI	162.00	324.00
2	EA	14 ONE-LOK RET GLAND FOR DI	138.00	276.00
✓ 20	FT	16 FST PIPE DUCTILE 52 CL	49.50	990.00
20	FT	14 FST PIPE DUCTILE 52 CL	48.00	960.00
2	EA	16 STYLE 262 HYMAX CPLG 17101920 * DI TO AC	998.50	1,997.00
✓ 2	EA	14 STYLE 262 HYMAX CPLG 15001710 * DI TO AC	985.00	1,970.00

=====  
45670.00

✓ = we have in stock.

Subtotal: 17,899.00  
 Tax: .00  
 Bid Total: 17,899.00





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.16.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-2		
Project Title:	Treatment Plant - Chemical Feed		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

The chemical feed system at the treatment plant is 30 years old and in very poor condition. This includes the bulk chemical feed tanks, piping, pumps, and containment area. There are currently several small leaks in the piping that cannot be repaired until the bulk tanks are replaced. At the November special meeting an article was passed to fund the design and engineering services to replace all this equipment. It is quite involved as it requires removing two concrete block walls in the rear of the building to access this equipment.

Properly installed new bulk tanks should last 15-20 years. New chemical feed pumps should last 10-15 years with proper maintenance.

Benefits of Project and Impact if Not Completed:

This project will enhance safety at the treatment plant as well as provide redundancy to the chemical feed system. It will also greatly reduce the chance of a chemical spill.

Until this work is complete we are at risk of a chemical spill (small or large) that could jeopardize the function of the plant. A chemical spill is also a safety issue for the employees and the general public since the containment system has become compromised.

Discuss Operating Budget Impact:

The operating budget impact of this project will be \$300,000 to complete.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$300,000	\$300,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$300,000	\$300,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0						
CPA Amount Requested	\$0						
Net of CPA and Grants	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

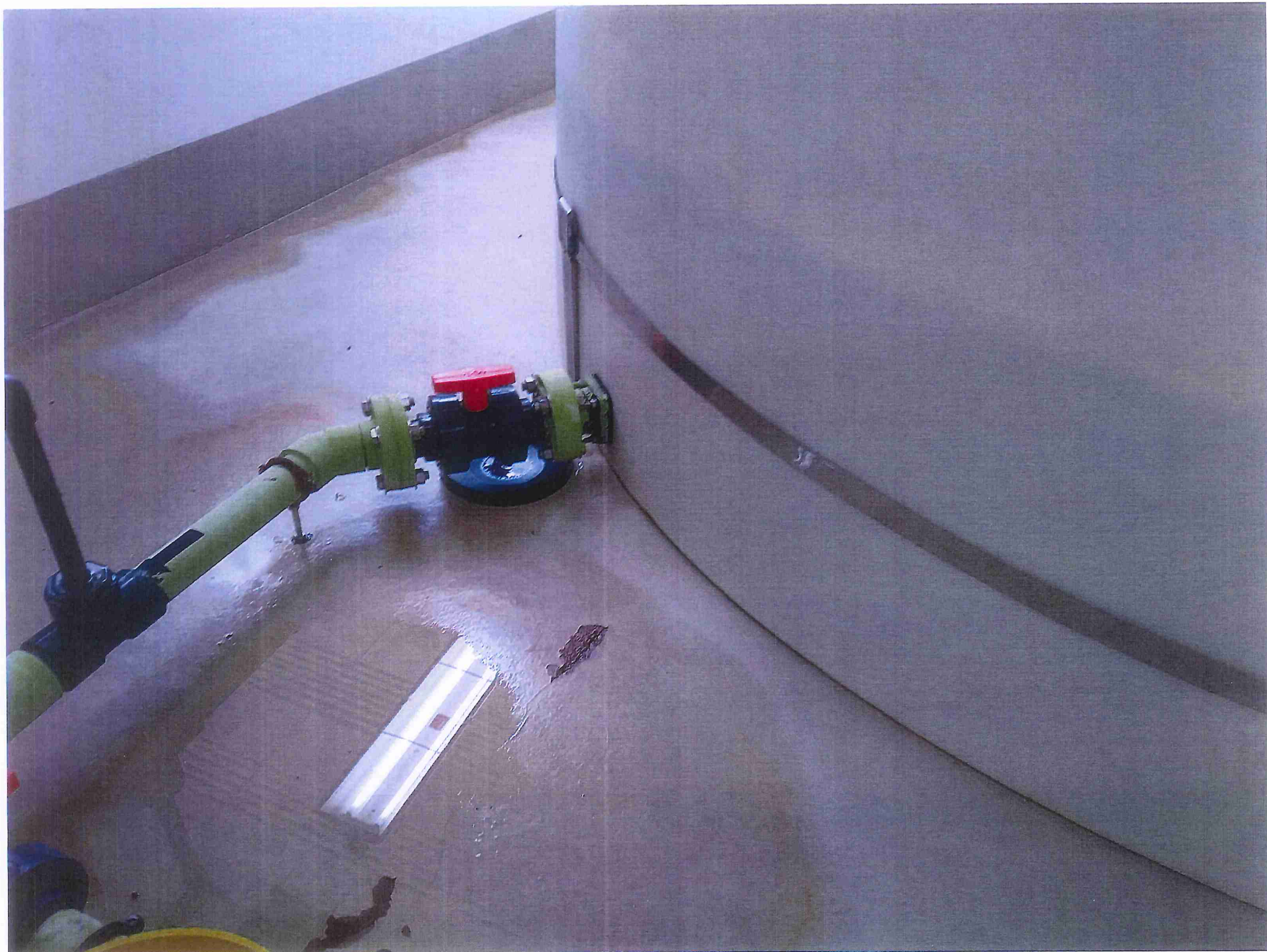
Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0						
Post-Project Annual							
Post-Project One-time	\$0						







TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11.03.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2018-450-9	
Project Title:	Truck 34, Pick-up	
Category:	Equipment	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multyear  Phase \_\_\_ of \_\_\_

Description:

Replace 2005 Chev Colorado pick-up with a new 4 x 4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 34 has been in service for 11 years and has accumulated 127,000 miles.

Benefits of Project and Impact if Not Completed:

Truck 34 has already exceeded the average lifespan for this type vehicle and is quickly nearing end of life.

This truck must be replaced as it is used daily in the field to carry tools and equipment to work sites. The current truck is light weight, does not have 4-wheel drive and is very difficult to handle in inclement weather.

The replacement for this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

Discuss Operating Budget Impact:

The operating budget impact of purchasing a new 4x4 Utility Body Truck will be a total of \$47,000.00: \$40,500.00 from the Water Enterprise Fund, and \$6,500.00 from Town for snow plow.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$53,000	\$53,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$53,000</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$53,000</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				

GENERAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2018-09-21 1:45 PM  
 Estimated Ship Date:

VIN:  
 VQNX:

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY SHERIFFS DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYNHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Plow - ADD \$6500

Vehicle:

2017 2600 TRADESMAN REG CAB 4X4 (140 In WB 8 FT 0 IN box) (DJ7L62)

Model:	Sales Code	Description	MSRP (USD)
Package:	DJ7L62	2600 TRADESMAN REG CAB 4X4 (140 In WB 8 FT 0 IN box)	34,895
	2FA	Customer Preferred Package 2FA	0
	ETK	8.7L I6 Cummins Turbo Diesel Engine	9,100
	EG7	6-Spd Automatic 68RFE Transmission	0
Paint/Seal/Trim:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl AD/20/40 Bench Seat	195
	*XB	Black/Diesel Gray	0
Options:	4DH	Prepaid Holdback	0
	AES	Delivery Allowance Credit	0
	MAF	Fleet Purchase Incentive	0
	UAI	Uconnect 3.0	195
	XAC	ParkView(TM) Rear Back-up Camera	245
	MRT	Chrome Tubular Side Steps	525
	DBA	Anti-Spin Differential Rear Axle	395
	ACL	DOT Certified Roadside Safety Kit	195
	XXS	Uconnect Electronic Module (VSM)	325
	XMF	Spray In Bedliner	495
	ENJ	Fog Lamps	195
	CHL	Auxiliary Switches - w/PM Mounted	145
	AED	Chrome Appearance Grille	895
	PK3	Elec Shift-Down-Thr-Fly Transfer Case	270
	AJH	Power and Remote Entry Group	735
	APE	Cold Weather Group	95
	SPQ	Power Black Trailer Tow Mirrors	195
	XHC	Traction Brake Control	280
	AHD	Heavy Duty Snow Plow Prep Group	135
	5N8	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	132	Zone 32 - New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid - Eligible For Incentive	0
Bid Number:	TB7068	Government Incentive	0

\$39,581.00 + 6500 ~ \$46,081 ~ 47K

Note: This is not an invoice. The prices and equipment shown on this price order confirmation are tentative and subject to change or correction without prior notice. No claims against the contract, dealer or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-8		
Project Title:	10 Year Meter Replacement Program		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [X] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Ten year meter replacement program is to replace old and damaged meters that are not capturing all water usage. Replacements are e-coder (transmitter) radio read meters. They are more accurate and store 99 days of water usage history. This is helpful in diagnosing high water bill complaints.

Benefits of Project and Impact if Not Completed:

Replacement of the old water meters with intergrated e-coder meters benefits the consumer as well as the town. The new meters are more accurate, do not require a touch pad on the outside of the home, can store past usage data, and are less labor intensive. The e-coders drastically reduce time spent installing as well as reading meters.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$175,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.12.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-3	
Project Title:	Truck 37, Chevy Van	
Category:	Equipment	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ X ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

**Description:**

Replace 2006 Chevy Van, Truck 37, with a new 4 x 4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 37 has been in service for 11 years and has accumulated 178,716 miles. It cannot be driven at this time.

**Benefits of Project and Impact if Not Completed:**

Truck 37 has already exceeded the average lifespan for this type of vehicle. The gas tank strap broke and the body is in such poor condition that it cannot be repaired.

This truck must be replaced as it was used daily in the field to carry tools and equipment to the work site.

The replacement of this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, and add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

**Discuss Operating Budget Impact:**

The operating budget impact of purchasing a new Heavy Duty 4 x 4 Utility Body Truck will be a total of \$65,000.00 from the Water Enterprise Fund.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000	\$65,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$65,000	\$65,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$65,000	\$65,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

# CENTRAL



Shipping 10.10.16 - schedule

June 21, 2016

Mr. Kevin Cafferty  
Town of Scituate Department of Public Works  
Highway Department  
68 Captain Pierce Road  
Scituate, MA 02066

Mr. Cafferty,

Attached please find a quote specification page for a 2017 Dodge Ram 5500 Regular Cab Chassis 4X4 with a 6.7 Diesel Automatic Transmission in True Blue which is based on a factory order. Order to dealer delivery should be approximately 120 Days.

Plymouth County Bid Price: \$46,228.00

JC Madigan 9 Foot Dump \$ 7,695.00 – Also see options listed for Dump Body – add as desired.

BID PRICE \$53,923.00  
Plus Reg Sticker & Delivery \$ 369.00 if desired.

Should you need any further information, please let me know.

Sincerely,

Deborah Emery  
Fleet Manager

\$54,292	Truck
6,500	Plow
<hr/>	
60,792	
x 1.05	Price Escallation
<hr/>	
\$63,831	

Total Cost ~ \$65,000.00



37



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
WATER DIVISION

10/2/17

178,716

~~NOV 4 2016~~ - mileage = ~~169,510~~

2006 Chevy 2500 Van



178716

TRIP  
HOLD TO  
RESET



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2017

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10.31.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-5	
Project Title:	New Treatment - Well 17 A	
Category:	Design / Construction	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase 2 of 3

**Description:**

Money was appropriated at the April 2016 Town meeting to perform design and engineering services to perform a pilot test on new treatment at Well 17 A. This work has been completed and as well as a 60% design of the new facility.

Engineering services are needed to finish the design of the new Greensand Filtration Plant including advertising and bidding services.

The final phase will be the construction of a new Greensand Filtration Plant to remove iron and manganese at well 17 A.

**Benefits of Project and Impact if Not Completed:**

Water from well 17 A is currently pumped 3 miles to Old Oaken Bucket Pond to be mixed with surface water. Some of this water then goes through the Old Oaken Bucket Treatment Plant. Some of this water is lost to evaporation and some to streamflow releases. Treating Well 17 A on-site with Greensand Filtration will provide clean drinking water directly into the distribution system. This will increase the capacity of our wells and reduce our dependency on our reservoir and treatment plant.

Last years drought taught us how important our wells are to meet our water needs. Any increase in well production into our distribution system helps us to meet current and future water needs. If we do not invest in filtration at well 17 A we could find ourselves in even harder times during a severe drought.

**Discuss Operating Budget Impact:**

The operating budget impact of the Engineering services will be \$1,259,000. The operating budget impact of the construction phase for new Treatment at Well 17 A is \$5,722,000 from the Water Enterprise Fund.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$1,259,000	\$1,259,000					<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,722,000		\$5,722,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$10,000		\$10,000				<input type="checkbox"/> Free Cash
Other	\$9,000		\$9,000				<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$7,000,000</b>	<b>\$1,259,000</b>	<b>\$5,741,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$7,000,000</b>	<b>\$1,259,000</b>	<b>\$5,741,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.12.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-4		
Project Title:	Truck 33, Pick-up		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ X ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Replace 2006 Chevy Silverado utility pick-up, truck 33, with a new 4 x 4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 33 has been in service for 11 years and has accumulated 159,134 miles. It cannot be driven at this time.

Benefits of Project and Impact if Not Completed:

Truck 33 has already exceeded the average lifespan for this type of vehicle. It will not currently pass inspection and requires extensive work to safely keep it on the running. Some of the repairs needed include - brake work, new radiator, suspension work, new exhaust system, new seat, etc.

This truck must be replaced as it was used daily in the field to carry tools and equipment to the work site.

The replacement of this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, and add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

Discuss Operating Budget Impact:

The operating budget impact of purchasing a new 4 x 4 Utility Body Truck will be a total of \$51,000.00 from the Water Enterprise Fund.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$51,000	\$51,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$51,000</b>	<b>\$51,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$51,000</b>	<b>\$51,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

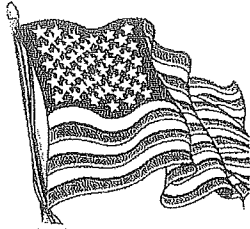
Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



# Liberty Chevrolet

Scituate Department of Public Works, Water Division  
4 Old Oaken Bucket Road  
Scituate, MA 02066  
Attn.: Sean Anderson, Water Superintendent

July 11, 2017

Dear Mr. Anderson,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract #18-19-20, with the Plymouth County Commissioners. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

Item #28 2017 Chevrolet Full Size K2500 4x4 Silverado Pick up  
 133" Wheelbase, Long Bed, 9,500 LBS GVWR Pick up  
 6.0 Liter V8 E85 Capable, 360 HP with Oil Cooler  
 6 Speed Automatic Transmission with Oil Cooler  
 150 Amp Alternator, 720 CCA Battery  
 Automatic Halogen Headlights with Daytime Running Lights  
 Heavy Duty Handling/Trailering Suspension Package  
 Front Chassis Mounted Recovery Hooks  
 Four Wheel Anti-Lock Front and Rear Disc Brakes  
 (5) LT245/75R17E All Season Radials with Full Size Spare  
 Manual Folding OSRV Mirrors  
 Vinyl Trim, 40/20/40 Split Bench Seat with Center Fold Down Armrest  
 Heavy Duty Vinyl Floor Mat  
 AM/FM Stereo with Digital Clock  
 Tilt Steering Wheel and Cruise Control  
 2 Dash Mounted Auxiliary Power Outlets  
 Factory Air Conditioning  
 Factory Gauge Package with Tachometer and Tire Pressure Monitor  
 Driver Information Center

	Manual Windows and Door Locks	\$27,587.65
QXT	LT265/70R17E All Terrain Radials	\$ 200.00
PCR	Work Truck Convenience Package	\$ 725.00
VYU	Factory Snow Plow Prep Package	\$ 385.00
DPN	Electric Remote, Heated Trailering Mirrors	\$ 350.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
8S3	Back Up Alarm	\$ 138.00
	Less 3% Discount for Factory Options	\$ (62.19)

Additional Contract Options:

1786	8' Utility Body for SRW Chassis	\$ 7,200.00
1794	Paint Utility Body to Match Chassis	\$ 1,500.00
1900	Spray-in Type Bedliner for Utility Body	\$ 900.00
1911	Class III Receiver Hitch	\$ 350.00
1913	Slide-in Combination Pintel/Ball Hitch	\$ 157.00
1914	Wiring Harness and Trailer Plug	\$ 148.00

**TOTAL DELIVERED PRICE \$39,853.46** *Plow* \* 10% + 6.500 ≈ 51K



## FIXED ASSETS

### USEFUL LIFE - RECOMMENDED GUIDELINES SUMMARY

This listing, a condensed version of the more specific schedule, reflects a range of estimated life used by several counties for depreciation purposes. It is not intended to be an all inclusive list of specific equipment. Your county's schedule should reflect not only the purchase price but also consideration of the rental hours and costs added for these particular types of equipment so that expenses of such are recouped within the depreciation time period. The determination of estimated life is based upon these tables and the County's own experience and professional opinion.

<u>Equipment Types</u>	<u>Estimated Life (Yrs)</u>
Attachments -Mounted and Pulled	5 - 15
ATVs - All Classes	5 - 8
Autos - Vans	5 - 8
* Bituminous Maintenance Equipment	5 - 10
Compressors	7 - 10
* Concrete Maintenance Equipment	5 - 10
Conveyors-Stackers	5 - 10
Forklifts - Skidsteers	5 - 10
Generators - Engines	5 - 10
Heavy Equipment	10 - 15
(includes specialized equipment for specific road maintenance procedures)	
Hoist / Lift - not attached to bldg. or unit	5 - 10
Pickups	5 - 8
Plant - Crushing , Screening ,Washing	15 - 20
Salt Brine Systems	8 - 10
Small Maintenance Tools	3 - 5
(Saws, Jack Hammers, etc. often holding a number just to allow cost recovery)	
Steamers	5 - 8
Tractors	10 - 15
Trailers, large	8 - 15
Trailers - Pup, belly dump, flatbeds	7 - 12
Trailers, small	5 - 10
Trucks,	7 - 12
(Tandems and single axle trucks over 1 Ton)	
* Turf Establishment & Maintenance Equipment	5 - 10
Water Tanks	6 - 8
Wood Chippers	8 - 10

\* Includes specialized equipment not large enough to be considered "Heavy Equipment"

Many small equipment items that do not meet the capitalization threshold for a county are listed on the asset list for the purpose of recouping maintenance funds. These items can be expensed in the year purchased.

Broad categories have been used in the list to allow the list flexibility and longevity. The county can use the categories and life spans that best fit thier situation.



3-3

2006 Chev Silvarado  
mileage ~~48,164~~ 159,234  
(9/30/16) 1016117



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
WATER DIVISION









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-9-16

Date of Last Edit: 10-30-17\_\_

Project Number:	FY 2019-298-01		
Project Title:	Replacement Boat Unit 3 with Fire Pump and Fire Monitor		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	__	of	__

**Description:**

The request is for a replacement boat for the existing Parker model year 2000 Unit 3, Unit 3 was originally purchased used from the Marshfield Harbormaster's office. Unit 3 is a very important boat in our fleet as is the boat that carries the fire pump. We've been spending a fair amount of our budget trying to maintain the engines, model year 2009. Today Unit 3 itself also has stress cracks and the transom has delaminating issues and is nearing end of life. The boat I am requesting would regularly be operated by the Harbormaster's Department for routine patrols, and operated exclusively by harbormaster personnel. If a boat fire were to occur the Harbormaster personal would operate the boat and the fire department would operate the fire apparatus, fire pump and fire monitor, to extinguish the fire in a team effort.

**Benefits of Project and Impact if Not Completed:**

Throughout this summer we continued to have problems operating the unit 3 as the unit 3 has model year 2009 engines, we've replaced one lower unit last fall and need to replace one this year, we have also replaced oil pumps, fuel pumps and other costly items. As well as having issues keeping the fire pump operational as this pump wasn't specifically made for marine environment. Between the marinas and boats on moorings there is an estimate of value of \$50 million in boats. And there are approximately 2000 boats on the Scituate waterways. The boat I'm recommending would have approximately a 20 year lifespan before a replacement engine would be necessary.

**Discuss Operating Budget Impact:**

At some point we will have to replace engines on Unit 3, along with the electronics and make costly repairs to the hull, and still not have the platform for heavier sea conditions. As well as if there were a marina fire with the fire pump that we have today it could have catastrophic consequences which would affect the budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$430,000						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$430,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply <input type="checkbox"/> Open Space <input type="checkbox"/> Recreation <input type="checkbox"/> Historical <input type="checkbox"/> Housing
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

<b>Operating Budget Impact</b>	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

**SW Boatworks**  
358 Douglas Highway  
Lamoine ,Maine 04605

**Model / Length:** 34 Calvin

**Type of Boat:**

Right Hand  
Other Law Enforcement

**Hull:**

2" Lift Kit  
Solid Glass No Core  
Polyester  
Vinylester Skin Coat

Color White  
Barrier Coat

**Bottom Painted:**

Type: Pettit  
Color: TBD  
Coats: 2

Boot Top Color TBD  
Sissy Stripe Space Between Water Line And Boot top 1"  
Bow Thruster  
12 Volt Electric

Side Power SE/60/185T-12Vlt

Prop Clean Out

**Top:**

Molded  
Raised  
Lobster Style  
Top Glassed On  
Color White  
Visor  
Port Light Windows

4 Beckson

House Back

Closed With A Door

Bomar Slider Full Size Annodized

**Wheel House:**

Raised Salon Sport Fish Cruiser

Windows

Bomar 12 Windows Total  
2 Sliders  
2 Tipouts  
8 Fixed

Small Flush Mount    Salon

**Salon:**

Engine Under Floor

Raised Salon Floor    Sport fish/Cruiser

Floating Floor For Quietness

Hatches    Drop In Non Watertight    4

Non Skid Finish

Color    TBD    Light Gray

**Grade Of Finish:**

Commercial, Rolled

**Decks / Wash Rails:**

Framing Material

3" I Beam

Deck Material    T 92 -320

Non Skid Finish:

Color    Light Gray

**Cockpit**

Non Skid Finish

Color    Light Gray

Hatches

Water Tight    2  
Bomar

2 24x24

Fuel Fill Deck Hatches

2 Bomar 10" Cast Aluminum

Fish Hold

1 Centerline

Pump Out Only With Johnson Macerator Pump

Open Stern

Tail Gate

Ladder

Open Under Rails

**Engine:**

Type / Horse Power

QSC 8.3 500 Hp    Block Heater

Transmission / Ratio

Twin Disc 5075A 2:1 Ratio With a live PTO

Controls:

Kobelt    **Heavy Duty**  
Long /Short T Handles  
33 Cable Adapters  
Neutral Safety Switch

33C Cables

2

**Drive Train:**

Shaft    Aqua met 22 Stainless Steel

## Engine/Seawater Cooling Systems

### Sea Cocks

2" 1 Pacer  
2.5" 1 Main Eng

### Thru Hulls Without Nuts

2" 1 Pacer  
2.5" 1 Main Eng

### Sea Strainer

2.5" 1 Main Eng

### Scoop Strainer

3/8-1/2" 1 Shaft Tank  
2.0" 1  
2.5" 1

### Hoses

### Ball Valves

Check Valves 2"

## Steering:

### Stations

Single

### Class Two Power Steering

Stainless Steel 1

### Steering Wheels

Destroyer 15"

Dual Ram : Bronze sub plate

Dual Ram S/S

V10 Pump

Filter

## Hydraulics:

TBD Not Priced Awaiting For Information

### Tank Filter Assembly:

24Gal  
Large Filter 10 Mic

### Oil Cooler:

2"

## Engine Compartment:

### Engine Beds:

S/S

Soft Mounted

Noise Insulation 3" Deck 2" Bulkheads / Hull Sides

Perforated Aluminum White

## Exhaust:

### Wet

8" Main Engine  
Stainless Steel Thru Hulls  
8"

Muffler Soundown With Drain

### Louvered Vents

Aluminum, Not Painted

Bow Rail  
Stainless Steel Firemans Cage TBD Not Priced

Bow Roller QR 30

Bow Bit S/S

Chocks

Suncore 9"

Flag Pole On Mast

### Construction Materials:

Aluminum

Hardware Hinges / Latches etc.

Fasteners

Plumbing Fittings

Fiberglass Materials

Building Supplies

Sanding Materials

Hydraulic Fittings

Hydraulic Hoses

Plumbing Hoses

Heater Hoses

Sanitation Hose

Bilge Hose

Clamps

Starboard 3/4" / 1/2 "

Thru Hulls

Thru Hull Fittings

Valves

Freight

### Construction panels:

Main Bulkhead

Accommodation Bulkheads

Seats etc.

### Safety Equipment:

Owner Supply Except What Is Listed Below

Fire Extinguishers

2 2.5lb

2 10lb

2 10lb Bracket

Bilge Pumps

1 Lazerette 1100GPH

1 Engine Room working Pump 5GPM

1 Engine Room Emergency Pump 2000GPH

1 Focsal Pump 2000GPH

High Bilge Alarms

3 Rule

Float Switches

3

Bilge Pump Switches Auto

3

On-Off Emergency Pump

1

CO2 Alarm

Fireboy

Town of Scituate  
 Capital Plan - FY19 Not Recommended  
 Criteria Points-Summary  
 Sorted by Year, Fund & Department

1/12/2018, 3:57 PM

Total	Project	Department	Year	Fund	Request	Est. Cost Total	CRITERIA						SCORE						Comment
							A	B	C	D	E	F	A	B	C	D	E	F	
47	MS4 Compliance	DPW - Engineering	2019	GF	\$ 50,000	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
26	#42 2002 Ford Van	DPW - Engineering	2019	GF	\$ 35,000	\$ 35,000	1	2	1	3	0	1	4	8	3	9	0	2	
40	Replace Truck 2-9 3/4 Ton w/plow*	DPW - Grounds	2019	GF	\$ 45,000	\$ 45,000	1	2	4	4	0	2	4	8	12	12	0	4	
39	Gates School Field Repair*	DPW - Grounds	2019	GF	\$ 56,870	\$ 56,870	1	3	4	3	0	1	4	12	12	9	0	2	
38	Replace #2-0 1999 Ford 250 Pick-up	DPW - Grounds	2019	GF	\$ 50,000	\$ 50,000	3	2	1	3	0	3	12	8	3	9	0	6	
23	Replace #2-8 - 2007 Chevy 3600 Dump Truck	DPW - Grounds	2019	GF	\$ 65,000	\$ 65,000	1	2	1	2	0	1	4	8	3	6	0	2	
52	Replace 1983 Int'l Flatbody Dump #1-6 with 10 wheel dump truck with 14 yard sander/plow	DPW - Highway	2019	GF	\$ 180,000	\$ 180,000	1	2	4	4	4	4	4	8	12	12	8	8	
21	Replace #1-8 2006 Chevy Pick-up w/ plow	DPW - Highway	2019	GF	\$ 50,000	\$ 50,000	1	2	0	1	0	3	4	8	0	3	0	6	
29	Glades Road Sidewalk	DPW-Highway	2019	GF	\$ 43,000	\$ 43,000	1	2	1	4	0	1	4	8	3	12	0	2	
14	Replace Facilities Director Vehicle	Facilities	2019	GF	\$ 26,000	\$ 26,000	1	0	1	1	0	2	4	0	3	3	0	4	
10	Replace 2005 Admin Vehicle	Fire	2019	GF	\$ 48,825	\$ 48,825	1	0	0	0	0	3	4	0	0	0	0	6	
45	Replace Wampatuck School Playground*	School	2019	GF	\$ 120,000	\$ 120,000	1	2	5	4	0	3	4	8	15	12	0	6	CPC application filed
39	Capital Lease of School Buses Buyout*	School	2019	GF	\$ 228,000	ongoing	1	2	3	4	0	3	4	8	9	12	0	6	
30	Resurface Asphalt Drives & Parking-H,C,W	School	2019	GF	\$ 266,530	\$ 964,498	1	2	1	3	0	3	4	8	3	9	0	6	
17	Replace Interior Fire Doors at Wampatuck School*	School	2019	GF	\$ 70,000	\$ 70,000	1	2	1	0	0	1	4	8	3	0	0	2	
54	Replacement of High School Track	School/Recreation	2019	GF	\$ 1,917,695	\$ 1,917,695	1	4	4	4	1	4	4	16	12	12	2	8	CPC application filed
73	Infiltration/Inflow	Sewer	2019	S	\$ 4,900,000	\$ 20,000,000	5	4	4	3	4	4	20	16	12	9	8	8	
62	SCADA Upgrade Phase 3A*	Sewer	2019	S	\$ 220,000	\$ 220,000	5	3	3	3	4	2	20	12	9	9	8	4	
43	Assessment of Wastewater Treatment Plant*	Sewer	2019	S	\$ 65,000	\$ 65,000	5	3	3	0	0	1	20	12	9	0	0	2	
44	Crack Seal & Pavement Markings	Transfer Station	2019	TS	\$ 40,000	\$ 40,000	5	2	1	3	0	2	20	8	3	9	0	4	
65	Clean & Line Water Mains	Water	2019	W	\$ 1,000,000	ongoing	5	3	4	3	4	2	20	12	12	9	8	4	
55	Emergency Generator at Well #11	Water	2019	W	\$ 90,000	\$ 90,000	5	2	4	3	0	3	20	8	12	9	0	6	
51	Expanding Reservoir Capacity	Water	2019	W	\$ 1,790,000	\$ 1,790,000	5	3	2	3	1	1	20	12	6	9	2	2	
59	Replacement of Docks & Gangways Cole Pkwy Marina	Waterways	2019	WW	\$ 250,000	\$ 250,000	5	3	4	3	0	3	20	12	12	9	0	6	
47	Replace 2007 Harbormaster Vehicle	Waterways	2019	WW	\$ 43,000	\$ 43,000	5	2	1	2	4	1	20	8	3	6	8	2	
41	New Unit 4 for North/South Rivers	Waterways	2019	WW	\$ 35,000	\$ 35,000	5	2	2	1	0	2	20	8	6	3	0	4	
36	Aquaculture Plan	Waterways	2019	WW	\$ 49,900	\$ 49,900	5	2	2	0	0	1	20	8	6	0	0	2	

**FY19 Total \$ 11,734,820**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-411-01		
Project Title:	MS-4 Stormwater		
Category:			
Department:	Engineering	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

MS4 (Municipal Separate Storm Sewer System) - Annual updates to the existing stormwater system needed to comply with US Environmental Protection Agency NPDES General permit for Stormwater Discharges

**Benefits of Project and Impact if Not Completed:**

MS4 (Municipal Separate Storm Sewer System) - Annual updates to the existing stormwater system needed to comply with US Environmental Protection Agency NPDES General permit for Stormwater Discharges

**Discuss Operating Budget Impact:**

*General Fund* : Small Improvement projects are selected annually throughout Town

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

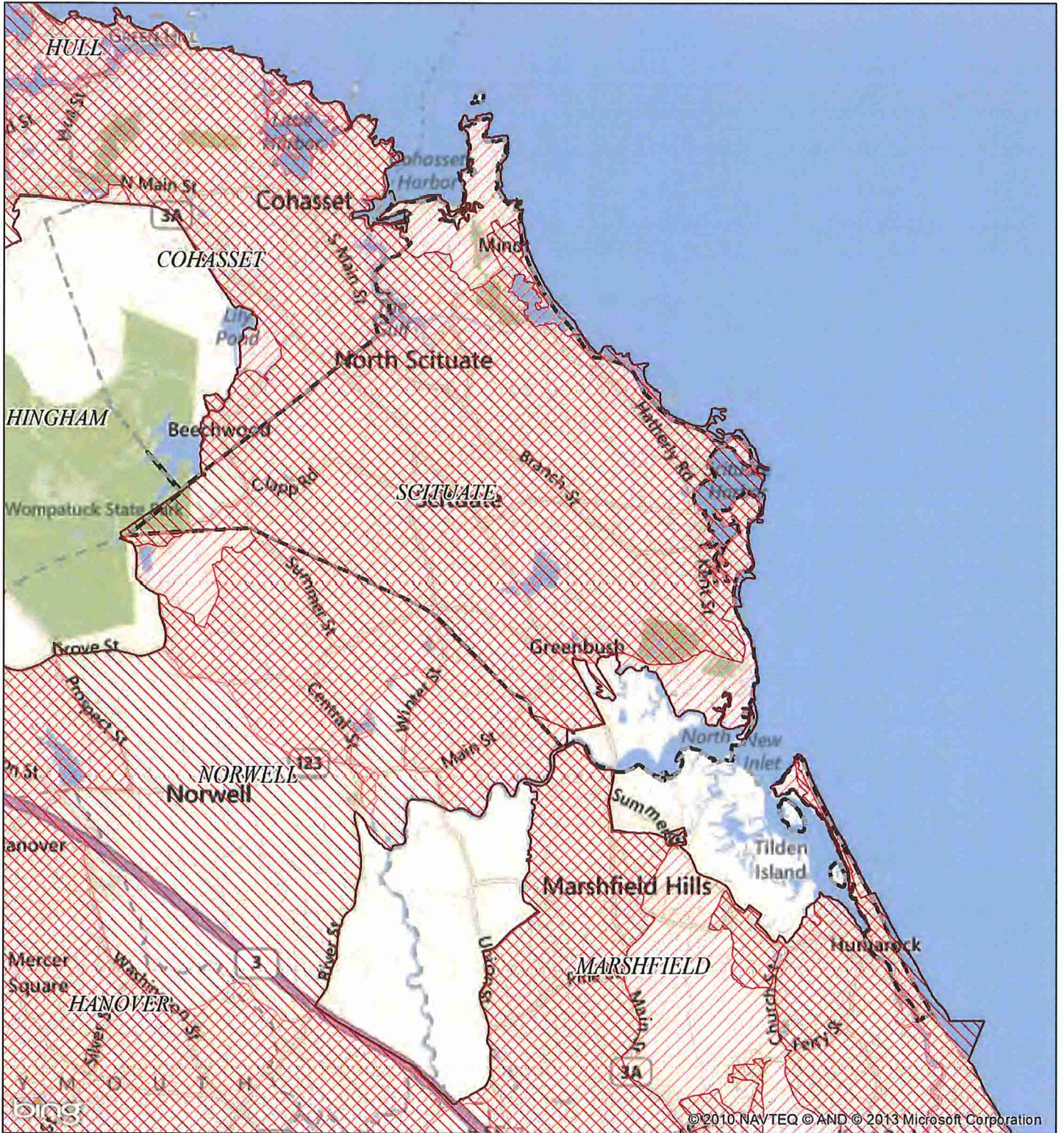
Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



NPDES Phase II Stormwater Program  
Automatically Designated MS4 Areas  
**Scituate MA**

Town Population: **17654**  
Regulated Population: **17353**  
(Populations estimated from 2010 Census)

Regulated Area:



Urbanized Areas, Town Boundaries:  
US Census (2000, 2010)  
Base map © 2013 Microsoft Corporation  
and its data suppliers





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/11/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-411-03		
Project Title:	Engineering Vehicle		
Category:	Survey Van		
Department:	Engineering	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

Multiyear        Phase \_\_\_ of \_\_\_

**Description:**

The Engineering Department currently utilizes a 2002 Ford Van (42) to transport survey equipment and other tools to project sites throughout Town.

**Benefits of Project and Impact if Not Completed:**

The current vehicle is 14 years old and showing signs of frame rot. This is both a vehicle inspection and safety concern.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$35,000		\$35,000				<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



Scituate Department of Public Works, Highway Division  
 Town Hall  
 600 Chief Justice Cushing Highway  
 Scituate, MA 02066  
 Attn.: George Mason, Mechanic

October 31, 2014

Dear Mr. Mason,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract #12-13-14 with the Plymouth County Commissioners. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

Item #21	2014 Chevrolet Full Size K2500 4x4 Silverado Pick up 133" Wheelbase, Long Bed, 9,500 LBS GVWR Pick up 6.0 Liter V8 E85 Capable, 360 HP with Oil Cooler 6 Speed Automatic Transmission with Oil Cooler 125 Amp Alternator and 600 CCA Battery with Rundown Protection Automatic Halogen Headlights with Daytime Running Lights Heavy Duty Handling/Trailering Suspension Package Front Chassis Mounted Recovery Hooks Four Wheel Anti-Lock Front and Rear Disc Brakes (5) LT245/75R16E All Season Radials with Full Size Spare Manual Folding OSRV Mirrors Vinyl Trim, 40/20/40 Split Bench Seat with Center Fold Down Armrest Heavy Duty Vinyl Floor Mat AM/FM Stereo with Digital Clock Tilt Steering Wheel and Cruise Control 2 Dash Mounted Auxiliary Power Outlets Factory Air Conditioning Factory Gauge Package with Tachometer and Tire Pressure Monitor Driver Information Center Manual Windows and Door Locks	\$24,483.00
1.01	All Terrain Radial Tires	\$ 245.00
1.02	Class III Trailer Towing Package	\$ 425.00
1.03	Automatic Locking Rear Axle	\$ 315.00
1.09	Duramax Turbo Diesel with Allison Transmission	\$ 8,336.00
1.11	Snow Plow Prep Package	\$ 410.00
1.12	Engine Block Heater	\$ 64.00
1.16	220 Amp Heavy Duty Alternator	\$ 64.00
1.19	Factory Skid Plate Package	\$ 128.00
1.23	Power Windows and Door Locks	\$ 882.00
1.24	Keyless Remote Entry	\$ 241.00
1.44	Electric Remote Heated OSRV Camper Mirrors	\$ 227.00

90 Bay State Road • Wakefield, MA 01880 • 781.246.1919 • FAX 781.245.8987 • www.libertychevy.com



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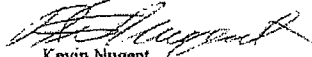
LIBERTY CHEVROLET

11/03/2014 8:23 AM FAX \*17812458290

10.02	Spray-in Type Bedliner	\$ 499.00
10.14	Slide-in Combination Pintel Ball Hitch	\$ 156.00
13.05	Factory Special Paint, Indigo Blue	\$ 300.00
3.06	Whelen 4 Corner Hide-Away LED Flashers	\$ 695.00
<b>TOTAL DELIVERED PRICE</b>		<b>\$37,470.00</b>

Thank you for your consideration of Liberty Chevrolet. If you have any questions concerning our proposal, please don't hesitate to contact me at (781) 287-7541.

Sincerely,

  
Kevin Nugent  
Fleet Sales Manager



### TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

#### Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2019042905	
Project Title:		
Category:	Truck Replacement 2-9	
Department:	Public Grounds	Contact:

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                                 Multiyear       Phase \_\_\_ of \_\_\_

**Description:**  
*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

Replace Truck 2-9 3/4 ton  
Timeline July 1, 2017  
Location 68 Capt Peirce Road

**Benefits of Project and Impact if Not Completed:**  
*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

Truck is used for transporting light equipment, and used in recycling throughout town. It plows in winter months and the benefits would be we would use less contractors.

**Discuss Operating Budget Impact:**  
*Explain the project's short- and long-term impacts on the community's operating budget.*

#### Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$45,000		\$45,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



1. Truck: Public Grounds 2-9
2. Year : 2005
3. Mileage : 103,002
4. Used for: Checking out scheduled work sites, moving mowers. Paint machine around, picking roads and moving employees around , plowing in winter months
5. Problems to truck : Floor rot, body rot, dump body rot and running poorly



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
 Valid for: \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: MAPC / GBPC  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F2B	Ford F250 Pick - Up			\$25,700.00
	4X4			Include.
	Color : Blue Jeans (N1)			Include.
	Estimated model increase			1,700.00
	6.2L V8 Gasoline Engine; with Automatic Transmission			Include.
	Air Conditioning			Include.
	Class III 2" Hitch Receiver with Factory 4 & 7 way plugs			Include.
	AM/FM radio with digital clock			Include.
X3E	Limited Slip			378.30
473	Snow Plow Prep			82.45
TBM	All Terrain Tires - SRW			160.05
90L	Power Equipment Group			887.55
18B	Factory Running Boards			310.40
66S	Factory Upfitter Switches			160.05
	Whelen LED Hideaways (2) front (2) rear Amber			455.00
	Back up Alarm			85.00
	Rhino Spray In			545.00
	8' Fisher plow			5,795.00
	Rubber sno Foil			\$335.00
	Steel cutting edge			\$245.00
	Option: Diesel engine \$8725			
			TAX:	
			<b>TOTAL:</b>	<b>\$36,838.80</b>

### TERMS AND CONDITIONS

\*This quote is valid for 60 days from the date of quote. Any purchase orders or approved quotes received outside of the 60 day quote period will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

M.G.L c. 30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L c 30B sec 1c and M.G.L c.7 sec 22B. The government body is responsible to determine the applicability of M.G.L. c30B to off contract items, but not limited to off contract items that have already been properly procured under M.G.L. c30B sec 1c and M.G.L. c7 sec 22A (purchases from a vendor on



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2019042906		
Project Title:	Gates School Field Repair		
Category:	Field		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*Reconstruction of practice field 160X404 (64630 sf / 7182 sy) Pulverize, rough grade existing field  
Install approximately 800cy of loam to finish grade hydroseed  
includes locating, removal and capping andr einstalling and adjusting sprinkler heads.*

**Benefits of Project and Impact if Not Completed:**

*Improving the current condition of the Town playing field for all sporting events.*

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$56,870	\$56,870				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$56,870</b>	<b>\$56,870</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$56,870</b>	<b>\$56,870</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

*CAPT*

**Mass Pavement Reclamation, Inc**  
1356 Hanover Street  
Hanover, MA 02339  
Phone # 781-826-8388 Fax # 781-826-8358  
E-mail: massreclamation@aol.com

# Proposal

DATE	PROPOSAL #
7/10/2017	2017-026

<b>NAME / ADDRESS</b>
Town of Scituate Department of Public Works 600 Chief Justice Cushing Highway Scituate, MA 02066

<b>PROJECT</b>
Football Field (17)

<b>SCOPE OF WORK</b>
JOB: REPAIR/CONSTRUCTION
<p>Scope of Work: <i>Girls field</i></p> <p>-160'X404' (64,640 SF / 7182 SY) <i>2021</i></p> <p>-Reconstruction of practice football field</p> <p>-Pulverize &amp; rough grade existing field</p> <p>-Install approx. 800 CY (3") loam to finish grade and hydro-seed</p> <p>-Includes locating, removal and capping, and reinstalling and adjusting sprinkler heads</p> <p>Total Estimate: \$56,870.00</p>
<p>Scope of Work: SOCCER FIELD</p> <p>-232' X 388' (90,016 SF / 10,000 SY) <i>2022</i></p> <p>-Top dress soccer field with 3" (approx. 800 CY) of loam</p> <p>-Fill holes, correct grade, and re-seed</p> <p>-Includes all sprinkler head marking and adjustments</p> <p>-Town to aerate prior to work commencement</p> <p>Total Estimate: \$33,588.00</p>

Please add Mass Pavement Reclamation, Inc. as additional excavator onto your digsafeticket and supply us with the valid digsafeticket number. We are not responsible for damage to any subsurface structure that is not clearly marked as to location and depth.

The work to be performed in accordance with the drawings & specifications submitted.

Payments are as follows:  
30 Days

Respectfully Submitted by *Michael Gallant*  
Thank You.  
Proposal may be withdrawn within 30 days.

The above scope of work, prices, and conditions are hereby accepted.  
Contractor is authorized to do work mentioned above.

Any alteration or deviation from above scope of work will become extra charge over and above this proposal.

\_\_\_\_\_  
Date

Please sign and return (1) copy to us. Thank You.

**Customer Signature** \_\_\_\_\_





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042902		
Project Title:	Truck 2-0, Pick Up Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 1999 Chevy Pick Up Truck with a new Medium Duty Truck.  
 The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 20 years. The truck has over 200,000 miles and has rust on the frame and body.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support the grounds department in hauling mowers and do tree clearing work.

**Benefits of Project and Impact if Not Completed:**

The existing 2-0 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a plow and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$50,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$50,000		\$50,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

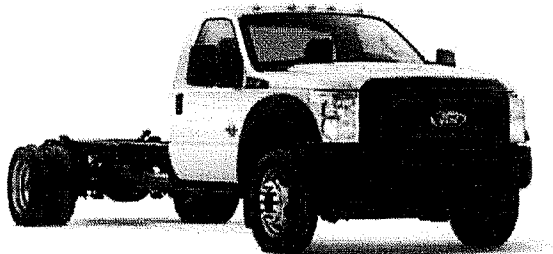
During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				

Trucks (2-6) (2-3)

# Plymouth County Commissioners Cooperative Procurement Specifications

CAB & CHASSIS

## 18,000 GVW 4X2 STANDARD SIZE CAB AND CHASSIS



**Manufacturer:** FORD MOTOR COMPANY

**Model Year:** 2015 OR CURRENT

**Model Name:** F550 SUPER DUTY CHASSIS

**Specification:** 15-23

**Contract Price:** \$31,500.00

*21 with options \$ 50,000*  
*23 with options \$ 60,000*

### STANDARD EQUIPMENT SUMMARY

- Engine 6.8L V10 gas
- Horsepower (SAE net @ rpm) 362 @ 4750
- Torque (lb.-ft. @ rpm) 457 @ 3250
- Transmission TorqShift 5-speed automatic with tow/haul mode
- Alternator 175-amp (heavy-duty)
- Climate control — single-zone manual
- Door locks and windows — manual
- Floor covering — black, full-length vinyl
- Seating — heavy-duty vinyl front 40/20/40 split bench
- Steering column — manual tilt/telescoping
- 141" wheelbase - 60" cab to axle
- Front axle — Monobeam with coil spring
- Rear axle — non limited slip
- Seven (7) 225/70R19.5G BSW A/S tires includes spare wheel
- Wheels 19.5" argent painted steel
- Glass — Solar-tinted
- Springs — rear auxiliary
- Steering column — manual tilt/telescoping
- Traction control — engine only (DRW models)
- Instrumentation, multifunction switch message center with Ice Blue lighting, Outside temperature display
- Mirrors, Manual telescoping trailer tow with manual glass and 2-way fold
- AM/FM stereo/clock and 2 speakers
- Window, rear — fixed with solar glass
- 40 gallon fuel tank, aft-axle
- Brakes Power 4-wheel disc with Anti-Lock Braking System (ABS) (DRW)
- Maximum Payload 11,445 lbs.

# Plymouth County Commissioners Cooperative Procurement Specifications

## FORD F-550 TWO-WHEEL DRIVE DRW CHASSIS OPTIONS

CODE	DESCRIPTION	PRICE	CODE	DESCRIPTION	PRICE
<b>Series Code</b>			<b>68U</b>	19,000 Lb. GVWR Payload Upgrade, 60" CA Gas only	\$418.00
	Four Wheel Drive	\$3,995.00	<b>68M</b>	19,500 Lb. GVWR Payload Upgrade, All but 60" CA Gas	\$1,097.00
	SuperCab	\$2,578.00	<b>98G</b>	CNG/LPG GASEOUS FUEL PREP PACKAGE	\$299.00
	CrewCab	\$3,501.00	<b>41P</b>	SKID PLATES	\$95.00
	84" CA, Any Cab Style	\$166.00	<b>512</b>	SPARE TIRE WHEEL & JACK	\$333.00
	108" CA, Regular Cab Only	\$333.00	<b>213</b>	ELECTRONIC SHFT ON THE FLY FOUR WHEEL DRIVE	\$176.00
	120" CA, Regular Cab Only	\$499.00	<b>41H</b>	ENGINE BLOCK HEATER	\$71.00
<b>99T</b>	6.7 LITER POWER STROKE DIESEL ENGINE	\$7,724.00	<b>62R</b>	TRANSMISSION PTO PROVISION	\$266.00
<b>Various</b>	LIMITED SLIP REAR AXLE	\$342.00	<b>63T</b>	ENGINE IDLE SHUT DOWN (DIESEL ONLY)	\$238.00
<b>TBH</b>	225/70RX19.5 BSW Traction Tires, Rear only	\$181.00	<b>98R</b>	OPERATOR COMANDED REGENERATION (DIESEL ONLY)	\$333.00
<b>TGB</b>	225/70RX19.5 BSW Traction Tires, Front & Rear	\$204.00	<b>67A</b>	DUAL ALTERNATORS, 357 AMP	\$361.00
<b>96V</b>	XL VALUE PACKAGE	\$568.00	<b>65M</b>	28 Gallon Mid Ship Fuel Tank	\$119.00
<b>96P</b>	XL APPEARANCE PACKAGE	\$846.00	<b>65C</b>	Dual Fuel Tanks, 28 gallon mid ship & 40 Gallon rear	\$698.00
<b>17F</b>	XL DÉCOR GROUP	\$147.00	<b>531</b>	Trailer Tow Package	\$147.00
<b>90L</b>	POWER EQUIPMENT GROUP: POWER DOOR LOCKS, WINDOWS AND POWER HEATED MIRRORS: RC & SC	\$850.00	<b>535</b>	High Capacity Trailer Tow Package	\$333.00
<b>90L</b>	POWER EQUIPMENT GROUP: POWER DOOR LOCKS, WINDOWS AND POWER HEATED MIRRORS: CC	\$1,050.00	<b>52B</b>	TRAILER BRAKE CONTROLLER	\$257.00
<b>603A</b>	XLT TRIM LEVEL, RC & SC	\$3,492.00	<b>54F</b>	POWERSCOPE POWER TELESCOPING, POWER FOLD-AWAY TRAILER TOW MIRRORS WITH POWER HEATED GLASS	\$157.00
<b>603A</b>	XLT TRIM LEVEL, CC	\$3,857.00	<b>865</b>	Low Deflection Suspension Package	\$119.00
<b>96I</b>	XLT INTERIOR PACKAGE	\$755.00	<b>18B</b>	Black Molded running Boards, Regular & Super Cab	\$304.00
<b>RR</b>	Ruby Red Metallic Tinted Clearcoat Paint	NC	<b>18B</b>	Black Molded Running Boards, Crew Cab	\$352.00
<b>SP101</b>	Factory Special Paint, Permanent Fleet Colors	\$549.00	<b>76S</b>	REMOTE START SYSTEM	\$185.00
<b>473</b>	SNOW PLOW PREP PKG	\$81.00	<b>59H</b>	Center High Mounted Stop Lamp	NC
<b>67H</b>	Heavy Duty Service FRONT SUSPENSION	\$119.00	<b>433</b>	MANUAL SLIDING REAR WINDOW	\$119.00
<b>67X</b>	Extra Heavy Service Front Suspension	\$119.00	<b>435</b>	POWER SLIDING REAR WINDOW WITH DEFROST	\$385.00

continued →

CAB & CHASSIS

# Plymouth County Commissioners Cooperative Procurement Specifications

## FORD F-550 TWO-WHEEL DRIVE DRW CHASSIS OPTIONS (CONTINUED)

CODE	DESCRIPTION	PRICE	CODE	DESCRIPTION	PRICE
41A	RAPID-HEAT SUPPLEMENTAL CAB HEATER	\$238.00	F5K/F5D	Commercial Stripper/Motorhome Chassis, 158" WB	\$(8,525.00)
91M	SYNC VOICE ACTIVATED COMMUNICATIONS	\$280.00	178	178" wheelbase, 16,000 Lb. GVWR	\$223.00
585	AM/FM SINGLE CD PLAYER	\$261.00	190	190" Wheelbase, 16,000 Lb. GVWR	\$451.00
62D	STEERING WHEEL AUDIO CONTROLS	\$67.00	208	208" Wheelbase, 18,000 Lb. GVWR	\$1,819.00
	40/20/40 CLOTH BENCH SEAT, RC & SC	\$95.00	228	228" Wheelbase, Motorhome only, 18,000 Lb. GVWR	\$2,038.00
	40/20/40 CLOTH BENCH SEAT, CC	\$299.00	242	242" Wheelbase, Motorhome only, 22,000 Lb. GVWR	\$4,646.00
	40/MINI CONSOLE/40 VINYL SEAT	\$337.00	252	252" wheelbase, Motorhome only, 24,000 Lb. GVWR	\$6,455.00
	40/MINI CONSOLE/40 CLOTH SEAT, RC & SC	\$489.00	20E	18,000 Lb. GVWR on 178/190 WB	\$1,140.00
	40/MINI CONSOLE/40 CLOTH SEAT, CC	\$584.00	20J	19,500 Lb. GVWR	\$1,140.00
	CLOTH CAPTAINS CHAIRS WITH CONSOLE (XLT ONLY)	\$850.00	20R	20,500 Lb. GVWR on 208/228 WB	\$1,159.00
572	AIR CONDITIONING DELETE	\$(680.00)	20S	22,000 Lb. GVWR on 208/228 WB	\$2,418.00
62M	ADJUSTABLE PEDALS (XLT ONLY)	\$114.00	20T	24,000 Lb. GVWR on 228" WB	\$3,943.00
166	CARPET DELETE (XLT ONLY)	\$(41.00)	20T	24,000 Lb. GVWR on 242" WB	\$1,568.00
165	All Weather Floor Mats, Regular Cab	\$57.00	20U	26,000 Lb. GVWR on 228" WB	\$5,577.00
165	All weather Floor Mats, SuperCab & Crew Cab	\$71.00	20U	26,000 Lb. GVWR on 242" WB	\$3,202.00
525	CRUISE CONTROL	\$223.00	20U	26,000 Lb. GVWR on 252" WB	\$1,634.00
926	SPEED LIMITATION, 65 MPH	\$76.00	59R	Delivery Ramp Prep Packagage	\$608.00
926	SPEED LIMITATION, 75 MPH	\$76.00	572	AC Prep Kit	\$371.00
87T	CREW CHIEF TELEMATICS	\$760.00	64W	19.5" Wheel Credit, req 22,000 Lb. GVWR	\$(720.00)
942	DAYTIME RUNNING LAMPS	\$43.00	674	HD Suspension Package, Motor Home with 16,000 Lb. GVWR	\$119.00
945	Stainless Steel Wheel Covers, DRW only	\$390.00	68R	Front GAWR increase to 7,500 Lb. with 20,500	\$48.00
615	SPLASH GUARDS, FRONT	\$71.00	512	Spare Tire & Wheel, Motorhome only	\$233.00
47A	Ambulance Prep Package	\$1,145.00			
47J	Fire rescue Prep Package	\$1,145.00			
76C	EXTERIOR BACK UP ALARM	\$119.00			
				<b>Ford Extended Service Plans: Discount from MSRP</b>	<b>20%</b>
				<b>Ford Factory Options: Discount from MSRP</b>	<b>5%</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

	2019042903
Project Title:	Truck 2-B, Medium Duty Truck
Category:	Equipment
Department:	Grounds
Contact:	Mike Breen/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission [ ]

                         Multyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2005 Chevy 3500 truck with a new Medium Duty Truck.

The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 12 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

**Benefits of Project and Impact if Not Completed:**

The existing 2-B truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a plow and has a salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000 to the 2019 capital.

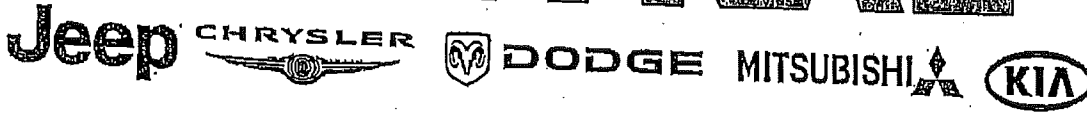
**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000		\$65,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$65,000	\$0	\$65,000	\$0	\$0	\$0	

<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space <input type="checkbox"/> Recreation <input type="checkbox"/> Historical <input type="checkbox"/> Housing
Post-Project Annual							
Post-Project One-time	\$0						

# CENTRAL



Shipping 10.10.16 - schedule

June 21, 2016

Mr. Kevin Cafferty  
Town of Scituate Department of Public Works  
Highway Department  
68 Captain Pierce Road  
Scituate, MA 02066

Mr. Cafferty,

Attached please find a quote specification page for a 2017 Dodge Ram 5500 Regular Cab Chassis 4X4 with a 6.7 Diesel Automatic Transmission in True Blue which is based on a factory order. Order to dealer delivery should be approximately 120 Days.

Plymouth County Bid Price: \$46,228.00  
JC Madigan 9 Foot Dump \$ 7,695.00 - Also see options listed for Dump Body - add as desired.

BID PRICE \$53,923.00  
Plus Reg Sticker & Delivery \$ 369.00 if desired.

\$54,292 Truck  
6,500 Plow

Should you need any further information, please let me know.

60,792

Sincerely,

x 1.05 Price Escalation

\$63,831

Deborah Emery  
Fleet Manager

Total Cost ~ \$65,000.00

Central Chrysler Jeep Dodge & Kia  
Providence Hwy - 70 Providence Hwy  
Norwood, MA 02062  
781-762-2200 - 781-762-8100



Central Chrysler Jeep Dodge & Mitsubishi  
191 US Route 44  
Raynham, MA 02767 ✓  
508-823-0101

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2016-06-23 9:46 AM  
 Estimated Ship Date: VIN:  
 VON:

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYNHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Vehicle:

2017 5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 60 In) (DP0L63)

Model:	Sales Code	Description	MSRP(USD)
Package:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 60 In)	40,795
	29A	Customer Preferred Package 29A	0
	ETK	6.7L I6 Cummins Turbo Diesel Engine	7,400
Paint/Seat/Trim:	DF2	6-Spd Auto Aisin AS89RC HD Trans	1,600
	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	225
Options:	-X8	Black/Diesel Gray	0
	XXS	Upfitter Electronic Module (VSIM)	245
	1BN	Power Take Off Prep	295
	AMP	Chrome Appearance Group	155
	4DH	Prepaid Holdback	0
	LNJ	Fog Lamps	140
	4ES	Delivery Allowance Credit	0
	ADE	Cold Weather Group	125
	MAF	Fleet Purchase Incentive	0
	AJH	Power and Remote Entry Group	850
	MRT	Chrome Tubular Side Steps	350
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	MJB	Chrome Bodyside Molding	100
	ACL	DOT Certified Roadside Safety Kit	150
	TBB	Full Size Spare Tire	350
	AHD	Heavy Duty Snow Plow Prep Group	250
	XHC	Trailer Brake Control	295
	5N8	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	132	Zone 32-New York	0
Non Equipment:	4EA	Sold Vehicle	0
Bid Number:	4FA	Special Bid-Ineligible For Incentive	0
Destination Fees:	TB7068	Government Incentives	0
			1,195
		<b>Total Price:</b>	<b>54,790</b>

Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the content listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.

J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER, MA.

SALES DEPT.  
TEL.(978)847-2900  
FAX(978)847-0068

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CUYD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED ONE COLOR WITH THE  
FOLLOWING ITEMS.

- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINTLE ASSEMBLY ADD \$550.00
- 3) REAR CORNER POST RECESSED FLASHERS ADD \$600.00

APPROVAL \_\_\_\_\_

DATE \_\_\_\_\_

PO# \_\_\_\_\_





2-8



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
PUBLIC GROUNDS DIV.

3600 HD



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	20190422006		
Project Title:	Truck 1-6, 10 Wheel Heavy Duty Dump Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Replace the 1993 International 10 wheeler dump truck with a new 10 wheeler Heavy Duty Truck.

The expected useful life of a Heavy Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average heavy duty truck is 10 to 15 years according to the MN State DOT recommended guidelines. The current truck has been in service for 27 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded salt in general for the sanding operations. This truck is used also to support any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.

Benefits of Project and Impact if Not Completed:

The existing 1-6 truck is used but is starting to show it's age. The frame is rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a large plow and salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

Discuss Operating Budget Impact:

The new truck will be an impact of \$185,000 to the 2019 capital.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$185,000		\$185,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$185,000	\$0	\$185,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$185,000	\$0	\$185,000	\$0	\$0	\$0	
Operating Budget Impact							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

17  
Total Cost

\$ 159,978.82 Truck  
+ 12,500.00 Plow

172,478.82  
x 1.05 (Escalation)

\$ 181,102.76

∴ Cost ~ \$185



**MAC****CK**®

## PROPOSAL

Especially Prepared For:

Town Of Scituate  
600 Chief Justice Cushing HWY  
Scituate, MA 02066

Presented By:

Eric Archambault  
Ballard Truck Center

1 Mack Drive  
Avon, Massachusetts 02322  
eric@ballardtrucks.com



# CHASSIS SPECIFICATIONS SUMMARY

June 02, 2016

## 2017 MACK GU713

DUMP ..... On/Off Hwy  
STRAIGHT TRUCK WITHOUT TRAILER

Engine	MACK MP7-405M 405HP	Transmission	TMD12AO-HD
		Clutch	CLS43B-O-MERITOR/SACHS, SINGLE
Front Axle	20,000# FXL20	Rear Axle	52,000# S522 Ratio 3.79
Suspension	20,000#	Suspension	52,000# SS52
Tires	Front: 315/80R22.5 Rear: 12R22.5	Wheels	22.5x9.0" ALUMINUM DISC 22.5x9.0" ALUMINUM DISC
Ratings	GVW: 72,000# GCW: 80,000#	Fuel Tanks	LH: 72gal
Fifth Wheel		Sleeper	

### PRICING SUMMARY

	<u>Total Price</u>
***SELLING PRICE (Excluding Taxes/Fees/Trade)***	\$160,395.76
Surcharge	\$0.00
Net FRET or Canadian GST Taxes	\$0.00
Tire Tax Credit (Municipal Only)	(\$416.94)
Sales/Usage Taxes	\$0.00
License/Title/Etc.	
Misc Fees	
Trade	\$0.00
***ACQUISITION COST (Includes Trade if applies)***	\$159,978.82
Less Down Payment	
BALANCE DUE Per Unit	\$159,978.82
PRICE (Total Order)	\$159,978.82
BALANCE DUE (Total Order)	\$159,978.82

Total Quantity: 1      Estimated Total Weight: 18,311#      Reference#: AJKY025017A

X \_\_\_\_\_  
 Prepared For:      Customer Signature      Date  
 Town Of Scituate  
 600 Chief Justice Cushing HWY  
 Scituate, MA 02066  
 Phone: 781-545-8731  
 Fax: --

X \_\_\_\_\_  
 Presented By:      Dealer Signature      Date  
 Eric Archambault  
 Ballard Truck Center  
 Avon, Massachusetts 02322  
 (508) 559-0771  
 eric@ballardtrucks.com



**Prepared For:**

Town Of Scituate  
600 Chief Justice Cushing HWY  
Scituate, MA 02066  
(781) 545-8731

**Prepared By:**

Ballard Truck Center  
1 Mack Drive  
Avon, Massachusetts 02322  
(508) 559-0771  
eric@ballardtrucks.com

Jun 2, 2016  
2017 GU713  
Ref#: AJKY025017A

**Description**

**ORDER/CUSTOMER/VEHICLE INFORMATION**

INITIAL REGISTRATION LOCATION, UNITED STATES; MASSACHUSETTS

LANGUAGE, ENGLISH

IDLE EMISSION CERTIFICATION, IDLE EMISSION CERTIFICATION - CARB 08

TYPE OF SERVICE, MUNICIPAL

VEHICLE APPLICATION CLASS, HEAVY VOCATIONAL - Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade, (3 AXLES) 78,000 lbs (35,281 kg) MAX GVW, (4 AXLES) 80,000 lbs (36,288 kg) MAX GVW

CARRIER APPLICATION, WITH CRD150-151, Unlimited miles on 3% grade maintained gravel/packed dirt or paved, Max 15% miles on 10% grade maintained gravel/packed dirt or paved, Max 10% miles on 5% unmaintained, maintained gravel, packed dirt, or paved, 90000# (41000 kg) MAX GCW. (Carrier Code USA-V1)

VEHICLE TYPE, STRAIGHT TRUCK WITHOUT TRAILER

VEHICLE USE AND BODY/TRAILER TYPE, DUMP On/Off Hwy

COMMODITIES, VARIOUS

BRAKE - STOPPING DISTANCE, BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)

FILE STATUS, QUOTE

PRICE BOOK LEVEL, 2017A PRICE BOOK LEVEL

PRODUCT CLASS, PRODUCT CLASS 28

**OPERATING CONDITIONS**

TOPOGRAPHY, GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%

TRANSPORTATION CYCLE, VOCATIONAL

ROAD CONDITION, WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE

AMBIENT TEMPERATURE UPPER LIMIT, AMBIENT TEMPERATURE HOT; WARMER THAN 104 F (40 C) ALLOWED UP TO 25

HOURS PER YEAR

**BVS/FRT AXLE POS/SALES PACKAGES**

GRANITE RAPID SPEC, NOT A GRANITE RAPID SPEC

CHASSIS (BASE MODEL), GU703 8-WHEEL TRUCK

RAWHIDE EDITION PACKAGE, WITHOUT RAWHIDE EXTERIOR PACKAGE

CHASSIS PACKAGING SOLUTIONS, CLEAR BOC PACKAGE 7A INCLUDES: HHF Emission, B Box LH Rail, Air Tank(s)

Under B Box - remaining on rail, Cab Mounted Exhaust REQUIRES; 72 Gallon LH Sleeved Fuel Tank, Omit RH Tank,,

WITHOUT FRONT AXLE SPACING

FRAME MODIFICATION, W/O FRAME MODIFICATION OPTION

**ENGINE/TRANSMISSION/CLUTCH**

ENGINE, MACK MP7-405M 405 HP @1500-1900 RPM (PEAK) 1480 LB FT. MAX TORQUE @ 1050-1350 RPM

TRANSMISSION, 12 SPEED AUTOMATED MANUAL; MACK TMD12AQ-HD mDRIVE HD (11.73/0.78) - PREMIUM SHIFTER (OVERDRIVE)

CLUTCH, SELF ADJUSTING, CLS43B-O MERITOR/SACHS, SINGLE PLATE-17", ORGANIC MAT'L

**EXHAUST/EMISSIONS**

DPF, CLEARTECH HHF, DPF & SCR FRAME MTD, BOTH RH SIDE UNDER CAB

EXHAUST AFTER-TREATMENT SYSTEM, EXHAUST AFTER-TREATMENT SYSTEM DIESEL PARTIC FILTER CERAMIC

PASSIVE REGEN

EXHAUST, EXHAUST - CLEAR BOC, SINGLE (R/S) VERT EXHAUST CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED

END

## Description

SINGLE, BRIGHT FINISH HEAT SHIELD, STACK AND SCR COVER  
FURNISH STEEL PAINTED HEAT SHIELD FOR FRAME MTD MACK CAP DPF

**ENGINE EQUIPMENT**  
AIR COMPRESSOR, MERITOR/WABCO 318 18.7 CFM  
11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD  
INSIDE/OUTSIDE AIR INTAKE W/IN-CAB CONTROL FOR SNOWPLOW  
ALTERNATOR, DELCO 12V 160A (24sl) BRUSH-TYPE  
BATTERIES, (3) MACK 12V M/F GROUP 31 650/1950 CCA THREADED STUD TYPE W/KALAS CABLES  
BUG SCREEN, BLACK ALUMINUM MOUNTED BEHIND GRILLE  
TO -34 DEGREES F (-37 DEGREES C)  
MACK COOLANT CONDITIONER  
ENGINE BRAKE, MACK POWERLEASH  
ENGINE BLOCK HEATER, 120V 1500 WATT ENGINE BLOCK HEATER  
FAN DRIVE, BEHR FAN AND ELECTRONIC MODULATING FAN DRIVE  
FUEL-WATER SEPARATOR, MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)  
HOSES - RADIATOR/HEATER, SILICONE HOSES, SPRING CLAMPS ON RADIATOR & HEATER, 1/4 TURN BALL VALVE  
HEATER HOSE  
OIL PAN, CORROSION RESISTANT OIL PAN  
OIL PAN HEATER, W/O OIL PAN HEATER  
OIL CHANGE SYSTEM, W/O OIL CHANGE SYSTEM  
W/O ENGINE COLD START AID  
STARTER, 12 VOLT DELCO MTHD 39  
TETHER DEVICE, W/O TETHER DEVICE

**TRANSMISSION EQUIPMENT/DRIVELINES**  
CLUTCH ASSIST (AIR), Information is not required  
CLUTCH PEDAL, W/O CLUTCH PEDAL  
CLUTCH RELEASE HOSE, W/O LUBRICATION FITTING OPTION  
CLUTCH STARTING SWITCH, W/O CLUTCH STARTING SWITCH OPTION  
mDRIVE - GRADE GRIPPER, GRADE GRIPPER  
mDRIVE - MACKCELLERATOR, MACKCELLERATOR ENABLE  
mDRIVE - PARKER PUMP, W/O PARKER PUMP  
TRANSMISSION SHIFT SETTINGS, MACK MDRIVE - ENHANCED CONSTRUCTION PERFORMANCE MODE MANUAL  
RETURN TO ECONOMY  
TRANSMISSION PTO1 SPLITTER RANGE, PTO1 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED  
TRANSMISSION PTO2 SPLITTER RANGE, PTO2 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED  
TRANSMISSION BELL HOUSING, ALUMINUM  
W/O TRANSMISSION DIPSTICK FOR ALLISON  
W/O TRANSMISSION DUSTPROOFING  
MACK mDRIVE TRANSMISSION OIL COOLER MTD LH SIDE OIL-TO-WATER COOLER  
W/O NEUTRAL CONTROL  
SYNTHETIC LUBRICANT - TRANSMISSION, 75W-90 (SYNTHETIC LUBRICANT)  
VOCATIONAL PACKAGE - ALLISON, W/O ELECTRONIC TRANS PACKAGE OPTION  
DRIVESHAFT GUARD FOR CENTER BEARING  
DRIVELINE - MAIN, SPICER SPL250XL "EXTENDED LUBE SERIES"  
DRIVELINE - INTERAXLE, SPICER SPL170XL EXTENDED LUBE SERIES  
CAB (A thru G)

## Description

MACK (BERGSTROM) INTEGRAL W/HEATER COMBINATION HEATER/DEFROSTER AND CONDITIONER  
AIR RESTRICTION MONITOR (INTAKE), AIR RESTRICTION MONITOR (DISPLAYED IN CO-PILOT)  
DASH CONTROL & PWR SUPPLY FOR LOCAL INSTALLATION OF AUXILIARY HEADLAMPS (FOR SNOWPLOWS)  
W/O AUX WARNING LIGHT PROVISIONS  
BUG DEFLECTOR - HOOD MOUNTED, W/O BUG DEFLECTOR OPTION  
CAB CONFIGURATIONS, LH-DRIVE CA68 CONV CAB  
AUX INCAB PNEUMATIC LINE CLEANOUT  
W/O CAB FAN, AUX AIR CIRC OPTION  
CAB MOUNTING, AIR SUSPENSION  
CERTIFIED WEIGHT  
PROVIDE (6) MISC SWITCHES (2) 15A IGN, (1) 20A IGN, (1) 10A IGN, (1) 15A BAT, AND (1) 20A BAT.  
PARK BRAKE AND ENGINE RUNNING ACTIVATED  
(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED  
DOOR INTERIOR TRIM PANELS, PADDED VINYL/FABRIC W/ARM REST AND LIGHTED POCKET  
FENDER EXTENSIONS, FENDER EXTENSIONS  
5LB (ABC RATED) MOUNTED BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD  
FLOOR COVERING, POLYURETHANE FLOOR MAT  
GAUGE CLUSTER, EXHAUST PYROMETER AND TRANSMISSION OIL TEMPERATURE GAUGES  
GAUGES, ENGLISH/METRIC DISPLAY  
WITHOUT REAR AXLE OIL TEMPERATURE GAUGE  
W/O INSIDE/OUTSIDE TEMP GAUGE OPTION  
GEAR SHIFT, MDRIVE - PREMIUM  
GLASS - CAB WINDOW, TINTED WINDSHIELD, TINTED SIDE WINDOW AND TINTED REAR WINDOW (IF EQUIPPED)  
BRIGHT FINISH EXTERIOR CAB GRAB HANDLES, BLACK FINISH GRAB HANDLE RH INTERIOR WINDSHIELD POST  
GRILLE - HOOD AIR INTAKE, BRIGHT FINISH GRILLE  
GRILLE; BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED  
CAB (H thru R)  
HEADLINER, VINYL COVERED FOAM PADDED HEADLINER  
HOOD AND FENDERS, COMPOSITE MATERIAL - TILTABLE W/INSPECTION HATCH  
PAINTED HOOD LATCHES  
HORN - AIR, 1678 GROVER MOUNTED UNDER THE CAB  
HORN - ELECTRIC, DUAL TONE (TWO HORNS)  
IDENTIFICATION/CLEARANCE LIGHTS, (5) MARKER AND CLEARANCE, INCANDESCENT, SURFACE MOUNTED  
IN-DASH STORAGE, W/O UPPER STORAGE OPTION  
INSTRUMENT CLUSTER DISPLAY, CO-PILOT DRIVER DISPLAY, ENHANCED 4.6" DIAGONAL LCD DISPLAY W/4-BUTTON  
STALK CONTROL W/O DIAG DISPLAY  
INSTRUMENT PANEL, BRUSHED NICKEL  
INTERIOR TRIM (PEDIGREE - SLATE GRAY) Vinyl headliner, cloth/vinyl seat trim, 2 natted storage compartments and center CB  
radio mounting provisions in overhead console, rear panel with storage pouch, signature polyurethane floor mat, brushed nickel  
instrument panel with chrome gauge bezels, diamond pattern fabric on doors, padded interior sun visors both sides, 2 spoke  
urethane grip brushed nickel spokes; brushed nickel Mack horn cap, adjustable tilt/telescoping steering column, hand crank lh/rh  
windows, 2 general overhead lights, 1 driver overhead light & 1 map non-glare overhead light, 2 12V power sources, 2 cup  
holders, 2 trash bag hooks, 2 coat hangers, rh storage compartment, seat belt retractors, rh door peep window, lighted door  
mounted map pocket lights.  
CHASSIS KEYED AT RANDOM - 2 KEYS  
W/O ELECTRONIC KEYLESS ENTRY

## Description

MIRRORS - EXTERIOR, WEST COAST, RH & LH BRIGHT FINISH MACK BULLDOG HEATED  
MIRRORS - CONVEX TYPE HOOD/FENDER, WITHOUT CONVEX TYPE  
MIRRORS - CONVEX TYPE, BRIGHT FINISH, LH & RH 8.0" DIA HEATED; MOUNTED BELOW LOWER ARM OF WEST COAST  
MIRROR  
MIRRORS - PROXIMITY, W/O OPTIONAL VISIBILITY MIRROR  
OVERHEAD CONSOLE, (2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB  
PROVISIONS  
W/O PERSONALIZED NAME PLATE  
AM/FM PREMIUM STEREO, CD-PLAYER, MP3, WEATHERBAND, HANDSFREE INTERFACE, BLUETOOTH  
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR  
POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE  
W/O REMOTE CB RADIO  
RADIO ANTENNA - CB, 48" ANTENNA LEFT SIDE MIRROR MOUNTED  
CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE  
RADIO SHUTOFF, W/O AUTO RADIO SHUTOFF OPTION  
REAR WINDOW (FIXED TYPE)  
REFLECTOR KIT; REFLECTOR KIT MTD PASSENGER SIDE UNDER DASH BY DOGHOUSE  
CAB (\$ thru 2)  
SEAT - DRIVER, BOSTROM TALLADEGA 916 (HI-BACK) AIR SUSPENSION  
SEAT - RIDER, MACK RIDER SEAT (MID-BACK) W/INTEGRAL STORAGE COMPARTMENT  
SEAT ARM RESTS, INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY  
SEAT COVERING, CLOTH W/VINYL TRIM DRIVER AND RIDER  
SEAT, DUST COVER FOR DRIVER'S SEAT  
SEAT BELTS/RETRACTORS, LAP AND SHOULDER W/CAB MOUNTED SHOULDER BELT W/ADJUSTABLE D-RING FOR  
DRIVER & RIDER SEATS  
W/O SEAT BELT INDICATOR  
W/O ROOF VENT VENTILATION  
STARTER SWITCH, KEY TYPE  
STEERING COLUMN, ADJUSTABLE TILT TELESCOPE  
STEERING WHEEL, TWO SPOKE URETHANE GRIP BRUSHED NICKEL SPOKES  
STORAGE POUCH REAR  
SUN VISOR, EXTERIOR, FIBERGLASS (CAB COLOR)  
SUN VISOR - INTERIOR, BOTH SIDES (PADDED VINYL)  
TURN SIGNAL SWITCH, SELF CANCELLING TURN SIGNALS  
WINDOW CONTROLS, POWER WINDOW LIFT WITH ELECTRIC DOOR LOCK, LH & RH  
WINDSHIELD, 2-PIECE WINDSHIELD  
WINDSHIELD WASHER RESERVOIR, W/O WINDSHIELD WASHER OPTION  
WINDSHIELD WIPERS; 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE  
FRAME EQUIPMENT/FUEL TANKS  
BUMPER - FRONT, EXT. SWEEP BACK STEEL CHANNEL 122.5/3112 mm BBC  
CROSSMEMBERS, BOC AND INTERMEDIATE CROSSMEMBERS, HD I-BEAM  
CROSSMEMBER (BEHIND REAR AXLE), W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE  
FIFTH WHEEL, W/O FIFTH WHEEL  
WITHOUT FIFTH WHEEL MOUNTING ANGLES  
FLAPS - MUD (REAR), W/O REAR MUD FLAPS  
FRONT FRAME EXTENSION, 20" FOR SNOW PLOW MOUNT (CONT' PARENT RAIL) W/TILT W/INSPECTION HATCH TYPE



## Description

HOOD W/SWEPT-BACK STEEL BUMPER

MUD FLAP BRACKETS; OMIT MUD FLAP BRACKETS

RADIATOR GUARD, W/O RADIATOR GUARD

W/O TAPERED FRAME RAIL ENDS

TOOL BOX, W/O TOOL BOX

TOWING DEVICE - FRONT, HOOKS

TOWING DEVICE - REAR, W/O REAR TOWING DEVICE

FUEL TANK - LH, 72 GALLON (276 L) ALUMINUM 28" DIAMETER

FUEL TANK - RH, OMIT RH STANDARD

FUEL TANKS - BRIGHT FINISH, W/O SPECIAL FINISH FUEL TANK

STANDARD FINISH STEPS AND STAINLESS STEEL BRIGHT FINISH STRAPS

8.7 GALLON (33 L) DEF TANK

WITHOUT DEF TANK COVER

W/O FUEL LINE OPTION

W/O FILLER NECK SCREEN OPTION

FURNISH STANDARD FUEL TANK CAP

W/O ISOLATED TANK(S)

RELOCATE FUEL TANK, W/O RELOCATED FUEL TANK(S)

## FRONT AXLE/EQUIPMENT/TIRES

FRONT AXLE, 20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS

FRONT AXLE - TWIN STEER, WITH SINGLE STEER FRONT AXLE

TIRES BRAND/TYPE - FRONT, BRIDGESTONE - TUBELESS RADIAL PLY, (2) 315/80R22.5 20 L M860A (ALL POS)

WHEELS - FRONT, ALUMINUM DISC

(2) 22.5x9.0 ALCOA ULTRA ONE (10-HOLE HUB PILOTED) (11 1/4" 288mm BC) 5.94" INSET

WHEELS - POLISHED (FRONT), MACHINE CLEAN BUFFED-ALL WHEELS

BRAKES - FRONT, MERITOR "S" CAM TYPE 16.5" x 6" Q+

BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED

DUST SHIELDS - FRONT BRAKE, FURNISH

HUBS - FRONT, FERROUS

FAG SCHAFFLER; FRONT GREASE SEAL

SHOCK ABSORBERS, FRONT

SLACK ADJUSTERS - FRONT, HALDEX - AUTOMATIC

SPRINGS - FRONT, MACK TAPERLEAF 20000# (9072kg) GROUND LOAD RATING

SPRING BUILD-UP, W/O SPRING BUILD-UP

STEERING, SHEPPARD SD110 + HD94

W/O FRONT WHEEL GUARD OPTION

W/O WHEEL LUGWRENCH

## REAR AXLE/EQUIPMENT/TIRES/RATIOS

REAR AXLE/SUSPENSION, 52000# (23800kg) MACK S522 (268 1029) CAST DUCTILE IRON HOUSING, S552 MACK

MULTILEAF (CAMELBACK) 52000#

4S/4M SYSTEM REAR WHEEL END SENSORS

W/O WIDE TRACK AXLE OPTION

TIRES BRAND/TYPE - REAR, BRIDGESTONE - TUBELESS RADIAL PLY, (8) 12R22.5 10 H M843 (ALL POSITION)

CARRIER/RATIO - REAR AXLE, CRDP150/151, 3.79 RATIO

WHEELS - REAR, ALUMINUM DISC

(8) 22.5x9.0 ALCOA ULTRA ONE 10-HOLE HUB PILOTED (11 1/4" 288mm BOLT CIRCLE) 6.94" OUTSET

## Description

WHEELS - POLISHED (REAR), MACHINE CLEAN BUFFED - ALL WHEELS  
BRAKES - REAR, MERITOR HEAVY DUTY "S" CAM 16.5"x17" Q+  
BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED  
DUST SHIELDS - REAR BRAKE, FURNISH  
W/O LUBE PUMP AND FILTER  
HUBS - REAR, FERROUS  
OIL SEALS, CHICAGO RAWHIDE (SCOTSEAL)  
POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES IN CAB MANUAL AIR VALVE)  
WITHOUT SHOCK ABSORBERS - REAR  
RUBBER SHOCK INSULATORS  
SLACK ADJUSTERS - REAR, HALDEX - AUTOMATIC  
SUSPENSION - AXLE SPACING, 55" AXLE SPACING (BOGIE WHEELBASE)  
SUSPENSION - HEIGHT CONTROL KIT, W/O AIR SUSPENSION HEIGHT CONTROL  
AIR SUSPENSION DUMP WARNING, WITHOUT AIR SUSPENSION DUMP WARNING  
SPRINGS, ANTI-SWAY  
SPRING BRAKE CHAMBERS - QUANTITY, (4) DOUBLE DIAPHRAGM TYPE, MECHANICAL SPRING RELEASE, (2) MOUNTED  
ON EACH AXLE  
SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT)  
REAR SPRING BRAKE CHAMBERS 30/30 TYPE  
SYNTHETIC LUBRICANT - REAR AXLE, FACTORY OPTION LUBE REAR AXLE  
WITHOUT TRANSVERSE TORQUE RODS  
DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK BOTH RR AXLES, MANUAL AIR VALVE W/WARNING LIGHT  
BRONZE TRUNNION BUSHING  
W/O PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM  
STANDARD WHEEL STUD OPTION  
NON-DRIVE AXLES  
PUSHER AXLE, W/O PUSHER AXLE  
TAG AXLE, W/O TAG AXLE  
FRAME/WHEELBASE/PLATFORM  
WHEELBASE, 197" (4995 mm) WB, 109" CA (2772 mm)  
PLATFORM, 165" LP (4202 mm) 56" AF (1430 mm) USED WITH 197" WB  
FRAME RAILS, 11.811" x 3.54" x .44" (300 x 90 x 11.1mm) STEEL Section Modulus: 23.5 cu in/RBM 2,820,000 in lbs per rail  
FRAME REINFORCEMENT - INSIDE, W/O 5MM INSIDE CHANNEL REINFORCEMENT  
RUST PREVENTION, W/O RUST PREVENTION  
AIR/BRAKE  
AIR DRYER, MERITOR/WABCO HEATED AIR DRYER, 1200 W/COALESCING OIL FILTER  
W/O RELOCATED AIR TANKS  
AIR RESERVOIRS, ALUMINUM, STANDARD FINISH  
ANTI-LOCK BRAKE SYSTEM, BENDIX WITH TRACTION CONTROL  
AIR CONTROL VALVES - VENDOR, BENDIX SWITCHES AND VALVES WHERE POSSIBLE  
BRAKE CONTROL VALVE SYSTEM, SINGLE VALVE SYSTEM  
DRAIN VALVES, MANUAL DRAIN VALVES, WITH LANYARDS ON ALL TANKS  
HAND CONTROL VALVE FOR REAR SERVICE BRAKES  
INCREASED AIR CAPACITY, W/O INCREASED AIR RESERVOIR CAPACITY  
W/O TRAILER ACCESS PACKAGE  
TRAILER CONNECTIONS

## Description

TRAILER AIR CONNECTIONS, OMIT TRAILER AIR BRAKE CONNECTIONS  
WITHOUT HOSE TENDER  
W/O TRAILER AIR HOSES  
W/O TRAILER ELECTRICAL CABLE  
TRAILER ELECTRICAL RECEPTACLE, SINGLE 7 PINS STD SAE TYPE, END OF FRAME  
OMIT TRAILER CONNECTORS HOLDER

## ELECTRICAL

BACK-UP ALARM, W/O BACK-UP ALARM  
BATTERY BOX COVERS: MOLDED PLASTIC  
BATTERY BOX - MOUNTING, (1) BATTERY BOX LEFT HAND RAIL  
W/O BATTERY DISCONNECT SWITCH  
W/O BATTERY SHOCK PADS  
W/O OPTIONAL DASH MTD. LIGHT  
CHASSIS & POWER HARNESS WITH HEAVY DUTY CASING  
"BODY LINK" III W/CAB PASS-THRU  
W/O EMERGENCY STARTING RECEPT.  
W/O BUMPER AUXILIARY LAMPS  
REAR LIGHTING, FURNISH REAR LIGHTING  
TRAILER HOOK-UP LIGHT, W/O CAB MTD TRAILER HOOKUP LAMP  
WORK LIGHTS, W/O WORK LIGHTS

## PAINT

PAINT - CAB EXTERIOR, SINGLE COLOR, MACK YELLOW [PPG: P9016]  
PAINT - CAB, URETHANE CLEAR COAT  
PAINT - CHASSIS RUNNING GEAR, MACK BLACK (URETHANE)  
PAINT - BUMPER, SAME AS CHASSIS RUNNING GEAR  
PAINT - FRONT SPOKE WHEELS, WITHOUT OPTIONAL SPOKE WHEEL PAINT  
WITHOUT OPTIONAL SPOKE WHEEL PAINT  
WITHOUT SPECIAL PRE-FINISHED OPTION  
WITHOUT SPECIAL PRE-FINISHED OPTIONS

## PAINT PROCESS CODES

SAME COLOR AS CHASSIS RUNNING GEAR (5ZB-A1X)  
CHASSIS RUNNING GEAR - STD COLOR (MACK BLACK) (6AB-Z1X)  
W/O PAINT FOR FUEL TANK (7HB-Z1X)  
W/O CUSTOM PAINT FOR HUB&DRUM/SPOKES (5YB-Z1X)  
W/O CUSTOM PAINTED FRONT/REAR RIM/WHEEL (6BB-Z1X)

## PTO/SPECIALTY/ADDITIONAL EQUIPMENT

PTO - CRANKSHAFT ADAPTER, 1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)  
PTO - REAR ENGINE (REPTO), WITHOUT REAR ENGINE POWER TAKE OFF  
PTO - REAR MOUNTED, W/O REAR MTD PTO  
PTO - CONTROL, mDRIVE SINGLE PTO PREP KIT W/ ILLUMINATED DASH MTD SWITCH AND PIPING FOR LOCAL INSTALL  
W/O TRANS TORQUE CONVERTER  
W/O SPECIAL DECALS

## V-MAC IV PROGRAMMABLE PARAMETERS

CUSTOMER VEHICLE LIMITING SPEED (MPH) 65 mph  
PEDAL ROAD SPEED LIMITER (MPH) 65 mph  
LGVLS FEATURE ACTIVATION Omit

## Description

FEI REWARD TARGET FUEL ECONOMY (MPG) 0.0  
FEI REWARD VEHICLE SPEED INCREASE (MPH) 0 mph  
FEI DISTANCE CALCULATION INTERVAL (Miles) 00  
GOVERNOR SETTINGS FOR USE WITH AUTOMATIC TRANSMISSIONS  
GOVERNOR TYPE Min-Max Governor  
ENGINE HIGH IDLE SPEED IF STOPPED 0000  
VEHICLE ACCELERATION LIMITING FEATURE Disable  
REDUCED ENGINE RPM RANGE IN UPPER GEARS FEATURE Disable  
ENGINE RPM LIMIT IN UPPER GEARS 0000  
1st TRANS RATIO FOR REDUCED HIGH IDLE 0000  
LAST TRANS RATIO FOR FULL HIGH IDLE 0000  
ENGINE LOW IDLE SET SPEED (RPM) 650 rpm  
DRIVER LOW IDLE ADJUST FEATURE ACTIVATION Omitt  
SMART IDLE FEATURE ACTIVATION Omitt  
SMART IDLE ELEVATED IDLE RPM TIME (MINS) 10  
IDLE S/D ABS TAMPER CHECK Omitt  
IDLE COOLDOWN FEATURE ACTIVATION Omitt  
IDLE SHUTDOWN FEATURE ACTIVATION Omitt  
IDLE SHUTDOWN TIME (MINS) 10  
IDLE SHUTDOWN WARNING TIME (SECS) 30  
IDLE SHUTDOWN WARM-UP TEMPERATURE (DEG F) 100  
IDLE SHUTDOWN WARM-UP TIMER (MINS) 5  
IDLE S/D OVERRIDE W/EHT Omitt  
IDLE S/D OVERRIDE W/PTO Furnish  
IDLE S/D OVERRIDE W/ENGINE LOAD Furnish  
IDLE S/D OVERRIDE % ENGINE LOAD THRESHOLD 20  
IDLE S/D CONTROL W/O Idle Shutdown  
IDLE S/D OVERRIDE LOWER TEMP. THRESHOLD (DEG F) 80  
IDLE S/D OVERRIDE UPPER TEMP. THRESHOLD (DEG F) 80  
MAINTENANCE MONITOR FEATURE ACTIVATION Furnish  
PTO 1 MAX ENGINE SET SPEED (RPM) 2100 rpm  
PTO 1 MIN ENGINE SET SPEED (RPM) 600 rpm  
PTO 1 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph  
PTO 1 RAMP RATE (RPM/Sec) 100  
PTO 1 SINGLE SPEED CONTROL ACTIVATION Omitt  
PTO 1 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm  
PTO 1 SINGLE SPEED CONTROL AUTOSET Omitt  
PTO 1 JUMP-TO-MIN SET SPEED Omitt  
PTO 1 VEHICLE LIMITING SPEED (MPH) 60 mph  
PTO 1 HOLD TO NEAREST RPM 50 rpm  
PTO 1 ACCEL-DECEL BUMP-UP RPM 50 rpm  
PTO 1 ACCEL-DECEL BUMP-DOWN RPM 50 rpm  
PTO 2 MAX ENGINE SET SPEED (RPM) 2100 rpm  
PTO 2 MIN ENGINE SET SPEED (RPM) 600 rpm  
PTO 2 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph  
PTO 2 RAMP RATE (RPM/Sec) 100

## Description

PTO 2 SINGLE SPEED CONTROL ACTIVATION Omil  
PTO 2 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm  
PTO 2 SINGLE SPEED CONTROL AUTOSET Omil  
PTO 2 JUMP-TO-MIN SET SPEED Omil  
PTO 2 VEHICLE LIMITING SPEED (MPH) 60 mph  
PTO 2 HOLD TO NEAREST RPM 50 rpm  
PTO 2 ACCEL-DECEL BUMP-UP RPM 50 rpm  
PTO 2 ACCEL-DECEL BUMP-DOWN RPM 50 rpm  
SPEED SENSOR TAMPER DETECTION SYSTEM ACTIVATION Furnish  
SPEED SENSOR TAMPER DETECTION TORQUE LIMIT (%) 50

## DEALER INFORMATION

ENGINE WARRANTY, 2YR/250,000 MILES ENGINE WARRANTY US10

PILOT INSPECTION, WITHOUT PILOT INSPECTION

PREPARE TRUCK FOR DELIVERY

FRONT FENDER MIRRORS

ICC KIT

ONE YEAR TOW

JC MADIGAN

STANDARD SHIPPING INSTRUCTIONS

MARKETING PROMOTION; NO FMV LEASE, TRADE BACK RESIDUAL OR TRADE IN WITH MACK PARTICIPATION

PERFORMANCE/GRAPHICS/TECH DATA

AMBIENT TEMPERATURE, 77F (25.0C)

BACK OF CAB INTERFERENCES, 0.0" (0mm) FROM BACK OF CAB

SOFT PRODUCTS/BULLDOG PROTECTION

2 YEARS COVERAGE

NO PARTNERED SERVICES PROVIDED



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2019042206		
Project Title:	Truck 1-8, Diesel Pick up Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2006 truck with a new pick up truck.

The expected useful life of a pick up Truck varies depending on the activities that the machine is used for. The average lifespan for an average truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 14 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.

**Benefits of Project and Impact if Not Completed:**

The existing 1-8 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it is used for travel for light jobs around town including replacing traffic lights, after hours calls, to transport equipment parts, and for snow spot checking.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$40,000 to the 2020 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$40,000		\$40,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



# QUOTE

## CUSTOMER

Contact Name: George Mason  
 Company/Dept: Town of Scituate  
 Street Address: 600 Chief Justice Cushing highway  
 City, State, Zip: Scituate MA  
 Phone: 781-630-1957  
 E-Mail: gmason@scituatema.gov

Date: October 23, 2017  
**Valid for:** \_\_\_\_\_  
 Customer #: \_\_\_\_\_  
 Contract: MAPC / GBPC  
 Sales Rep: Jay Matisko

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
F2B	Ford F250 Pick - Up			\$25,700.00
	4X4			Include.
	Color : Blue Jeans (N1)			Include.
	Estimated model increase			1,700.00
	6.2L V8 Gasoline Engine; with Automatic Transmission			Include.
	Air Conditioning			Include.
	Class III 2" Hitch Receiver with Factory 4 & 7 way plugs			Include.
	AM/FM radio with digital clock			Include.
X3E	Limited Slip			378.30
473	Snow Plow Prep			82.45
TBM	All Terrain Tires - SRW			160.05
90L	Power Equipment Group			887.55
18B	Factory Running Boards			310.40
66S	Factory Upfitter Switches			160.05
	Whelen LED Hideaways (2) front (2) rear Amber			455.00
	Back up Alarm			85.00
	Rhino Spray In			545.00
	8' Fisher plow			5,795.00
	Rubber sno Foil			\$335.00
	Steel cutting edge			\$245.00
	<b>Option: Diesel engine \$8725</b>			
			TAX:	
			<b>TOTAL:</b>	<b>\$36,838.80</b>

### TERMS AND CONDITIONS

\*This quote is valid for 60 days from the date of quote. Any purchase orders or approved quotes received outside of the 60 day quote period will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

M.G.L c. 30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L c 30B sec 1c and M.G.L c.7 sec 22B. The government body is responsible to determine the applicability of M.G.L. c30B to off contract items, but not limited to off contract items that have already been properly procured under M.G.L. c30B, sec 1c and M.G.L. c7 sec 22A (purchases from a vendor on



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2019042206	
Project Title:	Glades Road Sidewalk	
Category:	Construction	
Department:	Highway	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring     Resubmission

                  Multiyear     Phase \_\_\_ of \_\_\_

**Description:**

*Sidewalk Replacement  
Saw cut 670 lf, remove existing concrete (662lf) and mixture of 436 LF of granite/concrete curb, install new granite curbing, and dense grade, grade sidewalk, and final paving of sidewalk.*

**Benefits of Project and Impact if Not Completed:**

*Sidewalk is in need of repair and is heavily traveled in summer months.*

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$43,000	\$43,000					<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$0						<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other _____	
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant/CPA Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing	
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$43,000</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Operating Budget Impact**

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				



**Mass Pavement Reclamation, Inc**

1356 Hanover Street

Hanover, MA 02339

Phone # 7818268388 Fax # 781-826-8358

E-mail: MASSRECLAMATION@AOL.COM

**Proposal**

DATE	PROPOSAL #
8/16/2017	2017-029

NAME / ADDRESS
Town of Scituate Department of Public Works 600 Chief Justice Cushing Highway Scituate, MA 02066

PROJECT
Sidewalk Replacement (17)

SCOPE OF WORK
JOB: SIDEWALK REPLACEMENT @ GLADES ROAD SCITUATE, MA
Scope of Work: -Saw cut approximately 670 LF -Remove existing bituminous sidewalk (662 LF) & mixture of approximately 436 LF of granite/concrete curb -Installation of new granite or concrete curb (approximately 462 LF) -Installation of 3/4" dense grade (approximately 60 tons) & grading of new sidewalk -Paving of new bituminous sidewalk with 3" HMA (1.5" binder & 1.5" top) -No police details included in price
OPTION 1: (Includes granite curb) \$42,788.51
OPTION 2: (Includes concrete curb) \$37,939.71

Please add Mass Pavement Reclamation, Inc. as additional excavator onto your digsafe ticket and supply us with the valid digsafe number. We are not responsible for damage to any subsurface structure that is not clearly marked as to location and depth.

The work to be performed in accordance with the drawings & specifications submitted.

Payments are as follows:  
30 Days

Respectfully Submitted by *Michael Gallant*  
Thank You.  
Proposal may be withdrawn within 30 days.

The above scope of work, prices, and conditions are hereby accepted.  
Contractor is authorized to do work mentioned above.

Any alteration or deviation from above scope of work will become extra charge over and above this proposal.

\_\_\_\_\_  
Date

Please sign and return (1) copy to us. Thank You.

**Customer Signature** \_\_\_\_\_



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 11/3/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-410-1	
Project Title:	Utility Vehicle	
Category:	Equipment/Vehicle	
Department:	Contact:	Kevin Kelly

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:

New       Recurring       Resubmission

Multiyear       Phase \_\_\_ of \_\_\_

Description:

Purchase a small utility vehicle for staff who service and clean seven town buildings throughout the Town.

Benefits of Project and Impact if Not Completed:

Employee uses of town vehicle, instead of personal vehicle. Able to transport tools and supplies from site to site as well as provide other supplies to various buildings

Discuss Operating Budget Impact:

*Explain the project's short- and long-term impacts on the community's operating budget.*

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$26,000	\$26,000					<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$26,000</b>	<b>\$26,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$26,000	\$26,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

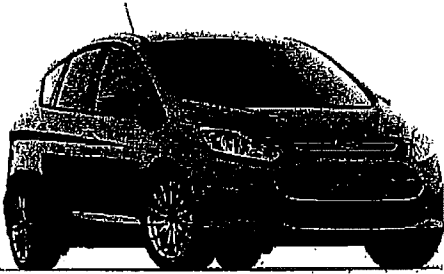
Housing

Operating Budget Impact

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				

## Plymouth County Commissioners Cooperative Procurement Specifications

### FOUR DOOR - FRONT WHEEL DRIVE HYBRID VEHICLE



**Manufacturer:** FORD MOTOR COMPANY

**Model Year:** 2015 OR CURRENT

**Model Name:** C-MAX SE HYBRID

**Specification:** 15-08

**Contract Price:** \$21,200.00

#### STANDARD EQUIPMENT SUMMARY

- 2.0L I4 Atkinson Cycle Engine
- 141 Horsepower @ 6000 rpm
- 129 lb.-ft. torque @ 4000 rpm
- Transmission — electronically controlled continuously variable (ECVT) with grade assist
- Electric traction motor — 88-kW
- Front Wheel Drive
- Brakes — 4-wheel disc with Anti-Lock Braking System (ABS) and regenerative braking
- AdvanceTrac with RSC (Roll Stability Control)
- 330V sealed nickel-metal hydride battery
- Four wheel independent suspension
- Electronic power assisted steering
- Four (4) P225/50R17 all-season BSW tires
- Tire Mobility Kit (takes the place of spare tire)
- Wheels — 17" machined aluminum
- 15.0 gallon fuel tank
- Cruise control — steering wheel-mounted
- Windows — power with global one-touch up/down and global open
- Door locks — power
- Seating, Driver 6-way manual cloth bucket
- SYNC with MyFord
- Steering column — manual tilt/telescoping
- Remote Keyless Entry System with integrated keyhead transmitters
- Steering wheel — cruise and redundant audio controls
- Front cloth bucket seats
- Rear 60/40 split-fold-down seat backs
- Defroster — rear window
- Climate control — dual-zone electronic automatic temperature control
- AM/FM single Single-CD/MP3 with 6 speakers, 60 watts, USB port and audio input jack
- Tire Pressure Monitoring System (TPMS)
- SecuriLock passive anti-theft system
- EPA estimated fuel economy city 42 highway 37 combined 40

## Plymouth County Commissioners Cooperative Procurement Specifications

### FORD C-MAX SE MODEL OPTIONS

CODE	DESCRIPTION	PRICE
<b>Series Code</b>		
P5B	Upgrade to SEL Hybrid model	\$3,250.00
P5C	Upgrade to SEL Plug-In Hybrid model	\$9,150.00

<b>Equipment Groups</b>		
201A	Equipment Group 201A SE Power Liftgate and Rear Park Aid Package	\$875.00
202A	Equipment Group 202A SE SYNC, MyFord Touch & Sirius Package	\$570.00
203A	Equipment Group 203A Includes 201A, 202A and 5 Year Sirius Traffic & Travel Link	\$2,125.00
301A	Equipment Group 301A SEL Premium Audio and Navigation	\$1,295.00
302A	Equipment Group 302A, Included 301A & Hands-Free Technology Package	\$2,095.00
303A	Equipment Group 303A, Includes 301A, 302A & Parking Technology Package	\$2,885.00
47W	Winter Package	\$280.00
43P	Panoramic Fixed Glass roof	\$1,250.00
90C	Exterior Protection Package	\$235.00
47P	Interior Protection Package	\$165.00

CODE	DESCRIPTION	PRICE
96C	Cargo Management System 1	\$110.00
66F	Remote Start system, SE model	\$375.00
66R	Remote Start system, SEL model	\$375.00
90A	Keyless entry Keypad	\$90.00
76F	Stainless Steel Door Scuff Plates	\$90.00
96D	Charge Port Door Graphic	\$60.00
76A	Charge Cord Bag	\$65.00
76B	Full Vehicle Car cover (C-MAX Logo)	\$360.00
94Z	Daytime Running Lamps	\$42.00
41H	Engine Block Heater	\$32.00
94B	Smokers Package	N/A

<b>Ford Extended Service Plans: Discount from MSRP</b>	<b>20%</b>
<b>Ford Factory Options: Discount from MSRP</b>	<b>5%</b>

**CROSSOVERS / SUVs**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2019-220-3	
Project Title:	Replace 2005 Administrative vehicle	
Category:	Vehicle Replacement	
Department:	Fire Dept.	Contact: Chief John Murphy

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input checked="" type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

To replace a 2005 Fire Administration vehicle. This vehicle is a 2005 Chevy Tahoe with 116,479 (city) miles driven. This vehicle is driven by the Deputy on emergency calls, administrative use, and daily inspections.

**Benefits of Project and Impact if Not Completed:**

Historically the administrative vehicles have been replaced on a 10-12 year rotation. In FY19 this vehicle will be 13 years old with an estimated 125,000 city miles which tends to increase wear and tear compared to highway miles. Older vehicles have the tendency to break down more which could present a public safety challenge during an emergency event.

**Discuss Operating Budget Impact:**

Vehicles over 10 years old in excess of 100,000 miles on them may not be cost effective to maintain as the cost of repairs can exceed the value of the vehicle. A recent inspection of this vehicle showed substantial rust issues on bumpers and especially the under carriage. The estimate for the vehicle is \$37,912.76. The estimates from my mechanic for equipment are: Lights & Siren Package \$2,913, 2 UHF radio's \$2000, Command console \$6000. Total \$48,825.76.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$48,825	\$48,825				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$48,825</b>	<b>\$48,825</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**

Check all that apply

- Tax Levy
- Debt
- Enterprise Retained Earnings
- Capital Stabilization
- Free Cash
- Revolving Fund
- CPA
- Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**

Check all that apply

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

F419-230-5

Use one quote form per speced out vehicle. Only multiples of the same speced out vehicle can be included in each form. For options/upfits/transferred equip., each line item must be fully populated.

VEH98 Quotation Form V.1.2



Quote Date: 10/23/2017

Order by Date:

Quote Number: 12/12/1900

AGENCY INFORMATION	
Agency:	Town of Scituate
Secretariat:	
Department Name:	Scituate Fire Department
Address:	149 1st Parish Rd. Scituate Ma. 02066
Contact Name:	Lt. Eric Norlin
Phone:	781-831-0512
Email:	enorlin@scituatema.gov
Unit Code (Billing):	

VENDOR INFORMATION	
Vendor Name:	Mirak Chevrolet
Address:	1125 Massachusetts Ave, Arlington
Contact Name:	Jeff Calder
Phone:	781-641-6855
Email:	jcalder@mirak.com
Vehicle Coming From:	Dealer Inventory/Stock
(check one box):	<input checked="" type="checkbox"/> Factory Order
	<input type="checkbox"/> Already on order for dealer inventory

VEHICLE INFORMATION			
VEH98 Vehicle #:	SUV037	Exterior Color:	GBA Black
Year:	2018	Interior Color:	HOU Black Cloth Seat Trim
Make:	Chevrolet	Engine (as quoted):	L83
Model:	4WD SSV Tahoe	Cylinders:	8
Trim Level:	FL	Primary Fuel Type:	UL Gas
Body Code:	CK15706 / 5W4	Secondary Fuel Type:	
*In case of minibid or vehicle upfit only, type in "Mini-bid" or "Upfit".			
Vehicle Quantity:	1	Contract Base Vehicle Price:	\$40,659.64

ADDED FACTORY OPTIONS AND PACKAGES (PER VEHICLE)						
Quantity per Vehicle:	Factory Code:	Description:	MSRP:	Discount %:	Contract Unit Price:	Total Per Vehicle:
	CK15706	4WD Tahoe				
	L83	5.3L V8				
	MYC	6 Speed Automatic Transmission				
	1FL	Commercial Equipment Group				
1	5W4	Special Service Vehicle	(\$4,110.00)	7.20%	(\$3,814.08)	(\$3,814.08)
	RKX	18" All Season Tires				
1	PZX	18" Aluminum Wheels	\$600.00	7.20%	\$556.80	\$556.80
1	A95	Front Bucket Seats	\$250.00	7.20%	\$232.00	\$232.00
1	6J7	Flasher System	\$495.00	7.20%	\$459.36	\$459.36
1	BTV	Remote Start	\$300.00	7.20%	\$278.40	\$278.40
Factory Options Total (per vehicle):						(\$2,746.88)

QUOTE FORM SUMMARY			
Vehicle Leadtime to Dealer (once order placed):	Approx. 10 -12 weeks	Factory Options (per vehicle):	(\$2,746.88)
Upfit/Equip. Work Leadtime at Dealer:		Accessories/Upfit (per vehicle) from back:	\$0.00
TOTAL Order to Delivery Leadtime (In weeks, Executive Agencies to Westborough):		Transferred Equipment (per vehicle) from back:	\$0.00
Trade-in Information (does not apply to Executive agencies):		Contract Base Vehicle Price:	\$40,659.64
		Trade in value:	
TOTAL COST PER VEHICLE (including all add-ons):			\$37,912.76
VEHICLE QUANTITY:			1
TOTAL PURCHASE PRICE (including trade in value if applicable):			\$37,912.76

F419-220-3

**Eric Norlin**

**From:** Mari-beth Paglinco <mbpaglinco@comcast.net>  
**Sent:** Tuesday, October 24, 2017 12:24 PM  
**To:** Eric Norlin  
**Subject:** RE: Scituate MA Quote

HI Eric,  
See below.

---

**From:** Eric Norlin [mailto:enorlin@scituatema.gov]  
**Sent:** Tuesday, October 24, 2017 12:09 PM  
**To:** Mari-beth Paglinco  
**Subject:** Scituate MA Quote

**Mari-beth any chance I can get a quote for the following. We are spec a new vehicle**

1X45UFZ \$1036.00 LIST \$621.60 COST  
OELS45 \$1069.00 LIST \$641.40 COST  
M4# RED LED LIGHTS (2) M4CT15B \$234.00 LIST \$140.40 COST WITH TAHOE BRACKETS M4CT15B \$71.00  
LIST \$42.60 COST  
CCSRN36 \$1396.00 LIST \$837.60 COST  
(2) SA315P \$328.00 COST \$196.80 COST W/ BRACKETS FOR 2017 TAHOE SAK62D DRIVER SIDE  
MOUNT SAK63P PASS SIDE MOUNT \$41.00 LIST \$24.60 COST

Eric Norlin  
Lieutenant/ Mechanic  
Scituate Fire Department  
781-545-8748  
Cell 781-831-0512

\$ 2,913 lights/sirens  
+ 2,000 Radios  
\$ 6,000 Console  

---

10,913  
Total 48,825.76

Please remember when writing or responding that the Secretary of State's Office has determined that email is a public record and all e-mail communications sent or received by persons using the Town of Scituate network may be subject to disclosure under the Massachusetts Public Records Law (M.G.L. Chapter 66, Section 10) and the Federal Freedom of Information Act.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-300---
Project Title: Wampatuck Playground	
Category: Building Renovation	
Department: School	Contact: Robert Dillon

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

*Playground needs to be replaced. Had consultant inspect and getting complaints from school and general public that some of the equipment is not working properly. Sharp edges, broken seats, metal breaking down and showing rust. Components are breaking down and out dated and can't be replaced. This is for all three playgrounds on this lot. Since we have added ECC and didn't replace that playground just moved it it needs replacing.*

**Benefits of Project and Impact if Not Completed:**

Safe equipment for 350 students at this complex. Physical education safety and learning along with swinging, climbing and balance needed for child development.

**Discuss Operating Budget Impact:**

*We have tried to maintain and have reached the end of the useful life to these playgrounds. We have tried to get spare parts to replace the apparatus and when we do find spare we can't attach due to age and wear. The School Department has spent countless hours along with the DPW completing these task.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$20,000	\$20,000					<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$90,000	\$90,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$10,000	\$10,000					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

*Submitted to CPC*



## Nancy Holt

---

**From:** Donlan, Paul <pdonlan@scit.org>  
**Sent:** Wednesday, November 01, 2017 1:01 PM  
**To:** Nancy Holt  
**Subject:** Playground

Nancy

Please pull the Wampatuck playground. We are going the CPC way maybe next year.

Paul G. Donlan  
Director of Business and Finance  
Scituate Public Schools  
781-545-8759 x 300

### Scituate Public Schools legal disclaimer:

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-300-4		
Project Title:	Resurface Asphalt Drives & Parking		
Category:	Construction		
Department:	School	Contact:	School Superintendent

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

Multiyear       Phase \_\_\_ of \_\_\_

**Description:**

*The plan to resurface asphalt drives and parking lots is as follows; Hatherly, Cusing & Wampatuck. Estimates were previously provided by DPW. The Wampatuck project should be considered in conjunction iwth a traffic study to see if the front drive/bus loop needs to be extended.*

**Benefits of Project and Impact if Not Completed:**

*The parking lots and drives are seriously deteriorating and need immediate attention. With the new middle school project, the high school drive and lots will be resurfaced. Old Gates, though in need of attention, will be taken offline as a school and therefore the town will need to consider future rehabilitation of the parking areas. Jenkins is in fairly good shape, leaving only three other elementary schools in need of repair.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$964,498	\$266,530	\$424,780	\$273,188			<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$0						<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other _____	
<b>TOTAL</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>		

CPA Purpose(s) Check all that apply	
<input type="checkbox"/> Open Space	
<input type="checkbox"/> Recreation	
<input type="checkbox"/> Historical	
<input type="checkbox"/> Housing	

**Operating Budget Impact**

Grant Amount Requested	\$0						
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>	
During Project	\$0						
Post-Project Annual							
Post-Project One-time	\$0						

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/10/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2018-300-07
Project Title	Interior Fire Doors at Wompatuck
Category:	
Department School	Contact: John McCarthy/Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New | Recurring [ ] | Resubmission [ ]

Multiyear | Phase \_\_\_ of \_\_\_

**Description:**  
 We would like to change out all of our interior doors for fire rated doors with automatic alarm closings. This is fire protection and fire containment.

**Benefits of Project and Impact if Not Completed:**  
 Additional fire safety and containment throughout the building. No impact if not completed as we will continue with functioning doors but not fire rated or tied to our alarm system.

**Discuss Operating Budget Impact:**  
 There is no budget impact as existing doors are adequate just not fire rated or wired to our alarm.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquis	\$0					
Constructio	\$0					
Equipment/	\$70,000	\$70,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
 Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amou	\$0					
CPA Amoun	\$0					
<b>Net of CPA</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
 Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Proj	\$0					
Post-Project Annual						
Post-Project	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 9/28/17

Date of Last Edit: 12/15/17\_

Project Number:	FY 2019-630-02	
Project Title:	Replacement of Track	
Category:	Construction	
Department:	Recreation	Contact: Maura Glancy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: NEW  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

**Description:**

The track is approximately 15-17 years old and has approached a critical state of repairs. The track is composed of six layers of rubber and latex granules placed on top of an asphalt base. The bottom four layers (black) are the foundation for the track and the top two layers are the color (red) and UV protection. The UV protection layers prevent the four layers underneath from breaking down from UV exposure. The UV surface of the track began to break down about four years ago causing cracking and pitting of the track surface. The track was built with only six lines and requirements for a standard high school track are eight lines for the long stretch to converge down to six lines for the remainder of the loop. Phase 1 includes the hardscape repairs. An optional Phase 2 of \$370,000 would include bleachers and a press box and is not included in the cost listed below.

**Benefits of Project and Impact if Not Completed:**

There years ago both turf and track were introduced for repairs before the break down of the infrastructure. The Town awarded funds for the turf carpet to be replaced but the track was withdrawn at that time. Due to the delay the track renovation cost has increased. It was suggested by two vendors providing estimates that the two projects should be done simultaneously to be more cost effective and less impactful on the students and citizens using the facility.

**Discuss Operating Budget Impact:**

The longer the project is delayed, the higher the cost will be to make the repairs. A consultant has examined the track and the turf field and provided a comprehensive estimate of the needed repairs to make the facilities compliant and safe.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$1,619,300	\$1,619,300					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$298,395	\$298,395					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$1,917,695</b>	<b>\$1,917,695</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant/CPA Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$1,917,695</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

Project has been submitted to CPC for FY 2019.



**Opinion of Probable Cost - Scituate High School Field and Track**

Item	Quantity	Unit	Unit Price	Total
<b>Site Preparation/Demolition</b>				
Remove & Dispose of Field and Track	1	LS	\$35,000	\$35,000
Erosion Controls	2,000	LF	\$3	\$10,000
<b>Subtotal</b>				<b>\$45,000</b>
<b>Phase 1 Track &amp; Field Improvements</b>				
Fine Grading of Synthetic Turf Field	1	LS	\$25,000	\$25,000
Rough Grading of Track and Field	1	LS	\$35,000	\$35,000
HMA with 6" Stone base- D Areas and Long Jump	7,029	SY	\$32	\$225,000
Synthetic Turf	89,339	SF	\$4.00	\$357,400
Shock Pad	89,339	SF	\$1.00	\$89,400
Field Barrier Netting	440	LF	\$130.00	\$57,200
Football Soccer Goal Pak	1	LS	\$35,000	\$35,000
Track Surface	7,029	SY	\$50	\$351,500
Base and Finishing Stone Subbase	1	LS	\$120,000	\$120,000
Slot Drain/Trench Drain	1,312	LF	\$60	\$78,800
PCC Field Curb	440	LF	\$40	\$17,600
Field Drainage	1	LS	\$60,000	\$60,000
Discus Cage	1	LS	\$35,000	\$35,000
Shotput	1	EA	\$7,500	\$7,500
Long Jump runways and Pits	2	EA	\$8,000	\$16,000
4' Fence	1,550	LF	\$18	\$27,900
Storage	4	EA	\$9,000	\$36,000
<b>Subtotal</b>				<b>\$1,574,300</b>
<b>Bleachers Phase II</b>				
Home Bleachers	1,200	EA	\$225	\$270,000
Improvements to Visitor Bleachers	1	LS	\$25,000	\$25,000
Press Box	1	LS	\$75,000	\$75,000
<b>Subtotal</b>				<b>\$370,000</b>
<b>Subtotal Phase I &amp; II</b>				<b>\$1,989,300</b>
<b>SUBTOTAL OF SITE CONSTRUCTION ITEMS</b>			<b>TOTAL</b>	<b>\$1,989,300</b>
<b>GENERAL CONDITIONS, BOND, CONTRACTOR OH&amp;P</b>				<b>\$198,930</b>
<b>CONTINGENCY</b>				<b>\$99,465</b>
<b>TOTAL</b>				<b>\$2,288,000</b>





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 6/24/17 Date of Last Edit: 6/24

Project Number:	2019-422-02
Project Title:	I/I Reduction
Category:	Repair and Maintenance
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          Phase \_\_\_ of \_\_\_

**Description:**

*To provide financing for various projects to reduce inflow and infiltration in the collection system. It is a legal requirement that our department makes a continued effort and commitment to reduce I/I. The amount requested for FY 19 will be to replace and repair sections of the collection system in the ocean side drive area.*

**Benefits of Project and Impact if Not Completed:**

*Preserve and extend the life of our collection system, reduce operational costs to the pump stations and main facility, and allows for additional homes to be connected to sewer by preserving our outfall permitted flows limit. If I/I projects are not completed the capacity at the treatment plant will be limited by inflow and infiltration flows. The oceanside drive area currently contributes an estimated 117,165 to 328,021 gallons per day in inflow or infiltration streams. These inflows can take up to 20.1% of the plant's capacity during the wet months.*

**Discuss Operating Budget Impact:**

The ocean side drive area is about to be opened up for watermain replacement / repair work, this area is also in dire need of I/I work to repair and replace the collection system in this area. Having funding available for both the sewer and water projects within the same fiscal year should cut down on overall costs for each project and limit the amount of time that the road has to be dug up. Reducing inflow and infiltration will allow the department to waste less energy pumping and treating water that does not belong in the collection system. It will also allow for increased capacity at the facilities which will lead to more properties being able to connect to the sewer system and support our budget through connection fees and quarterly service credits.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$65,000	\$65,000				
Land Acquisition	\$0					
Construction	\$4,835,000	\$4,835,000				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$4,900,000</b>	<b>\$4,900,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$4,900,000</b>	<b>\$4,900,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
2. I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
3. High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
4. Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
5. Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
6. Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
7. High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.

**TABLE 5**  
**TOWN OF SCITUATE**  
**FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO**  
**OPTION 1 - COST SUMMARY**



# Town of Scituate Massachusetts

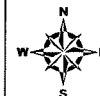
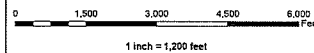
## Figure 1 Flow Meter Plan

Updated:  
July 2016



### Legend

- Meter Station
- Rain Gauge
- Wastewater Treatment Plant
- Pumping Station
- Sewer Manhole
- ..... Force Main
- Sewer Main**
- 8 inch
- 10 inch
- 12 inch
- 14 inch
- ..... 15 inch
- ..... 18 inch
- 24 inch
- ..... 27 inch
- 30 inch
- 36 inch
- Sub Area



**CDM  
Smith**

**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
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Notes

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
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**TABLE 5**  
**TOWN OF SCITUATE**  
**FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO**  
**OPTION 1 - COST SUMMARY**



## Memorandum

*To: William Branton, Interim Supervisor, Sewer Division*

*From: Shawn Syde, P.E.  
Chad Kershaw, P.E.*

*Date: August 10, 2016 (Revised October 2, 2017)*

*Subject: Flow Monitoring Program and I/I Analysis Memorandum*

## Introduction

### Purpose

The purpose of the flow monitoring program is to develop estimates of infiltration/inflow (I/I) contribution from drainage sub-areas within the Town of Scituate's (Town) sewer system. The program will identify the general location and extent of I/I entering the sewer system. The findings provide the basis for recommending diagnostic investigations required to develop an effective remediation program to reduce the levels of extraneous flow within the sewer system to acceptable limits. The flow monitoring program was completed in spring 2016 in order to determine I/I during the high groundwater period.

The purpose of this technical memorandum is to provide a summary of the analysis, results, conclusions and recommendations from the flow monitoring field program. Work under the flow monitoring program was completed in accordance with the Massachusetts Department of Environmental Protection (MassDEP) I/I guidelines.

### Definitions

- *Infiltration* enters the sewer system through pipelines (structural defects, faulty joints, and service connections), manholes and other structures.
- *Base Infiltration* is groundwater which enters the sewer system and is observed at an increased rate during winter and early spring when the groundwater is highest due to ground thaw, snow melt and rainfall.
- *Tidal Infiltration* is a secondary source of infiltration from the ocean that is observed at an increased rate during high tide. Where present, tidal infiltration can occur year round.
- *Inflow* in a sewer system is the total flow from direct and indirect sources as defined below. Inflow is present throughout the year.

- *Direct inflow* enters the sewer system through direct connections to the collection system such as catch basins and roof leaders. The primary source of inflow is storm water, including rainfall runoff, and, if it is a significant source, can be observed during rainfall events year round.
- *Indirect, or delayed inflow* enters the sewer system through connections to sources such as building sump pumps and foundation drains. Its primary source is the wet weather (rainfall) influence on groundwater and may be prevalent for extended periods during the late winter and early spring and for shorter periods following rainfall events year round.
- RDII, or Rain-Derived Infiltration and Inflow, is the increased portion of water flow in a sanitary sewer system that occurs during and after a rainfall event. Extraneous water enters the sewer system during wet weather periods through cracks and open joints in sewer mains, manholes and building laterals, as well as through direct connections between storm drains and sanitary sewer and from illegal drainage connections on private property.
- *Wet weather flow* is the metered flow data during and after the wet weather period (generally over several days).
- *Dry weather flow* is the metered flow data during a dry weather period (typically at least four days following a rain event and anytime thereafter until the next rain event).

### **I/I Remediation Program**

The I/I remediation program is structured in three phases that provide a logical sequence for locating, identifying and removing extraneous flow sources. A phased approach is important in a comprehensive I/I remediation program to avoid “chasing” flows that could result in little to no effectiveness and reduction of extraneous flows. A phased approach allows the Town to target the areas of the collection system which have the most severe I/I.

- *Phase I – Flow Monitoring.* Identify the general extent and location of I/I severity and determine specific drainage sub-areas where second phase investigations should be conducted (**completed in 2016**).
- *Phase II – Sewer System Evaluation Survey (SSES).* An SSES consists of field investigations such as smoke testing, flow isolation and television inspection of pipelines. The objective of this phase is to identify individual I/I sources so that remediation recommendations can be developed and implemented under the third phase.
- *Phase III – I/I Remediation.* Construction projects consisting of sewer system improvements to remove I/I.

## Flow Monitoring Data and Analysis

### Summary of Field Program and Data Collection

The spring flow monitoring field program was conducted between February 23 and April 19, 2016 by Flow Assessment Service Inc. under the supervision of CDM Smith. Continuous flow monitoring data (5-minute interval data), flow data reports, flow hydrographs, flow summary reports, rain reports and sub-area site sketches are included in Flow Assessment's report titled, *Scituate, MA, Flow Monitoring Report, February – May 2016* (electronic copy in **Appendix A**). The following summarizes the field programs and data collection activities:



- The Town's sanitary sewer system was separated into 12 drainage sub-areas. Where possible, the drainage sub-areas were limited to no more than 20,000 linear feet of sewer pipe. The 12 drainage sub-areas and meter locations are mapped in **Figure 1** (in map pocket).
- The flow monitoring program included nine area velocity flow meters and three level meters with a Palmer-Bowlus Flume to capture wastewater flows from each sub-area. Also two continuous recording rain gauges and six groundwater gauges were installed in order to correlate wastewater flows to rainfall and groundwater levels. Rain Gauge No. 1 was installed at the WWTP and Rain Gauge No. 2 was installed at the Sand Hills Pumping Station.
- During the field program, there were seven rainfall events which totaled at least 0.5 inches of rainfall with varying peak rainfall intensities. The largest rainfall event occurred on March 14<sup>th</sup> and 15<sup>th</sup> (approximately 1.4 inches of rainfall). Note that many of the rainfall events included snow and/or occurred within four days of a previous rainfall event.
- A successful flow monitoring program is contingent upon having optimum groundwater elevations. Groundwater gauges were installed in six manholes where a flow meter was installed. The groundwater gauges were installed in manhole 1-1, 2-1, 2-2, 4-1, 6-1 and 7-1. **Figure 2** shows the groundwater depth below the ground surface during the metering period vs. the downstream sewer pipe invert. For nearly all readings, the groundwater was higher than the downstream sewer pipe invert. At manholes 1-1, 4-1, 6-1 and 7-1, the groundwater was at least 5 feet higher than the pipe invert during the entire metering period.
- Given the proximity of the Town's sewer system to the ocean, CDM Smith collected tidal data from the US Harbors Tide Chart. During the flow monitoring field program, the tide chart indicates that the high tide elevation fluctuated between 7.7 feet and 11.8 feet and the low tide elevation fluctuated between -2.3 feet and 1.7 feet.
- Prior to the start of flow gauging, an inventory of the Scituate collection system was conducted. The inventory consisted of a review of existing engineering drawings, reports, and records, GIS data, and discussions and field investigations with Town personnel. This information was used to delineate the tributary areas and determine each meter location.

# Town of Scituate Massachusetts

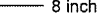
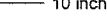
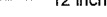


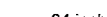
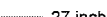
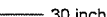
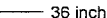
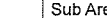

## Figure 1 Flow Meter Plan

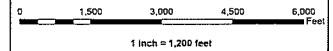
Updated:  
July 2016

### Legend

- Meter Station
- Rain Gauge
-  Wastewater Treatment Plant
-  Pumping Station
- Sewer Manhole
- ..... Force Main

### Sewer Main

-  8 inch
-  10 inch
-  12 inch
-  14 inch
-  15 inch
-  18 inch
-  24 inch
-  27 inch
-  30 inch
-  36 inch
-  Sub Area



**CDM  
Smith**





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 6/23/17

Date of Last Edit: 6/23

Project Number:	2019-422-02		
Project Title:	SCADA Upgrade Phase 3A		
Category:	Equipment		
Department: Sewer	Contact:	William Branton	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase <u>3A</u> of <u>4</u>	

Description:

Replace PLCs in Operations and Blower buildings at the WWTP. SCADA is the "brain" of our operations and is essential in carrying out operations for our facility. The PLCs in each of the buildings act as the central nervous system between the SCADA brain and the actual equipment at the plant.

Benefits of Project and Impact if Not Completed:

The current PLCs installed at the WWTP are no longer supported and are showing signs of failure. If this equipment were to fail it would necessitate 24/7 staffing of the facility by at least two persons at all time to continue to operate the plant. Because these units are no longer supported repairing or replacing them will be incredibly difficult and time consuming if a failure were to occur. New technology exists which will offer greater levels of resiliency and will allow the plant to integrate additional equipment into the SCADA network.

Discuss Operating Budget Impact:

These upgrades should reduce the number of times operators are called into work after hours to address glitches, bugs, and other misc. failures and issues with the current SCADA system.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$200,000	\$200,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$20,000	\$20,000					<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$220,000	\$220,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$220,000	\$220,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**MEMORANDUM**

**TO:** Kevin Cafferty, Director of Public Works

**FROM:** Michael Paulin/Bill Ellis, Weston & Sampson

**DATE:** August 2, 2017

**SUBJECT:** WWTF SCADA Upgrades – **Update Memorandum**

**CC:** Will Branton, Sewer Division  
Sean McCarthy, Town Engineer

---

The following is a status update on the Wastewater Treatment Facility (WWTF) Supervisory Control and Data Acquisition (SCADA) System Upgrades project, including recommendations and estimated costs to continue with upgrades at the WWTF.

Work on the project has been on-going since July 2015. Specific Priority Tasks were identified by the town for the facility, as summarized in our August 6, 2015 Memorandum. The Tasks completed to date include new SCADA computer and software upgrades, new Control Room Uninterruptible Power Supply (UPS), options and pricing to upgrade the PLC's, and coordination of the Chain Pond and Sand Hills Pump Station SCADA improvements.

Below are recommendations and cost estimates for the remaining Priority Tasks for the facility:

**Priority Task 2 – Programmable Logic Controller (PLC) Upgrades (LCP-1, LCP-2, LCP-3 and LCP-4)**

The four (4) existing Programmable Logic Controller's (PLC's) are Allen Bradley PLC 5 with redundant processors and a communication network (often referred to as "blue hose"), along with many protocol converters throughout the Facility. This family of PLC's is no longer supported and is considered to be at the end of its useful life; no parts or modules will be available after 2017.

The recommended alternative to upgrade the existing PLC's (LCP1, LCP-2, LCP-3 and LCP-4) is to upgrade each processor with installation of new Input/Output (I/O) modules. This would involve upgrading each processor to a ControlLogix PLC, non-redundant processor. New I/O modules would also be installed in place of existing I/O modules. Allen Bradley has designed a rack that will utilize the existing wiring and adapt to the new modules.

*Priority Task 2.1 – PLC LCP-1 Upgrade*

- **Installed Cost**        **\$80,000**

*Priority Task 2.2 – PLC LCP-2 Upgrade*

- **Installed Cost**        **\$80,000**

*Priority Task 2.3 – PLC LCP-3 Upgrade*

- **Installed Cost**        **\$80,000**

*Priority Task 2.4 – PLC LCP-4 Upgrade*

- **Installed Cost**        **\$80,000**

*Priority Task 2.5 – PLC Computer Panel Upgrades*

The PLC computer panels must each be upgraded as part of the improvements. The work involves providing a new industrial computer to replace each of the four existing panels at LCP-1, LCP-2, LCP-3 and LCP-4 (the three panels that are working on the old system and the one that has been in failure for several years). The work also involves making the four licenses current and supported, programming, and mounting brackets to install the new computers in each panel.

- **Installed Cost**        **\$18,500**

*Priority Task 2.6 – Filter Panel Upgrades*

PLC LCP-3 is networked to the Ultraviolet (UV) system panel and filter panel, located in the same building. The UV has been upgraded to the new ControlLogix PLC platform, however the filter panel also contains an older SLC 5/04 Processor, which is also nearing the end of its useful life and should be upgraded as part of the PLC LCP-3 upgrade. The Filter panel processor will need to be upgraded utilizing the existing I/O.

- **Installed Cost**        **\$1,500**

*Priority Task 2.7 – Polymer Panel Upgrades*

PLC LCP-4 is networked to the polymer panel at the disinfection building. The polymer panel also contains an older SLC 5/04 Processor, which is also nearing the end of its useful life and should be upgraded as part of the PLC LCP-4 upgrade. The polymer panel processor will need to be upgraded utilizing the existing I/O. In addition, an Ethernet cable must be run between the polymer panel and the LCP panel on the upper floor, in order to establish communications to the SCADA system.

- **Installed Cost**        **\$7,500**

### Priority Task 3 – Remote Site Communications

The Town currently utilizes leased phone lines for remote site communications. The leased lines are currently overloaded, which leads to inconsistent signal strength. A radio path study would be performed to verify communication strength and to test for proper antenna locations related to incorporation of the Town's wastewater pump stations into the SCADA system via radio technology, rather than continued reliance on troubled hardline connections.

As with the Chain Pond and Sand Hills wastewater pump stations which were recently completed, additional system requirements to integrate the remaining seven (7) pump stations into the town's SCADA system successfully include a radio, power supply, antenna, and PLC processor upgrade for each station. It is our understanding that these remaining stations include:

- First Parish Road
- Herring Brook
- Country Way
- Edward Foster Road
- Peggotty Beach Road
- Collier Road
- Musquashicut Avenue

- **Installed Cost**            **\$35,000 (\$5,000 per station)**

### Cost Summary

The following is a Summary of the estimated upgrade costs discussed in this Memorandum above:

Task	Estimated Cost
Task 2.1 – PLC (LCP-1)	\$80,000
Task 2.2 – PLC (LCP-2)	\$80,000
Task 2.3 – PLC (LCP-3)	\$80,000
Task 2.4 – PLC (LCP-4)	\$80,000
Task 2.5 – PLC Computer Panel Upgrades	\$18,500
Task 2.6 – Filter Panel Upgrades	\$1,500
Task 2.7 – Polymer Panel Upgrades	\$7,500
Task 3 – Remote Site Communications	\$35,000
<b>Totals</b>	<b>\$382,500</b>

In summary, in order to complete all remaining work on the project, the estimated cost will be approximately **\$384,000**.

### Recommendation

It is our understanding that the Town currently has approved approximately \$200,000 to continue with the SCADA Improvements work at the WWTF. Due to the fact that the available funds will not cover the entire estimated cost of work to complete the remaining tasks above, we recommend that the Town complete the two highest priority PLC's (LCP-3 and LCP-4), along with the associated filter panels and computer panel upgrades. The remaining two PLC upgrades (LCP-1 and LCP-2) and the Remote Site Communications (Task 3) will be placed on hold until additional funds become available.

The following is a Summary of the estimated upgrade costs currently being recommended, based on the current available budget:

Task	Estimated Cost
Task 2.3 – PLC (LCP-3) Upgrade	\$80,000
Task 2.4 – PLC (LCP-4) Upgrade	\$80,000
Task 2.5 – PLC Computer Panel Upgrades	\$18,500
Task 2.6 – Filter Panel Upgrades	\$1,500
Task 2.7 – Polymer Panel Upgrades	\$7,500
<b>Totals</b>	<b>\$187,500</b>

In order to complete all of the work currently being recommended on the project, the estimated cost will be approximately **\$187,500**.

We appreciate the opportunity to provide this update Memorandum and we look forward to continuing to work with the town to complete the SCADA system improvements.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 6/23/17

Date of Last Edit: 6/28

Project Number:	2019-422-03
Project Title:	Assesment of WWTP
Category:	Equipment / Repair and Maintenance
Department: Sewer	Contact: William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

**Description:**

Identify and plan for future capital projects to maintain current level of service at the facility and to make improvements that will lead to long term savings for the department as well as begin to update and modernize equipment to increase capacity of the treatment system and to make changes to plant operations to optimize costs.

**Benefits of Project and Impact if Not Completed:**

Comprehensive assesment of WWTP will help to increase capacity of the treatment plant, significantly reduce wear and tear on equipment, and provide a road map for capital projects over the next five to ten years. It is essential that an assessment of the facility be done prior to the completion of the remaining sewer expansion phases in order to guarentee that the facility will be able to maintain its current level of service.

**Discuss Operating Budget Impact:**

This assesment will prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$65,000	\$65,000				
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## Preliminary Capital Budget Scituate Wastewater Department

**TO:** William Branton, Chief Operator  
**FROM:** Ian Mead, P.E.  
Ian Catlow, P.E.  
**COPY:** Mike Schrader, P.E.  
**DATE:** October 20, 2017

---

Based on our recent discussions, Tighe & Bond understands that you are in the process of identifying capital projects to maintain the current level of service at the Town's wastewater treatment facility. We have summarized the five projects that we recently discussed with you along with their anticipated budgets below. Projects are not presented in any particular order of priority; however, it is important to note that many of the upgrade projects outlined below will be better defined through the Wastewater Facility Assessment described in the first project.

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

1. Screenings & Grit Removal - Identify problems with current screening and grit removal systems and recommend upgrades to address deficiencies.
2. Influent Pump Performance - Identify issues limiting pump capacity and recommend changes needed. In addition, assess pump vulnerability to emergency flooding conditions.
3. Structural and Architectural Systems - Assess the condition of the concrete structures at the facility and recommend repair and maintenance tasks to prevent wear and tear and reduce long term repair costs where needed. Assessments are likely to focus on older structures such as the aeration tanks, aerobic digesters, and the catwalks/walkways in these tanks.
4. Preventive Maintenance and Modernization - Identify and prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.
5. Code Update - Identify code compliance issues associated with the classification of spaces, egress requirements, HVAC, life safety equipment, and electrical systems.

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

Draft Scope of Work: This project would include the replacement of the existing influent screen, the addition of a new screenings wash press to clean and transport screenings out of the existing screen room, and the replacement of existing flow control gates. Associated electrical and HVAC systems within the screening room would also be upgraded as part of the project. Grit removal upgrades were assumed to include replacement of aeration headers, piping, blowers and improved grit removal system.

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

Draft Scope of Work: This project would include the upgrade of the existing influent pumping system to address capacity issues and improve system resiliency. We have

assumed that all four existing influent pumps would be replaced along with their associated valves, fittings, electrical systems and influent flow metering systems.

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

Draft Scope of Work: This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater Facility Assessment. For planning purposes, we have assumed that the majority of these repairs will be focused on aeration tank and aerobic digester tanks and catwalks/walkways. Additional work may include concrete crack repairs and leak sealing throughout the facility.

**Project 5: Vactor Tipping Pad Upgrade**

Budget: \$560,000

Draft Scope of Work: This project would include the design and construction of a new vactor tipping pad within a portion of the footprint of the effluent lined emergency storage lagoon. A pump station to return liquid discharged by the vactor to the head of the plant would also be included in the project with flexibility to aid in draining the emergency storage lagoon, as needed.

We ask that you review the outlines presented above and contact us to adjust project scopes and budgets as needed. Ian Mead can be reached at 508-471-9643 and Ian Catlow can be reached at 508-471-9605.

J:\S\S5001 Scituate DPW\Proposals\Preliminary Capital Budget 101917.docx



260 West Exchange Street, Suite 300  
Providence, Rhode Island 02903  
tel: 401 751-5360  
fax: 401 274-2173

August 26, 2015

Mr. Kevin Cafferty, Director  
Department of Public Works  
600 Chief Justice Highway  
Scituate, MA 02066

Subject: Draft Letter Proposal for Scituate WPCF Facilities Assessment – For Review

Dear Mr. Cafferty:

CDM Smith is pleased to submit this letter proposal to conduct a facilities assessment study for the Town of Scituate Water Pollution Control Facility (WPCF). We have prepared this proposal after discussions with the Town regarding your specific needs, and after participating in a plant tour with Rick Mosca and Dan Smith to better understand the current situation at the facility.

## Background

The WPCF is a 1.6-mgd advanced treatment facility that employs the activated sludge system, denitrification filters and UV disinfection to meet its NPDES permit limits. The WPCF completed a major capital improvements plan ca. 2000, primarily addressing process needs related to the need to comply with a 4.0 mg/L effluent total nitrogen limit. In the approximately 15 years since completion of that upgrade, both “new” and previous facilities have aged to the point that plant staff has been in a reactive mode keep vital systems running in order to maintain permit compliance. A series of emergency plant improvement projects is underway that targets high-priority aspects of the plant. These efforts will serve to extend the service life of those systems; however, it is clear that the Town is in need of an overall long-term Capital Improvement Program (CIP) to better anticipate needs at the plant, and plan and budget accordingly.

CDM Smith recently participated in a thorough tour of the WPCF. Based on our observations during the tour and discussions with plant staff, it is clear that the Town is doing its best with limited resources at maintaining the operational reliability of the plant. However, our initial observations also indicate that the WPCF will require a substantial amount of upgrade work over the next 20 years to remain reliability, and the Town is wise to plan for the cost of these upgrades. Among the areas of concern identified during our recent tour were the following:







Mr. Kevin Cafferty  
August 26, 2015  
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- Screenings removal in the preliminary treatment building is labor intensive and outdated. Facilities supporting the screening process, including access to the screenings room and ventilation systems require improvements.
- The influent pumps' firm capacity may be lacking
- The manual method of removed grit from the aerated grit chamber likely allows significant amounts of grit to proceed to downstream processes
- The lining of the influent peak-flow storage lagoons is not sound.
- HVAC systems throughout the site's older buildings
- Potential reduction in effluent copper from 20 ug/L to 4 ug/L. Copper compliance has been challenging for the facility.

The intent of this facilities assessment will be to investigate the WPCF in detail, identify a comprehensive list of necessary improvements, evaluate the relative priority and scheduling of these improvements, and develop a recommended CIP for the WPCF including budgeted costs.

## Scope of Work

### Task 1 -Project Management and Coordination

Kickoff Meeting. CDM will hold a project kickoff meeting at the beginning of the project to review the scope of work and the project schedule, to schedule initial site visits, and to begin data collection.

Project Meetings. CDM suggests two progress meetings during the project: one after the data collection and facilities assessment tasks (see Tasks 2 and 3, below) are complete, and one coinciding with CDM's submittal of the draft report. The purpose of the first meeting will be to review the results of the field facilities assessment. At the second meeting, CDM will present the draft report to Town staff.

### Task 2 - Data Collection and Analysis

CDM Smith will request from the Town a comprehensive "data dump" of the plant's operating data from the last 3-5 years. This data (influent, effluent, and inter-process) will aid in our field investigations and to highlight facilities with O&M issues or needs.

CDM Smith will manipulate the data to determine the current range of influent flows and loads, including average annual, maximum 30-day average and maximum-day conditions, necessary to evaluate the adequacy of the various unit processes at the plant. In addition, the resulting



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peaking factors and parameter ratios (e.g., influent BOD:TKN) are important to understand when evaluating plant operation.

### **Task 3 – Facilities Assessment**

CDM Smith will conduct a Facilities Assessment of the WPCF with the goal of identifying necessary capital improvements through 2035, and determining the costs associated with the needed improvements.

Following review of the WPCF available documents described in Task 1 and a basic familiarization with the WPCF, CDM Smith will conduct a field assessment of the WPCF. The field assessment will include specialists from the following technical disciplines:

- Process/mechanical;
- Operations and Maintenance (O&M);
- Electrical;
- Instrumentation and control;
- Structural;
- Architectural;
- Civil/site; and
- HVAC.

The field assessment activity will require some time from Town WPCF personnel to act as guides and answer questions from CDM Smith staff. CDM Smith will coordinate with plant staff to schedule convenient times.

The field facilities assessment will result in a list of recommended improvements to the WPCF, and a recommended schedule of implementation of the improvements, through 2035. CDM Smith will also indicate the reason(s) for each recommended improvement. Possible drivers for recommended improvements may include:

- Safety considerations. Examples might include repair or replacement of guardrail in poor condition, removal of trip hazards or providing protection for unguarded rotating machinery.



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- Reliability. There are several areas of the existing WPCF where there is no backup or standby equipment available in case of failure of the primary unit or to facilitate regular maintenance of the primary unit (for example, the influent screen). Recommendations may include installation of standby equipment, where cost-effective, to reduce vulnerability to process downtime.
- Operational efficiency/energy savings. CDM Smith's facilities assessment may identify process changes, system adjustments or equipment replacements that would result in a reduction of ongoing O&M costs and/or energy consumption. This type of capital improvement frequently has pay-back periods of five years or less, and is therefore cost effective over a 20-year planning period. Importantly, improvements that result in a decrease in energy consumption very often qualify for partial cost rebate from the electric utility. Recommended improvements that may qualify under the rebate program will be earmarked. Potential examples might be replacement of the existing blowers, installation of new, more efficient pumps to replace old units, and new automatic control systems to optimize efficiency.
- Preventive maintenance. CDM's technical staff may identify preventative maintenance items that can be accomplished at minimal cost and save potential higher costs in the future for equipment or component replacement.
- Repair. There are several components of the WPCF that are in need of repair work. These will be identified and itemized.
- Odor Control. The WPCF currently does not include any odor control facilities. The cost vs. benefit of installing odor control in some process areas will be considered.
- Code update. Some areas of the WPCF have not undergone major capital improvements in more than 20 years. Codes that apply to many aspects of the WPCF have been updated in the years since, and CDM Smith expects that a significant number of code-compliance issues will be identified in the on-site audit. Typical code-compliance items identified at existing WPCFs include inadequate ventilation of electrically-classified spaces, inadequate clearance or egress, and non-compliance with EPA's reliability criteria regarding electrical systems at wastewater treatment plants.
- Modernization. Much of the equipment and operating systems are now nearing or are beyond the normally expected service life, and CDM Smith will identify and recommend improvements that will modernize the plant. To conclude this task, CDM will develop capital cost estimates for each of the recommended improvements. As noted above, we will then meet with the Town to discuss the results of the facilities assessment task.



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August 26, 2015  
Page 5

#### **Task 4 – Assessment of Future Flow and Load**

Per our discussions during the site tour, it is necessary to assess possible changes in the future flow and loading to the WPCF within the 20-year period. The Town indicated the intention to expand the collection system to serve areas previously identified, and the flow and load from these new contributors needs to be considered. Based in information provided by the Town, CDM Smith will develop anticipated future flows and loads to serve as a basis for the improvements identified in the CIP.

#### **Task 5 –Process Modifications**

CDM Smith will complete an assessment of potential process changes that would be recommended to enable the WPCF to maintain compliance and efficient operation at current and anticipated future flows and loads. We will develop a plant simulation model utilizing the BioWin software by EnviroSim to mimic the plant's current operation and to investigate options. The BioWin plant simulator is a very powerful tool that CDM Smith uses on all treatment plants that provide nutrient removal, and can allow for investigation of "what if" scenarios. Examples of modeling exercises that might result in recommended process changes include:

- Does it make sense to equip the selector zones to operate in either anoxic or aerobic modes?
- What is the optimum operating solids retention time (SRT) in the system as it relates to the wastewater temperature variation seen at the plant?
- Is there a better way to operate the aerobic digesters?

For the planning-level exercise needed for developing a CIP, it is not necessary to spend the significant time or resources required to attain a high-level calibration of the model. Rather, a reasonable level of calibration will be attained by the use of existing plant data and the model's default kinetics.

#### **Task 4 – Report Development**

CDM will submit five copies of a draft report that summarizes the work performed under Tasks 1 to 4. Each major finding and recommendation will be described, including an explanation of the need and the basis for the projected cost range. We will identify any immediate safety or hazard concerns, if any, for the Town's information. The report will also provide suggested priorities for the improvements. We will finalize the report after receipt of comments from the Town, and submit five copies of the final document.



Mr. Kevin Cafferty  
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## Budget and Schedule

### Budget

CDM Smith will complete the scope of work described for an upper limit of \$XXXXXX(TBD). This task will result in a thorough study of foreseeable WPCF needs for the next 20 years, including projected capital cost ranges.

### Schedule

CDM Smith will deliver the draft report within twelve weeks from receipt of a Notice-to-Proceed.

Thank you for the opportunity to support the Town with this work. Please consider this as an initial proposal for your review and discussion on the technical approach. Should the Town have any modifications to the scope of work, we are available to discuss such changes to ensure that the scope matches your needs. If there are any questions or comments, please contact me at 508-572-5214, or by email at [meadiw@cdmsmith.com](mailto:meadiw@cdmsmith.com).

Very truly yours,

A handwritten signature in black ink that reads "Ian W. Mead".

Ian W. Mead, P.E., BCEE  
Associate  
CDM Smith Inc.

Cc: Georgine Grissop, Bill McConnell



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-433-02		
Project Title:	Crack Seal and Pavement Markings		
Category:			
Department:	Transfer Station	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                         Multiyear       Phase \_\_\_ of \_\_\_

**Description:**

*The pavement at the Transfer Station is approaching 20yrs and showing signs of wear and tear. Crack sealing will prevent rain and melting snow from entering the subbase and freezing causing the pavement to heave accelerating pavement failure. Line striping needs to be performed following crack sealing.*

**Benefits of Project and Impact if Not Completed:**

Crack sealing will slow down the deterioration of the pavement

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$40,000	\$40,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing	
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,000</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

# PROPOSAL

## New England Sealcoating Co., Inc. Quality Since 1945

131 D.W. Highway, PMB 503  
Nashua, NH 03060-5245  
(603) 598-9200

MAIL TO: 120 Industrial Park Road  
Hingham, MA 02043  
(781) 749-6800 • Fax (781) 749-2780  
www.newenglandsealcoating.com

11 South Angell St., PMB 364  
Providence, RI 02906  
(401) 621-3770

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Sean McCarthy  
Scituate Transfer Station  
280 Driftway  
Scituate, MA 02066

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PHONE: (781) 545-8732x5 April 25, 2017  
FAX:  
Scituate Transfer Station  
280 Driftway  
Scituate, MA

### CRACKSEALING

Furnish all labor, material and equipment to repair structural and random cracks in bituminous concrete surface using hot Poly Fiber Reinforced Rubberized Asphalt crack sealant meeting Federal Specification SS-S-1401c/ASTM D 3405 as follows:

1. Blow out cracks with minimum 125 CFM 90 PSI air pressure.
2. Fill all cracks with hot Poly Fiber Reinforced Rubberized Asphalt crack sealant heated in a double jacketed melter to minimum 325 degrees F. using pressure applicator.
3. Clean up general work area.

35,195 LF

\$28,076.00

#### Notes:

1. This quote good for 30 days.
2. Cracks less than 1/4" will not be sealed.
3. The prevailing wage will be paid.
4. Every where inside the gate.

cr1

We propose to furnish material and labor — complete in accordance with above specifications, for the sum of : \$ 28,076.00  
TERMS: 30% DEPOSIT REQUIRED, BALANCE DUE UPON COMPLETION.

NOTE: Please sign white copy and return with deposit to Hingham, MA.  
Submit tax exempt certificate if applicable.

Authorized  
Signature

Jay Muir

**Acceptance of Proposal** — The above prices, specifications and conditions are satisfactory and are hereby accepted.  
You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: \_\_\_\_\_

Signature: \_\_\_\_\_



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-7	
Project Title:	Replace Water Mains or Clean & Line	
Category:	Construction	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [X] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Proactively clean and line or replace the oldest and/or most problematic water mains in town. New Ductile Iron water mains have an expected useful life of 75+ years. With approximately 115 miles of water main in the ground replacing just one mile per year will take 115 years to replace entire system.

Benefits of Project and Impact if Not Completed:

Replacing smaller quantities of water main each year can avoid costly larger projects and the disruptions they can cause. This will improve water quality and reduce the number of leaks resulting in cost savings to the town. Replacing smaller diameter water mains with larger ones also increases fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$1,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 -FY2022**

Date submitted: 11/11/2016

Date of Last Edit: \_\_\_\_\_

Project Number:	2018-450-7		
Project Title:	New Emergency Generators at Wells #11 and #10		
Category:			
Department:	Water	Contact:	Sean Anderson
Project is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input checked="" type="checkbox"/>	Phase <u>4</u> of <u>5</u>	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

In FY2013 a proposal was submitted for the installation of back up generators at 5 of our wells to provide drinking water and water for fire protection during power outages. To date, natural gas-powered back-up generators have been installed at two of our wells: Well #19 (CJC Hwy) and Well #22 (Old Forge Rd). Funding for a third generator at Well #18B (Driftway) was previously approved and is in process. This proposal is for the continuation of the plan to install backup generators at Well #11 and Well #10 (RT123) in FY2018 and FY2019, respectively. The scope of the project includes installation of natural gas service, transfer switches, and a new generator at each pumping station.

**Benefits of Project and Impact if Not Completed:**

More than half of Scituate's potable water supply comes from our wells which operate 24 hrs a day, 365 days a year. The Town's ability to provide potable water to our residents and an adequate supply of water for fire protection during prolonged power outages depends on the uninterrupted operation of our pumping stations. For example, loss of production at Wells 10 and 11 during a prolonged power outage would result in the loss of >8000 gallons per hour, and would challenge our ability to meet health and safety demands with production from only three wells and the treatment plant.

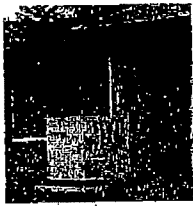
**Discuss Operating Budget Impact:**

Explain the project's short- and long-term impacts on the community's operating budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$190,000	\$100,000	\$90,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$190,000</b>	<b>\$100,000</b>	<b>\$90,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$190,000	\$100,000	\$90,000	\$0	\$0	\$0	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing



# GENERAC® STANDBY GENERATORS

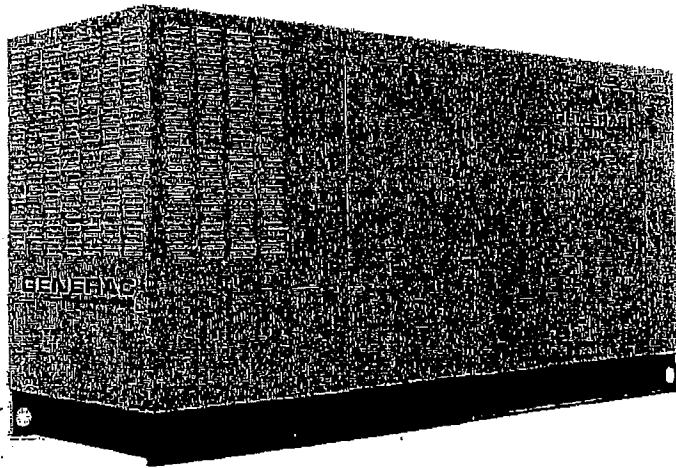
GAZE to ~~the~~ GAS COMPANY ←  
IS this OK (E) **150 kW**

## Liquid-Cooled Engine Generator Sets

Standby Power Rating  
Model QT150 (Bisque) - 150 kW 60Hz

### INCLUDES:

- Generac Naturally Aspirated
- Gasoline Fueled 6.8L Engine
- Innovative LCD Tri-lingual
- Digital Nexus™ Controller
- Synchronous Electronic Governor
- Closed Coolant Recovery System
- Smart Battery Charger
- UV/Ozone Resistant Hoses
- ±1% Voltage Regulation
- Natural Gas or LP Operation
- 2 Year Limited Warranty
- UL 2200 Listed



**QUIET-TEST**

Meets 2010 EPA Emission Regulations  
Meets CA/MA emissions requirement with optional catalyst

## FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
  - **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. An unequalled ±1% voltage regulation.
  - **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
  - **GENERAC TRANSFER SWITCHES.** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility.
- **TEST CRITERIA:**
- ✓ PROTOTYPE TESTED
  - ✓ SYSTEM TORSIONAL TESTED
  - ✓ NEMA MG1-22 EVALUATION
  - ✓ MOTOR STARTING ABILITY

# GENERAC®

# Application & Engineering Data

# QT150

## GENERATOR SPECIFICATIONS

TYPE	Synchronous
ROTOR INSULATION	Class F or H (see Data Label)
STATOR INSULATION	Class H
TELEPHONE INTERFERENCE FACTOR (TIF)	<50
ALTERNATOR OUTPUT LEADS 3-PHASE/1-PHASE	6/4 wire
BEARINGS	Sealed Ball
COUPLING	Flexible Disc
LOAD CAPACITY (STANDBY RATING)	150 kW
EXCITATION SYSTEM	Brushless

## VOLTAGE REGULATION

TYPE	Full Digital
SENSING	Three Phase
REGULATION	± 1%

## GENERATOR FEATURES

Revolving field heavy duty generator  
 Directly connected to the engine  
 Operating temperature rise 120 °C above a 40 °C ambient  
 Insulation is Class F rated at 130 °C rise  
 All models are fully prototyped tested

## ENCLOSURE FEATURES

Aluminum all weather protective enclosure options available	Ensures protection against mother nature. Electrostatically applied textured epoxy paint for added durability.
Enclosed critical grade muffler	Quiet, critical grade muffler is mounted inside the unit to prevent injuries.
Small, compact, attractive	Makes for an easy, eye appealing installation.
SAE	Sound attenuated enclosure ensures quiet operation.

## ENGINE SPECIFICATIONS

MAKE	Generac
MODEL	V-type
CYLINDERS	10
DISPLACEMENT	6.8 Liter
BORE	3.55
STROKE	4.17
COMPRESSION RATIO	9:1
INTAKE AIR SYSTEM	Naturally Aspirated
VALVE SEATS	Hardened
LIFTER TYPE	Hydraulic

## GOVERNOR SPECIFICATIONS

TYPE	Electronic
FREQUENCY REGULATION	Isosynchronous
STEADY STATE REGULATION	± 0.25%

## ENGINE LUBRICATION SYSTEM

OIL PUMP	Gear
OIL FILTER	Full flow spin-on cartridge
CRANKCASE CAPACITY	5 Quarts

## ENGINE COOLING SYSTEM

TYPE	Closed
WATER PUMP	Belt driven
FAN SPEED	2200
FAN DIAMETER	26 inches
FAN MODE	Puller

## FUEL SYSTEM

FUEL TYPE	Natural gas, propane vapor
CARBURETOR	Down Draft
SECONDARY FUEL REGULATOR	Standard
FUEL SHUT OFF SOLENOID	Standard
OPERATING FUEL PRESSURE	11" - 14" H <sub>2</sub> O

## ELECTRICAL SYSTEM

BATTERY CHARGE ALTERNATOR	12V 80 Amp
SMART BATTERY CHARGER	12V, 2 Amp
RECOMMENDED BATTERY	Group 24F, 12V, 525CCA
SYSTEM VOLTAGE	12 Volts

# SYSTEMS CONTRACTING, INC.

Plymouth Industrial Park  
7 Scobee Circle • Plymouth, MA 02360  
TEL. (508) 746-7000 • FAX (508) 746-7717

Tuesday, October 21, 2014  
Attn: James Debarros  
Town of Scituate  
600 Chief Justice Highway  
Scituate, MA

Re: Well 18B Generator Installation  
Scituate, MA

## ELECTRICAL PROPOSAL

This electrical proposal is to furnish and install a 125kw natural gas fired generator 480 volt 3 phase and Automatic Transfer Switch. This generator will provide full power to site in the event of utility power loss. Please review the below qualifications of this proposal.

**Proposal Total: \$ 71,100.00**

### Proposal includes:

Prevailing Wages  
F&I 125KW Natural gas fired generator with standard enclosure  
F&I Automatic transfer switch mounted in existing building  
F&I concrete pad for generator and grounding as required per N.E.C.  
F&I install conduit and wiring to tie new generator and transfer switch into existing service  
F&I connection to natural gas meter, provided by others at the location of new generator pad  
Provide required openings in existing wall for generator feeders  
Patch and seal required openings in existing wall  
Provide trenching, backfill, and required concrete

### Proposal Excludes:

Sales Tax  
Permit Fees  
Premium Time

If I can be of any assistance please do not hesitate to contact me.

Sincerely,

*Ken Bombard*

Ken Bombard

Estimator

Systems Contracting Inc.

*Specializing in Electrical Design Build Systems*



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-450-6	
Project Title:	Reservoir Expansion	
Category:	Design / Construction	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission [ ]

                         Multiyear [ X ]      Phase \_\_\_ of \_\_\_

Description:

In 2014 the DPW completed a study funded by the Department of Environmental Protection (DEP) to increase the height of the Reservoir spillway by 18 inches. Tetra Tech Engineering developed the 30% design and is preparing a proposal to finalize the design and pursue permitting. In May of 2017 the town received a grant and Tetra Tech developed the 60% design and initial permitting. The next step is to complete the final engineering, design, permitting and construction management followed by the physical construction.

This project would raise the reservoir approximately 18 to 24 inches. This equates to 35.45 million gallons or 28 days supply (winter usage) of drinking water.

Benefits of Project and Impact if Not Completed:

Increasing the volume of the reservoir will provide the town with approximately 28 additional days of water supply, further protecting the availability of water for the health and safety needs of its citizens.

Past modeling indicate that higher reservoir levels will improve the flows to the Brook and ensure they can be provided on a more consistent basis, enhancing our ability to meet Water Management Act (WMA) permit requirements.

If this project is not funded and we continue to endure dry summers we may be instituting stricter water bans more often to ensure we have an adequate supply of drinking water for domestic and fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$457,000.00 for the design, permitting, and construction management. The operating budget impact of the construction phase would be \$1,333,000.00. The total impact would be \$1,790,000.00.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$457,000	\$457,000				
Land Acquisition	\$0					
Construction	\$1,333,000	\$1,333,000				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,790,000</b>	<b>\$1,790,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,790,000</b>	<b>\$1,790,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## PROJECT COSTS

	<u>2017</u>	<u>2014</u>
Contractor Mob/Demob	\$ 111,000	\$ 61,000
Temporary Construction Facilities	\$ 31,000	\$ 28,000
Spillway Modifications	\$ 704,000	\$ 273,000
Fishway Modifications	\$ 239,000	\$ 188,000
Infrastructure Upgrades	<u>\$ 131,000</u>	<u>\$ 123,000</u>
Subtotal	\$1,216,000	\$ 673,000
Contingency	<u>\$ 122,000</u>	<u>\$ 67,000</u>
Subtotal	\$1,333,000	\$ 740,000
Design and Permitting	\$ 353,000	\$ 89,000
Construction and Administration	<u>\$ 104,000</u>	<u>\$ 37,000</u>
Total Project	\$1,795,000	\$ 867,000
	1,795,000	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-9-16

Date of Last Edit: 10-12-17\_

Project Number:	FY 2019-298		
Project Title:	Replacement of Docks and Electrical on docks Cole Parkway Marina		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      NEW    [ ]      Recurring [ ]      Resubmission [ X ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

The request is for the replacement of Docks , Power Pedestals and Wiring At Cole Parkway Marina The docks of been in service for quite some time and are showing their age, there is rot in the wood and the years of pulling them in and out of the water have affected their integrity. It would make sense for us to replace the floats now and try to sell off the docks to a private marina or to another municipality while they are still in somewhat saleable condition. This way we could capture the funds from the sale of the docks and put it back into the enterprise fund. Also replace the wiring on the docks along with the pedestals

**Benefits of Project and Impact if Not Completed:**

The replacement docks would be made of a composite decking material which would hold up better and last longer than the existing all wood docks, the existing docks have wood rot in different areas and are in need of attention, Also the wood decking is splitting from the years of abuse, The decking is extremely costly to replace. The wiring is getting beat up and showing it's age . The pedestals have been damaged over the years are in tough shape and in need of replacement.

**Discuss Operating Budget Impact:**

There will be costs incurred which will impact the budget, maintaining and replacing rotted boards and decking on the existing floats, also as the decks get older they would be much more difficult to sell and less valuable to other marinas. increased cost due to condition and repairs to the electrical system.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$1,000,000	\$250,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



November 10, 2016

Cole Parkway Marina  
Town of Scituate  
Scituate, MA

### BUDGET ESTIMATE

*System Type: Heavy duty Sullfloat system- with 2" x 6" Moisture Shield Composite Decking*

#### Main Walkways:

- (6) 16' x 20' Hinged sections
- (8) 7' x 22' Hinged sections
- (50) 7' x 20' Hinged sections

#### Fingers

- (4) 3' x 20' with C-Channel tracks
- (97) 2' x 20' with C-Channel tracks

Total for docks delivered, off-loaded and installed by others \$574,046.00

#### Options:

1. Engineered stamped drawings: \$5,000.00 for docks. \$5,000.00 for gangway.
2. (1) 5' x 80' ADA aluminum gangway \$44,608.00 delivered

*Note: All above pricing does not include any applicable state or local tax.*





**MEECO  
SULLIVAN**  
THE MARINA COMPANY

PRICE INCLUDES:

- Freight to site, purchaser provides off-loading
- All docks delivered complete and ready for installation
- Vinyl dock bumper - white/black
- 12" Galvanized mooring cleats and attachment hardware ( ) per boat
- Chain and roller/plate and eyebolt type pile guides
- 3/4" x 6" Eyebolts for anchoring
- Utility access panels- full width - 12' on center
- High impact resistant polyethylene floats with foam core - 12" in height
- .60 CCA pressure treatment in wood framing
- Stainless steel deck screws, #10 x 3"
- 2" x 6" Moisture shield composite decking
- Recycled grey plastic decking
- Mechanically laminated side beams
- Anti-torsion truss system throughout

Payment Schedule

Town Purchase Order with total due 30 days after delivery

Respectfully Submitted by:  
Meeco Sullivan, LLC.

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Robert Sullivan  
Vice President

Matt Beechinor  
Sales Representative



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-12-16

Date of Last Edit: 10-12-17

Project Number:	2019-298-01		
Project Title:	Replace 2007 Harbormaster Truck		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ X ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

1 ton pickup truck

**Benefits of Project and Impact if Not Completed:**

The truck that is inservice today has to be taking out of service for costly repairs due to age.

**Discuss Operating Budget Impact:**

Increased required maintance on 2007 truck that is in service today.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$43,000					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-12-17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-298-04		
Project Title:			
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Develop a comprehensive, town-wide aquaculture plan to manage shellfish/aquaculture areas thru out town.

**Benefits of Project and Impact if Not Completed:**

By creating a plan the town could control the shellfish areas and potential shellfish areas for commercial grant stites for shellfish/aquaculture, similar to building, zoning permits. And help the shellfish/aquaculture get back on track in Scituate. In addition to cleaning up our waterways , estuaries and water quality.

**Discuss Operating Budget Impact:**

If both recreational and commercial shellfish/aquaculture becomes vibrant in Scituate this could create additional jobs/industry/economic growth for the community. It also assist in keeping our waterways and estuaries clean.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$49,900					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$49,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$49,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

Science Wares is pleased to provide this Scope of Services, and budget for technical support in the development of an Aquaculture Plan for the Town of Scituate, MA. We have reviewed the Division of Marine Fisheries (DMF) Designated Shellfish Growing Area maps for the waterbodies under consideration for aquaculture license sites. These waterways have shellfish area classifications as follows:

- Scituate Harbor: Prohibited
- North River: Conditionally Approved
- Herring River (fork of North River near Herring River Marina): Prohibited
- South River: Areas are both conditionally approved and prohibited (around Grandview Ave)
- Cohasset Harbor (Scituate Side): Open

Based on these designations, and a conversation with the Scituate Harbormaster regarding a review of the classification of Scituate Harbor, the focus of the Aquaculture Plan could be on Cohasset Harbor which is open, Scituate Harbor if it opens, as well as North River and South River which are conditionally approved. DMF does not allow the licensing of private aquaculture in prohibited areas, and special permitting will be needed for aquaculture in conditionally approved waters.

## Scope of Services:

The proposed tasks for this Scope of Work are as follows:

### Task 1: Site Review and Report

Schedule: September/October 2017

Fee: \$7,500

The purpose of Task 1 is to generally identify areas where aquaculture could be appropriately located in North River, South River, Scituate Harbor (if it opens) and the Scituate side of Cohasset Harbor, and to determine the most effective process for finalizing the mapping of these potential aquaculture sites.

This task includes completion of the following:

- Kickoff meeting to discuss project parameters;
- Site visits by boat with Town representative to review field conditions in Scituate Harbor, North River, South River, and the Scituate side of Cohasset Harbor;
- Review and mapping of available data on eelgrass beds from MassDEP data, mooring locations, navigation channels, productive habitat used for commercial and recreational shellfish harvest, areas used for boating and swimming and other uses;
- Determine whether there is an existing Town board or committee that should provide input to the process of aquaculture siting or whether a Working Group should be established;
- Brief report that documents findings and provides a refined scope going forward; and
- GIS Mapping if town GIS services become available to support this work product.

## **Task 2: Delineation of Aquaculture License Sites**

Schedule: October - January 2017

Fee: \$7,500

The purpose of Task 2 is to revise the preliminary mapping that was done in Task 1 after review with various stakeholder groups. This process involves coordinating public outreach, revised maps and up to 5 meetings such as:

- Meetings with local experts such as commercial shellfish harvesters, neighbors abutting areas that have been mapped, town boards and committees and others, to review and revise maps
- Up to two Public Meeting to present areas and gain feedback
- Revised maps
- In addition to meetings, this task includes the effort to coordinate public outreach to ensure the community is aware of this project, as directed by the Town

## **Task 3: Permitting**

Fee: approximately \$34,900

Note: This budget estimate is subject to refinement based on the results of Task 1 and Task 2

This task includes preparing all the required documentation and filing for three regulatory approvals: Notice of Intent for an Order of Conditions from the Conservation Commission, an Army Corp of Engineers (ACOE) approval under the General Permit and DMF site certification. To streamline the permitting process for growers as well as maintain direct Town management and oversight over aquaculture licenses, the Town may want to be the applicant for Conservation Commission and ACOE permitting. The Town would also request site certification from DMF as part of this permitting.

Permitting will begin with discussions with the DMF and Army Corp of Engineers (ACOE) regarding the preferred approach (based on Falmouth Aquaculture Plan model) and may involve the following:

- A Town filing of a Notice of Intent with the Conservation Commission for all aquaculture license sites;
- Identification of specific individuals who will hold the permit for these aquaculture license sites;
- A Board of Selectmen (BOS) request for site certification from DMF for these sites;
- A Town application to the ACOE to place structures on these sites, once DMF has certified them;
- Once ACOE and Conservation Commission permits are granted to the Town, individual growers apply to the BOS for an aquaculture license site, and Town sends a copy of approved site to DMF; and
- Once the Town grants site to a grower, these growers then apply to DMF for a propagation permit. This propagation permit gives the applicant permission to grow shellfish within these sites.

For DMF to certify these aquaculture license sites and for the Town to apply to ACOE and Conservation Commission for permits, a management plan is needed that includes mapped locations, timing of licenses, gear types and configurations, shellfish species and production requirements.

The final cost for Task 3 will be determined after the total number of aquaculture license sites is established in Tasks 1 & 2, and after discussing the final permitting approach with DMF.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019-433-02		
Project Title:	Trenching & Installation of conduit for Computer Access		
Category:			
Department:	Transfer Station	Contact:	Sean McCarthy
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

*The Transfer station site doe not have cable/internet access. Current communication is by voice & dialup. Credit cards are run thru phone lines, eliminating or disconnecting any voice calls taking place or incoming. This would allow email access, communication with vendors and electronic credit card transactions. Conduit would be run from the nearest utility pole at the entrance to the site to the guard shack and then to the main office building.*

**Benefits of Project and Impact if Not Completed:**

Email communication  
Electronic Credit/Debt card transactions

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$50,000		\$50,000				<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

**Utility Conduit**  
**Installation**  
**Transfer Station**

Item #	Description	Unit Cost	Unit Type	Qty.	Item Cost
1	Mobilization	1	LS	7,500	\$7,500.00
2	Saw Cut Existing Pavement	\$5.00	LF	800	\$4,000.00
3	Excavate/Backfill Trench	\$45.00	LF	400	\$18,000.00
4	Conduit	\$1.00	FT	400	\$400.00
5	2" Binder Asphalt (Hand)	\$300.00	TON	20	\$6,000.00
6	1-1/2" Top (Hand)	\$300.00	TON	15	\$4,500.00
				Subtotal:	\$40,400.00
				Contingency:	\$8,080.00
				<b>Total:</b>	<b>\$48,480.00</b>



Town of Scituate  
Capital Plan  
Criteria Points-Summary  
Sorted by Year, Fund & Department

12/17/2017; 1:08 PM

Total	Project	Department	Year	Fund	Request	Est. Cost Total	CRITERIA					SCORE					Comment		
							A	B	C	D	E	F	A	B	C	D		E	F
66	Widow's Walk Bathroom Renovation	Golf/Facilities	2020	G	\$ 72,000	\$ 72,000	5	3	4	4	0	5	20	12	12	12	0	10	
64	Widow's Walk New Roof	Golf/Facilities	2020	G	\$ 40,000	\$ 40,000	5	2	4	4	1	5	20	8	12	12	2	10	
55	Widow's Walk Carpeting	Golf/Facilities	2020	G	\$ 125,000	\$ 125,000	5	2	4	3	0	3	20	8	12	9	0	6	
53	Widow's Walk Clubhouse Exterior	Golf/Facilities	2020	G	\$ 200,000	\$ 200,000	5	3	3	2	0	3	20	12	9	6	0	6	
48	Widow's Walk Commercial Kitchen Upgrade	Golf/Facilities	2020	G	\$ 140,000	\$ 140,000	5	2	1	3	0	4	20	8	3	9	0	8	
54	Construction New Senior Center	COA	2020	GF	\$ 12,780,000	\$ 8,900,000	1	3	4	4	2	5	4	12	12	12	4	10	
47	MS4 Compliance	DPW - Engineering	2020	GF	\$ 50,000	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
17	Replace 2006 Chevy Colorado Pick-up 4-2	DPW - Engineering	2020	GF	\$ 35,000	\$ 35,000	1	2	0	1	0	1	4	8	0	3	0	2	
50	Foreshore Protection	DPW - Foreshore Protection	2020	GF	\$ 200,000	\$ 200,000	1	2	5	3	4	3	4	8	15	9	8	6	
39	Replace #2-5 Int'l 1999 Dump Truck	DPW - Grounds	2020	GF	\$ 160,000	\$ 160,000	1	2	4	3	0	3	4	8	12	9	0	6	
33	Excavator	DPW - Grounds	2020	GF	\$ 65,000	\$ 65,000	1	2	2	3	0	3	4	8	6	9	0	6	
31	Cemetery Maintenance Database Program	DPW - Grounds	2020	GF	\$ 30,000	\$ 30,000	1	2	2	1	0	5	4	8	6	3	0	10	
64	Road & Sidewalk Improvements	DPW - Highway	2020	GF	\$ 200,000	\$ 200,000	3	2	5	5	4	3	12	8	15	15	8	6	
40	#L2/2000 JCB Backhoe	DPW - Highway	2020	GF	\$ 110,000	\$ 110,000	1	2	1	3	4	4	4	8	3	9	8	8	
28	Replace 2006 Chevy Pick-up #1-2 w/plow	DPW - Highway	2020	GF	\$ 65,000	\$ 65,000	1	2	0	2	0	5	4	8	0	6	0	10	
26	Replace 2009 Chevy 2500 P/U #101	DPW - Highway	2020	GF	\$ 50,000	\$ 50,000	1	2	1	1	0	4	4	8	3	3	0	8	
24	Replace 2009 Chevy 2500 P/U #102	DPW - Highway	2020	GF	\$ 50,000	\$ 50,000	1	2	1	1	0	3	4	8	3	3	0	6	
14	Replace #1-9 (2009) Chevy Pickup	DPW - Highway	2020	GF	\$ 60,000	\$ 60,000	1	2	0	0	0	1	4	8	0	0	0	2	
46	Generator at Library	Facilities	2020	GF	\$ 190,000	\$ 190,000	1	2	4	4	0	5	4	8	12	12	0	10	
49	Replace Ambulance	Fire	2020	GF	\$ 295,000	\$ 295,000	3	2	2	3	4	3	12	8	6	9	8	6	
41	Refurbish 2006 Rescue Pumper	Fire	2020	GF	\$ 90,000	\$ 90,000	1	2	4	3	0	4	4	8	12	9	0	8	
45	School Technology	School	2020	GF	\$ 100,000	\$ 500,000	1	2	2	3	4	5	4	8	6	9	8	10	
39	Capital Lease of School Buses Buyout	School	2020	GF	\$ 228,000	ongoing	1	2	3	4	0	3	4	8	9	12	0	6	
35	Resurface Asphalt Drives & Parking-H,C,W	School	2020	GF	\$ 424,780	\$ 697,968	1	2	2	3	0	4	4	8	6	9	0	8	
70	Aeration Tanks 1 & 2 Rehab	Sewer	2020	S	\$ 50,000	\$ 27,280	5	4	4	4	0	5	20	16	12	12	0	10	
68	Infiltration/Inflow	Sewer	2020	S	\$ 4,200,000	\$ 15,100,000	5	4	4	2	4	3	20	16	12	6	8	6	
65	Greenbush Sewer Line Project	Sewer	2020	S	\$ 300,000	\$ 300,000	5	3	4	3	2	4	20	12	12	9	4	8	
59	Structural Assessment of WWTP	Sewer	2020	S	\$ 25,000	\$ 25,000	5	3	4	3	1	2	20	12	12	9	2	4	
59	Structural Repairs at Wastewater Treatment Plant	Sewer	2020	S	\$ 250,000	\$ 250,000	5	3	3	4	0	3	20	12	9	12	0	6	
46	Powerwash & Paint Metal Space Buildings	Transfer Station	2020	TS	\$ 45,000	\$ 45,000	5	2	1	3	0	3	20	8	3	9	0	6	
67	Clean & Line Water Mains	Water	2020	W	\$ 1,000,000	ongoing	5	3	4	3	4	3	20	12	12	9	8	6	
59	Upgrade Well #17A	Water	2020	W	\$ 574,100	\$ 5,500,000	5	2	4	3	1	4	20	8	12	9	2	8	
54	10 Yr Meter replacement cycle program	Water	2020	W	\$ 175,000	\$ 175,000	5	2	1	3	4	3	20	8	3	9	8	6	
67	Repairs to Water Treatment Plant	Water/Facilities	2020	W	\$ 67,000	\$ 67,000	5	2	4	3	4	5	20	8	12	9	8	10	
63	Replacement of Docks & Gangways Cole Pkwy Marina	Waterways	2020	WW	\$ 250,000	\$ 250,000	5	3	4	3	2	3	20	12	12	9	4	6	
<b>Total FY20</b>						<b>\$ 22,695,880</b>	<b>\$</b>												



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2019041001		
Project Title:	Widows Walk Bathroom Renovation		
	Construction		
Department:	Facilities	Contact:	
Project Is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**  
Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.

upgrade existing bathrooms and provide showers.

**Benefits of Project and Impact if Not Completed:**  
Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.

existing bathrooms are inadequate and there is a need for showers.

**Discuss Operating Budget Impact:**  
Explain the project's short- and long-term impacts on the community's operating budget.

\$72,000

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$72,000		\$72,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 11/3/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-410-4		
Project Title:	Widows Walk Roof		
	Construction		
Department:	Facilities	Contact:	Kevin Kelly

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase \_\_\_ of \_\_\_

Description:

Replace asphalt shingle roof on main building.

Benefits of Project and Impact if Not Completed:

Existing roof is failing ( 20 years old)

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$40,000	\$40,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$40,000	\$40,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA <input checked="" type="checkbox"/> Grant(s) or Other Receipts

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$40,000	\$40,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2020041001	
Project Title:	Widows Walk Carpet	
	Construction	
Department:	Facilities	Contact:

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission X

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

Remove old original worn carpet and replace with a material better suited for "golfer foot traffic".

**Benefits of Project and Impact if Not Completed:**

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.*

New floor will last longer and easier to clean.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

\$125,000

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$125,000			\$125,000			<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-661-3		
Project Title:	Widows Walk Replace Building Exterior		
	Construction		
Department:	Facilities	Contact:	Kevin Kelly

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:  New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Replace building exterior clapboards, trim, stairs, doors and frame.

Benefits of Project and Impact if Not Completed:

Attached.

Discuss Operating Budget Impact:

Explain the project's short- and long-term impacts on the community's operating budget.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$200,000			\$200,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

WWalk Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other Receipts

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/24/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-541-1		
Project Title:	New Senior Center		
Category:	Construction		
Department:	Council on Aging	Contact:	Linda Hayes

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          Phase \_\_\_ of \_\_\_

**Description:**

*Proposed new senior center facility of approximately 14,000 square feet to be constructed on land parcel owned or available to the Town of Scituate to be approved at 2018 town meeting and subsequent ballot vote. Subsequent timeline to be decided.*

**Benefits of Project and Impact if Not Completed:**

The Senior Center is a critical stakeholder in managing and providing services to our community seniors and their families. The current facility lacks space for multiple programs, exercise areas, lunch facility, adequate parking, ADA requirements along with the welcoming space that a senior center should offer to the public for making connections and providing a home-base for many seniors in the community. Un-met needs will continue to increase in our community because of the inadequate facility. We will miss an opportunity to develop a town asset that is inclusive and provides a necessary Town service as well as that grows with the community as needs evolve, like the increase in residents approaching senior 'age' and the many and varied needs and interests so seniors between the ages of 60 and 65.

**Discuss Operating Budget Impact:**

The budget will need to grow to support the new facility operationally but programming can be managed to offset the costs and Formula Grant opportunities for funding and ongoing Fronds support will provide much needed funds once a building is complete.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$12,780,000		\$12,780,000				<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
							<input type="checkbox"/> CPA
<b>TOTAL</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$12,780,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

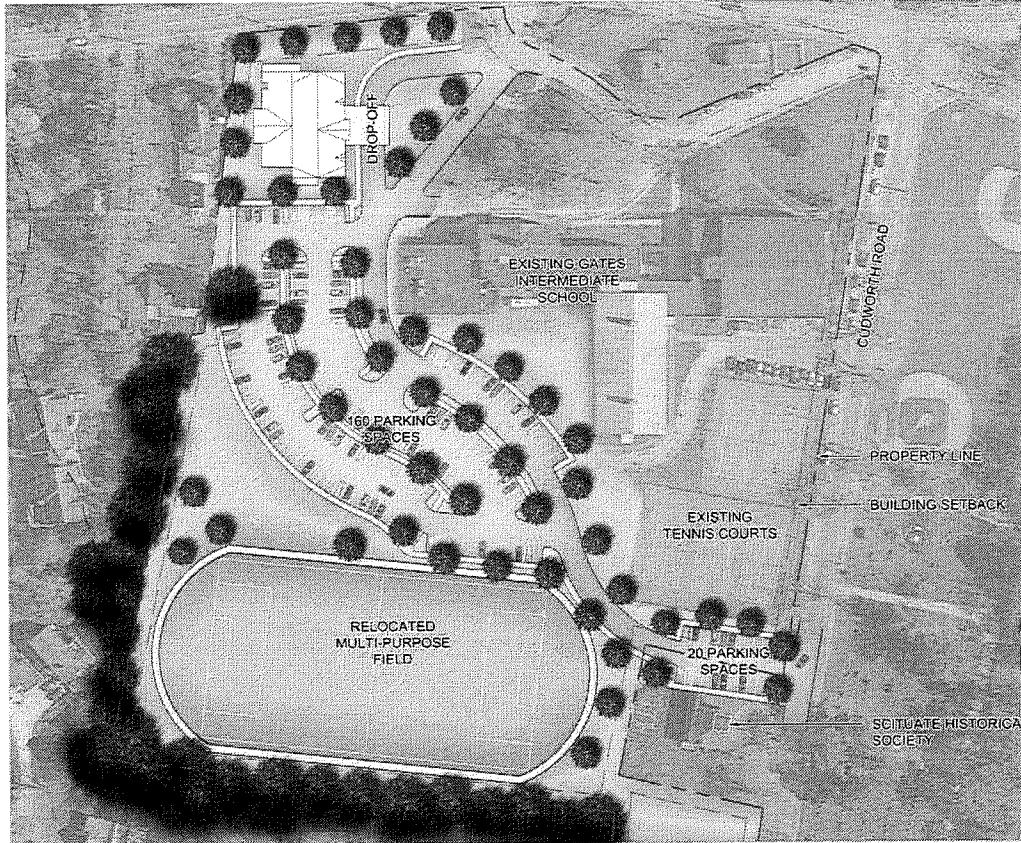
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

SITE DATA MATRIX

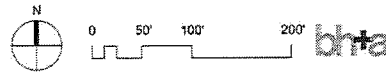
Data Category	620 Country Way	note	Gates School	note	Kent Street	note	85 Branch Street	note
<b>0 Zoning &amp; Dimensional Data</b>								
District	R-2		R-2		R-2	Water Resource Protection Overlay District Planned Development Overlay District (H-A2)	R-2	Water Resource Protection Overlay District
flood plain district	No		No		Yes	Eastern Edge of Site	Yes	Western Portion of Site
water resource protection district	No		No		Yes		Yes	
municipal building an allowed use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use	Yes	Assume Town Recreation use
deed restriction								
<b>Dimensional Restrictions</b>								
actual lot area from GIS map	4.50		6.00	acres	7.00	acres	11.00	no info on property map for adjacent site
actual square foot lot area from GIS map	196,020	sf	261,350	sf	304,920	sf	479,160	sf
minimum lot area	20,000 sf		20,000 sf		20,000 sf		20,000 sf	
minimum lot width	125 feet		125 feet		125 feet		125 feet	
minimum lot frontage of road	100 feet		100 feet		100 feet		100 feet	
front yard setback	30 feet		30 feet		30 feet		30 feet	
rear yard setback	30 feet		30 feet		30 feet		30 feet	
side yard setback	15 feet		15 feet		15 feet		15 feet	
allowable lot coverage for structures	na		na		na		na	
allowable buildable area in sf		sf		sf		sf		sf
proposed buildable footprint (coverage)	sf two story	sf two story	15,000	sf two story	15,000	sf two story	15,000	sf two story
footprint available for expansion based on coverage	na		na		na		na	
allowable lot coverage structures and parking	na		na		na		na	
allowable lot coverage in sf	na		na		na		na	
actual lot coverage for building & 125 cars	75,000	sf with 2 story building	75,000	sf with 2 story building	75,000	sf with 2 story building	75,000	sf with 2 story building
actual lot coverage structures and parking	90,000		90,000		90,000		90,000	
min lot area req'd for building & parking in zone	na		na		na		na	
max building height (stories)	3 stories		3 stories		3 stories		3 stories	
max building height (feet)	35 feet	to highest point	35 feet	to highest point	35 feet	to highest point	35 feet	to highest point



## SITE DESCRIPTIONS, SITE NOTES, AND SITE PLANS



Option B



The new Option B locates the Senior Center building at the North West corner of the site with its side fronting onto First Parish Road and its entry fronting on the green space at the front of the Gates School. The one-story wing of the school building is demolished to accommodate this option. This will provide good frontage on First Parish Road and will allow the existing circular entry drive to remain in place. The parking will be consolidated into one large lot behind the school building. The parking lot is essentially flat and at the same level as the Senior Center building. It accommodates 160 cars for both buildings. The future use of the Gates Building unknown but there will likely be an advantage to sharing the parking lot when the peak periods of use are analyzed relative to each other.

CONCEPTUAL CONSTRUCTION COST ESTIMATES

TOTAL PROJECT COST CALCULATION	620 Country Way				327 First Parish Road, Gates School			New Kent Street	85 Branch Street, Town Library		
	Option A & B	Option A	Option B	Previous Scheme	Option A & B	Option A	Option B	Option C			
<b>HARD COST</b>											
General Contractor	7,894,000	10,951,000	11,052,000	11,374,000	8,019,000	10,015,000	9,865,000	9,672,500			
Construction Cost Estimate	7,161,000	9,232,000	9,342,000	9,655,000	7,185,000	9,133,000	8,783,000	8,790,500			
Utility Backcharge	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000			
Furniture, Fixtures & Equipment	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000			
Furniture	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000			
Equipment (phones, computers, etc.)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
Hard Cost Subtotal	\$8,294,000	\$11,251,000	\$11,352,000	\$11,674,000	\$8,319,000	\$10,315,000	\$9,965,000	\$9,972,500			
<b>SOFT COST</b>											
Permits & Approvals	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000			
Conservation Commission											
Planning Board Site Plan Approval	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000			
Town Meeting											
Architecture & Engineering	791,100	998,200	1,009,200	1,040,500	876,900	1,076,500	853,300	954,050			
Architect & Engineer (% of construction cost) 10%	716,100	923,200	934,200	965,500	801,900	1,001,500	878,300	879,050			
A&E Reimbursables	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000			
FF&E Specification & Purchasing 10%	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000			
Geotechnical Engineer	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			
Survey & Layout	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			
Testing & Inspections	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000			
Concrete & Steel, Soil Inspections											
Project Management	165,860	225,020	227,040	233,480	166,380	206,300	199,300	199,450			
Owner's Project Manager 2%											
Moving	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000			
Advertising & Bidding	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000			
Public Bidding, Advertising, Printing & Document Website											
Legal	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000			
Contracts											
Other	-	-	-	-	-	-	-	-			
Bonding Costs											
Soft Cost Subtotal	\$1,017,000	\$1,284,000	\$1,297,000	\$1,334,000	\$1,104,000	\$1,343,000	\$1,213,000	\$1,214,000			
<b>CONTINGENCY</b>											
Contingency	419,000	564,000	569,000	585,000	424,000	525,000	503,000	503,000			
Owner's Contingency 4.5%											
<b>Project Total</b>	<b>\$9,730,000</b>	<b>\$13,099,000</b>	<b>\$13,218,000</b>	<b>\$13,593,000</b>	<b>\$9,847,000</b>	<b>\$12,183,000</b>	<b>\$11,681,000</b>	<b>\$11,689,500</b>			

This chart shows how construction costs are supplemented to other project costs to determine a Total Project Cost that is funded by a Town Meeting.

Potential Location	Nearby Residential Areas/Pedestrian Access	Access to Transit	Nearby Over-flow Parking	Estimated Parking Needs
Gates Intermediate School	Yes. No sidewalks provided on main roadways.	Yes. Scituate SLOOP on First Parish Road.	No. Parking for school and ancillary uses is limited.	125 to 150 spaces. 150(A) and 180 (B) provided. Additional parking will be needed for school and recreational uses.
New Kent Street	Minimal number of residential development. No sidewalks in area.	Yes. Scituate SLOPP on Driftway and Kent Street. MBTA Greenbush Line close by.	None.	125 to 150 spaces. 100 spaces provided with 35 supplementary spaces identified.
620 Country Way	Yes. Sidewalks available on Country Way.	Yes. Scituate SLOOP on Country Way	None.	100 to 125 spaces. 84 spaces provided with 35 supplemental spaces indicated.
85 Branch Street	Yes. Sidewalks on Branch Street	Yes. Scituate SLOOP on Branch Street.	Yes. Potential shared parking with library and Housing Authority.	100 to 125 spaces. 128 spaces provided for Option A, 213 spaces provided for Option B but that includes parking needed for library. 110 spaces with 40 supplemental spaces provided for Option C.

Limited sightlines on First Parish Road  
 Confusing turning movements @ intersection  
 1 access point if one story wing remains

High speed road  
 More than adequate sight distance  
 2 access points

30 mph reasonable speed road  
 1 access point  
 More than adequate sight lines  
 Tight site; No expansion

2 options w/ only 1 access  
 Shared parking  
 Impacts new work  
 reasonable speed road  
 More than adequate sight lines



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-411-2		
Project Title:	MS-4		
Category:	Study		
Department:	DPW	Contact:	Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [x]    Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for MS-4 environmental requirements.*

**Benefits of Project and Impact if Not Completed:**

*Mandatory state and federal requirements for stormwater management by municipalities.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$50,000		\$50,000			
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

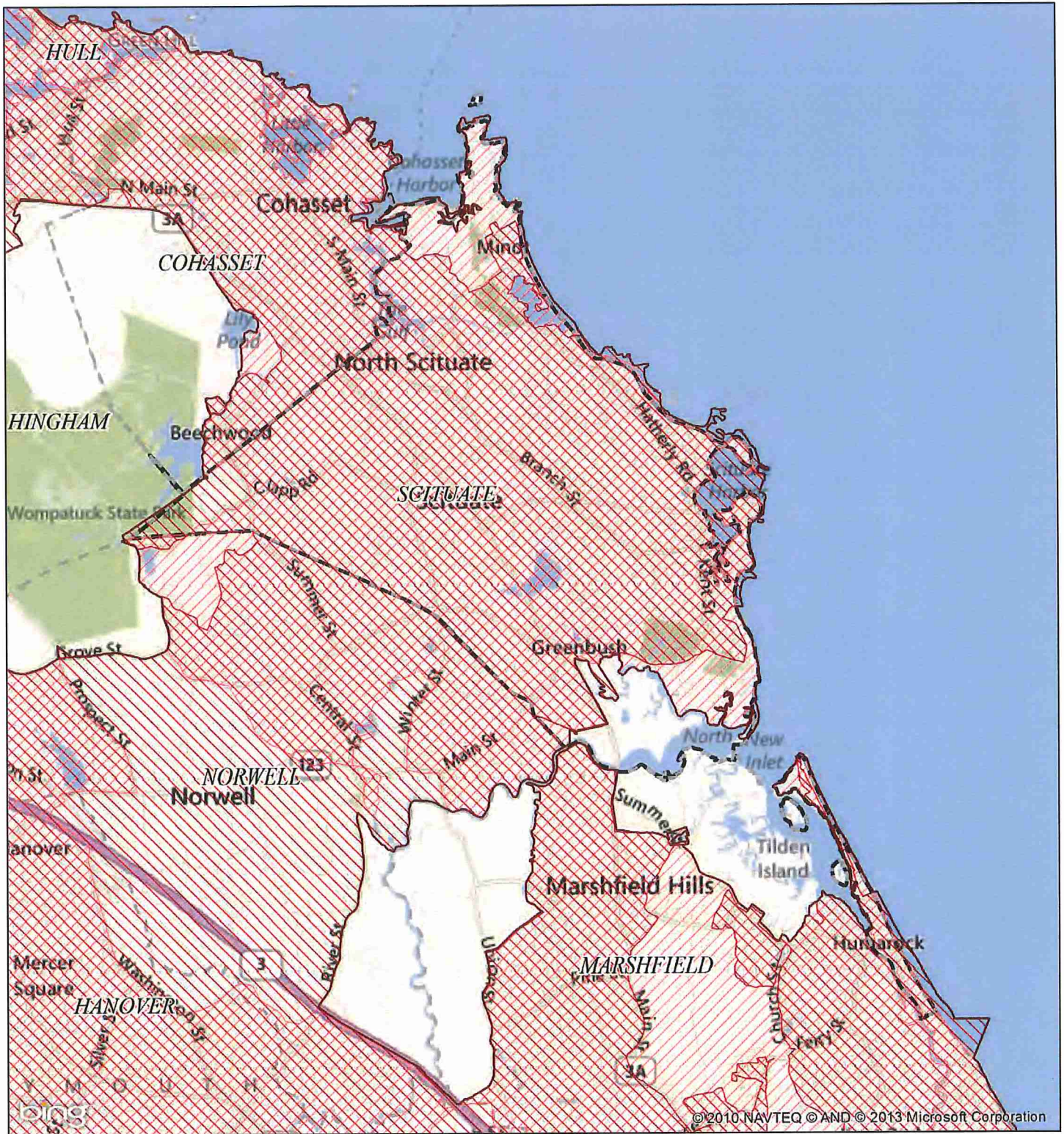
Recreation

Historical

Housing

**Operating Budget Impact**

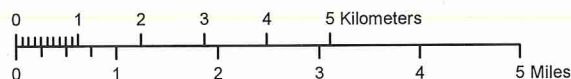
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



NPDES Phase II Stormwater Program  
Automatically Designated MS4 Areas  
**Scituate MA**

Town Population: **17654**  
Regulated Population: **17353**  
(Populations estimated from 2010 Census)

Regulated Area:



Urbanized Areas, Town Boundaries:  
US Census (2000, 2010)  
Base map © 2013 Microsoft Corporation  
and its data suppliers



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/11/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-411-03		
Project Title:	Engineering Vehicle		
Category:	Engineering Dept Pickup		
Department:	Engineering	Contact:	Sean McCarthy

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

The Engineering Department currently utilizes a 2006 Chevy Colorado 4-2 to transport equipment and other tools to project sites throughout Town.

Benefits of Project and Impact if Not Completed:

The current vehicle is 10 years old and showing signs of frame rot. This is both a vehicle inspection and safety concern.

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$35,000			\$35,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



# Liberty Chevrolet


Scituate Department of Public Works, Highway Division  
Town Hall  
600 Chief Justice Cushing Highway  
Scituate, MA 02066  
Attn: George Mason, Mechanic

October 31, 2014

Dear Mr. Mason,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract #12-13-14 with the Plymouth County Commissioners. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

Item #21	2014 Chevrolet Full Size K2500 4x4 Silverado Pick up 133" Wheelbase, Long Bed, 9,500 LBS GVWR Pick up 6.0 Liter V8 E85 Capable, 360 HP with Oil Cooler 6 Speed Automatic Transmission with Oil Cooler 125 Amp Alternator and 600 CCA Battery with Run-down Protection Automatic Halogen Headlights with Daytime Running Lights Heavy Duty Handling/Trailering Suspension Package Front Chassis Mounted Recovery Hooks Four Wheel Anti-Lock Front and Rear Disc Brakes (5) LT245/75R16E All Season Radials with Full Size Spare Manual Folding OSRV Mirrors Vinyl Trim, 40/20/40 Split Bench Seat with Center Fold Down Armrest Heavy Duty Vinyl Floor Mat AM/FM Stereo with Digital Clock Tilt Steering Wheel and Cruise Control 3 Dash Mounted Auxiliary Power Outlets Factory Air Conditioning Factory Gauge Package with Tachometer and Tire Pressure Monitor Driver Information Center Manual Windows and Door Locks	\$24,483.00
1.01	All Terrain Radial Tires	\$ 245.00
1.02	Class III Trailer Towing Package	\$ 425.00
1.03	Automatic Locking Rear Axle	\$ 315.00
1.09	Duramax Turbo Diesel with Allison Transmission	\$ 8,336.00
1.11	Snow Plow Prep Package	\$ 410.00
1.12	Engine Block Heater	\$ 64.00
1.16	220 Amp Heavy Duty Alternator	\$ 64.00
1.19	Factory Skid Plate Package	\$ 128.00
1.23	Power Windows and Door Locks	\$ 882.00
1.24	Keyless Remote Entry	\$ 241.00
1.44	Electric Remote Heated OSRV Camper Mirrors	\$ 227.00

90 Bay State Road • Wakefield, MA 01880 • 781.246.1919 • FAX 781.245.8987 • www.libertychevy.com 

0000/30000

LIBERTY CHEVROLET

0000/30000



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-411-1	
Project Title:	Foreshore Protection	
Category:	Construction & Study/Design	
Department:	DPW	Contact: Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for foreshore protection projects including repairs to seawalls, design of new foreshore projects and town share match for foreshore grants.*

**Benefits of Project and Impact if Not Completed:**

*To have available funds to make repairs, move forward with studies and perform engineering and design on new projects.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$100,000		\$100,000			
Land Acquisition	\$0					
Construction	\$100,000		\$100,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020042901		
Project Title:	Truck 2-5, Medium Duty Dump Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Replace the 1999 dump truck with a new Medium Duty Truck.

The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 20 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support public grounds in tree trimming, field mowing (Hauls Lawn Mowers) and field repairs.

**Benefits of Project and Impact if Not Completed:**

The existing 2-5 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a large plow and salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$185,000 to the 2020 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$185,000			\$185,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$185,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$185,000</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$185,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$185,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				

17  
Total Cost

\$ 159,978.82 Truck  
+ 12,500.00 Plow

172,478.82  
x 1.05 (Escalation)

\$181,102.76

∴ Cost ~ \$185



**MAC****CK**®

## PROPOSAL

Especially Prepared For:

Town Of Scituate  
600 Chief Justice Cushing HWY  
Scituate, MA 02066

Presented By:

Eric Archambault  
Ballard Truck Center

1 Mack Drive  
Avon, Massachusetts 02322  
eric@ballardtrucks.com



# CHASSIS SPECIFICATIONS SUMMARY

June 02, 2016

## 2017 MACK GU713

DUMP ..... On/Off Hwy  
STRAIGHT TRUCK WITHOUT TRAILER

Engine	MACK MP7-405M 405HP	Transmission	TMD12AO-HD
		Clutch	CLS43B-O-MERITOR/SACHS, SINGLE
Front Axle	20,000# FXL20	Rear Axle	52,000# S522 Ratio 3.79
Suspension	20,000#	Suspension	52,000# S52
Tires	Front: 315/80R22.5 Rear: 12R22.5	Wheels	22.5x9.0 ALUMINUM DISC 22.5x9.0 ALUMINUM DISC
Ratings	GVW: 72,000# GCW: 80,000#	Fuel Tanks	LH, 72gal
Fifth Wheel		Sleeper	

### PRICING SUMMARY

\*\*\*SELLING PRICE (Excluding Taxes/Fees/Trade)\*\*\*

- Surcharge
- Net FRET or Canadian GST Taxes
- Tire Tax Credit (Municipal Only)
- Sales/Usagè Taxes
- License/Title/Etc.
- Misc Fees
- Trade

Total Price

\$160,395.76

\$0.00

\$0.00

(\$416.94)

\$0.00

\$0.00

\$159,978.82

\*\*\*ACQUISITION COST (Include Trade if applies)\*\*\*

Less Down Payment

\$159,978.82

BALANCE DUE Per Unit

\$159,978.82

PRICE (Total Order)

\$159,978.82

BALANCE DUE (Total Order)

Total Quantity: 1

Estimated Total Weight: 18,311#

Reference#: AJKY025017A

X \_\_\_\_\_  
 Prepared For: \_\_\_\_\_  
 Town Of Scituate  
 600 Chief Justice Cushing HWY  
 Scituate, MA 02066  
 Phone: 781-545-8731  
 Fax: --

X \_\_\_\_\_  
 Presented By: \_\_\_\_\_  
 Eric Archambault  
 Ballard Truck Center  
 Avon, Massachusetts 02322  
 (508) 559-0771  
 eric@ballardtrucks.com

Dealer Signature Date



2-5

FREDONIA, MA

TOWN OF SCITUATE  
PUBLIC GROUNDS DIV.

4700  
CT48EE



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2019042904	
Project Title:		
Category:	Excavator	
Department:	Public Grounds	Contact:

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

Multiyear        Phase \_\_\_ of \_\_\_

**Description:**

*Provide project description, including an overview of its timeline, location(s), stakeholders, cost drivers, supporting detail, and expected useful life.*

Replace Excator  
Timeline July 1, 2020  
Location 68 Capt Peirce Road

**Benefits of Project and Impact if Not Completed:**

*Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long-term consequences of not funding the project.*

Excavator is used for cleaning culverts and trench work. Benefits would be using less contractors for digging in tight digging areas

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000			\$65,000			<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



# Milton



### Massachusetts & RI Locations:

100 Quarry Dr.  
Milford, Ma. 01757

84 Concord St.  
N. Reading, Ma. 01864

14 Kendrick Rd., Rte 28  
Wareham, Ma. 02571

2158 Plainfield Pike  
Cranston, RI. 02920

**Southworth-Milton, Inc.**

[www.miltoncat.com](http://www.miltoncat.com)

## Budget Quotation

DATE: October 23, 2017

**Town of Scituate DPW**

600 Chief Justice Cushing Hwy

Scituate, Ma. 02066

**Kevin Cafferty**

**State Contract:** FAC88

Qty	Description	List Price	State Contract Price
1	<b>New 2017 Cat 305.5E2 excavator with:</b> Deluxe Cab with heat and AC, Radio Long stick, Manual quick coupler, hydraulic thumb 24" Heavy Duty digging bucket Roof mount beacon, mirrors, travel alarm. Rubber belt undercarriage, pattern control changer 3yr 1000 hour full warranty, Delivery and training	\$ 96,900.00	\$ 63,900.00

**Total State Contract Delivered Price: \$ 63,900.00**

**Tom Benedetti Jr**

*Governmental and State Sales*

Mobile Phone: 774-258-1636

Fax: 774-907-3062

[tom\\_benedetti@miltoncat.com](mailto:tom_benedetti@miltoncat.com)



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2020-429-01		
Project Title:	Cemetery Maintenance Database/Program		
Category:			
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*Cemetery Maintenance Database program would allow easy access and data tracking for Union Cemetery and Cudworth Cemetery.*

**Benefits of Project and Impact if Not Completed:**

*The would allow an accurate listing of all souls buried at these two Town Cememtry. This would also allow the town to have current technoolgoy applied for cemetery maint and tracking.*

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$30,000		\$30,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



# CemSites

Affordable Technology for Cemeteries

Proposal

*does not include  
data migration*

*ETran*



# Why choose us?

We are a fresh, forward-thinking company established in 2012 near Pittsburgh, Pennsylvania. We invested years perfecting our cemetery-focused customer relationship management software and its framework. Our team initially released trial versions to numerous cemeteries and analyzed their needs so that our software has all of the core functionality and adaptability needed for cemeteries of various sizes.

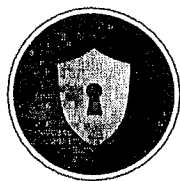
Our mission is to bring the time and money-saving benefits of modern technology to every cemetery organization within a reasonable budget. Our philosophy embraces the values of heritage and perpetual care – the same values that every community should expect from their local cemetery.

Our company structure allows us to be flexible enough to quickly implement new technology without being hindered by red tape. With our innovative Secure CRM and software add-ons, cemetery staff can visualize and organize records like never before.



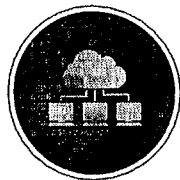
## **CUSTOMIZABLE PRODUCTS**

FlexCore Framework, the platform that we use to build CemSites products, allows us to rapidly deploy custom database applications. Our team invested years in perfecting this tool to provide you with a completely customizable system which uses your cemetery hierarchy and processes to do business without including unwanted features. Even though our products are tailored to fit your needs, FlexCore Framework keeps them up-to-date with the latest discoveries and implements advances globally.



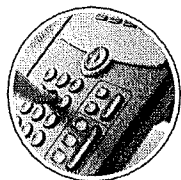
## **SECURITY**

All data in Secure CRM on FlexCore Framework is stored on servers that are protected by armed guards 24/7/365. CemSites software is both PCI and HIPAA compliant and is protected by the same security standards used by world governments and financial institutions. Data is stored in multiple locations, backed up daily and retrievable for up to 30 days; it is even downloadable if you would like to retain it yourself.



## **WEB-BASED TECHNOLOGY**

A web-based system from CemSites offers many advantages over box software. CemSites software is not device-dependent; it can be accessed from any device at any location. There is no need to worry about changes in computer operating systems making our software incompatible or about computer failures ruining your data.



## **TRAINING AND SUPPORT**

We personally train your team to use our software and assign an account manager that you may call for technical assistance. We promise to get back to your questions within 24 hours.



# SECURE CRM

## Cemetery Record Management Software

Secure CRM is all you need to start managing your cemetery with CemSites, but be sure to check out our add-ons for even more features.

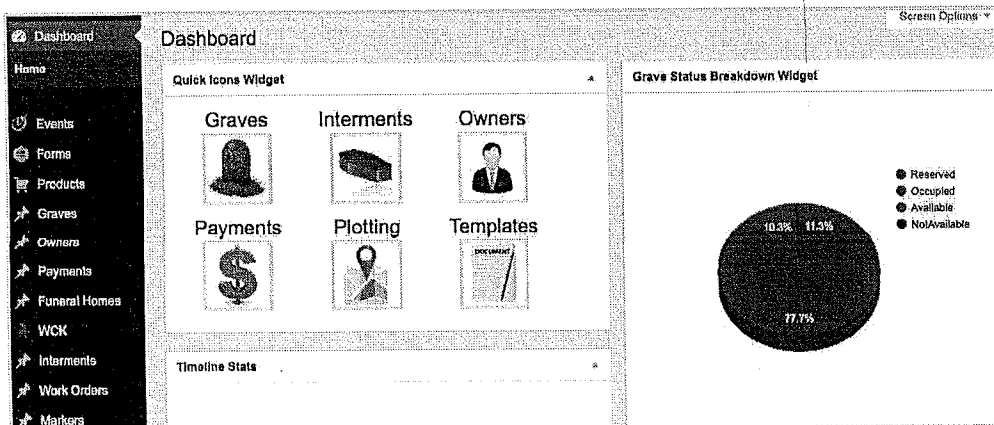
Secure CRM is our powerful, completely customizable web-based cemetery record management software that is built on FlexCore Framework. It is user-friendly and intuitive while maintaining robust computing, searching and plotting options to most effectively manage data.

### HOW IT PAYS OFF

Secure CRM was given its name for a reason: All data stored in Secure CRM on FlexCore Framework is protected by the same security standards used by world governments and financial institutions. Because Secure CRM is web-based and always up-to-date, having outdated software will no longer be a concern. As opposed to the months or years of setup for most software on the market today, CemSites software can be up and running within weeks with the promise and commitment of our staff.

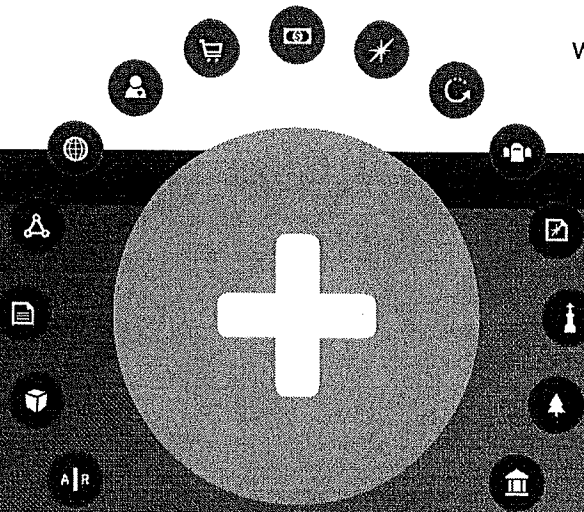
### FEATURES

- User-based dashboard with critical support metric oversight
- Grave and owner management
- Work order management
- Funeral home management
- Document management
- Field highlighting
- Data migration
- Disaster prevention
- Permission-based roles
- Offline and private network installs
- Quick implementation



"I would highly recommend CemSites; they've been able to increase our revenues and have made my job much easier."

- CINDY FISHER  
Office Manager,  
Round Hill Cemetery








## ADD-ONS

Modules to complement Secure CRM

Add-ons provide you with the ability to pick the tools you want, so you are only paying for what you'll use.

## Stay organized and informed

-  **AR FINANCE MODULE**  
The AR Finance Module provides an efficient and reliable way to streamline your cemetery's entire receivables process and export data to other software. With extensive financial information at your fingertips, your cemetery can make more accurate business decisions.
-  **INVENTORY MANAGER**  
Keep track of monuments, benches, and other sellable items right in Secure CRM – no double data entry necessary! This add-on works seamlessly with our other add-ons to provide an integrated and automated sales system built to fit cemeteries' operations.
-  **DOC PRINTING MODULE**  
The Doc Printing Module saves time by automating the document workflow. Eliminate the need for handwriting and never deal with double entry by printing autopopulated templates for deed transfers, interments and obituaries.
-  **MULTI-LOCATION MODULE**  
This tool provides an oversight view of all cemeteries at once for administrators that handle multiple locations. With the data gleaned from the Multi-Location Module, decision makers can make well-informed choices, and cemetery staff can be coached appropriately so that all cemetery locations can work together in the most efficient way possible.
-  **CUSTOM SOLUTIONS**  
Don't see the module you need? Ask and we will build it for you. Thanks to our advanced FlexCore Framework, we can create custom management software solutions to fit all cemetery-related organizations, such as combination cemeteries with funeral homes or pet cemeteries.

## Reach out and build profit



### WEBSITE INTEGRATION

Showcase your cemetery online with autopopulated data from Secure CRM. Sell products and services, publish records, announce arrangements and more. Our team can create a website from scratch or integrate with an existing site.



### REVENUE PLUS

Drive new revenue streams by selling any product or service directly from your website, even if sales are sub-contracted through local or national vendors. The module also includes a drip marketing tool, allowing you to engage the community and expand opportunities.



### KEEPSAFE FAMILY LEGACIES

The KeepSafe Family Legacies add-on provides online pages that clients can purchase to add and display biographical information about both living and deceased loved ones. The legacy pages act like an online safety deposit box for future generations, full of information from clients who create their own autobiography or add to their loved ones' legacies.



### SALES MODULE

The Sales Module is a tool that keeps track of customers and aids in the development and organization of prospects, leads and sales and gives you the power to grow your pipeline. Spend more time selling instead of fretting over sales processes.


KeepSafe Family Legacies





Revenue Plus





## Visualize your cemetery


- 


**GRAVE MAPPING**  
The Grave Mapping add-on allows cemeteries to plot and display the location of graves within an intuitive interface. With Walk-to-Site mobile navigation, visitors and staff members can quickly find graves without assistance.
- 

**MARKER MANAGER**  
Save time by viewing the markers that exist in a lot in a simple, organized view. Marker Manager's ability to keep track of marker information makes it a great auditing tool. Plus, create great upselling opportunities by running reports on graves without markers.
- 

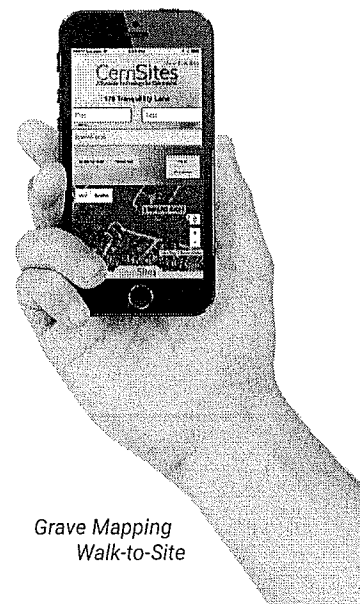
**CEMVISION360**  
Interactive, 360-degree mapping of cemeteries allows grounds to be explored without the long walk or having to brave inclement weather. Staff can use CemVision360 to give tours to customers without leaving the office, and the public can use this tool to virtually visit graves from the comfort of their homes.
- 

**OBSTRUCTION MANAGER**  
Create layered maps to mark the locations of trees, benches, buildings and other obstructions in relation to graves. This add-on can assist in making better groundskeeping decisions and aid staff by helping them pinpoint areas in need of maintenance.
- 

**VISUAL LOT VIEWER**  
The Visual Lot Viewer digitally represents entire cemeteries' layouts, providing a way to visually connect burial, grave, owner and marker information with physical location. Find available graves right from the lot and edit record information on the fly.
- 

**MAUSOLEUM MAPPING**  
The Mausoleum Mapping add-on visually connects niches and owner record information within Secure CRM to its physical location. Use the face view and section photograph features to "walk through" niche location options with potential customers without leaving the office.
- 

**MAP PRINTING MODULE**  
Search and print cemetery maps by section or lot to use as a reference tool for both visitors and grounds crew. Never deal with highlighting outdated maps again!



Grave Mapping  
Walk-to-Site

"I've been coming to the cemetery since the passing of my father in 1976. The Walk-to-Site technology allows me to use my smartphone to track my steps right to the gravesite."

– RICK MAZE  
Cemetery customer

**CEMSITES**  
4256 State Route 51 North  
Suite 102  
Belle Vernon, Pennsylvania 15012  
United States  
(724) 906-4441

**QUOTE #**  
000614

**BILLED TO PAULA  
BARRY**  
600 Chief Justice  
Cushing Hwy  
Scituate, MA 2066  
United States

PRODUCT	QUANTITY	TOTAL
<b>Secure CRM</b> <i>Completely customizable web-based cemetery records management software that is built on FlexCore Framework. It is user-friendly and intuitive while maintaining robust computing and advanced searching options effectively automate your workflow process</i>	1	\$2,500.00
<b>Mapping Lot Level</b> <i>Mapping allows cemeteries to plot and display the location of graves.</i>	1	\$2,500.00
<b>Mapping License</b> <i>Annual License.</i>	1	\$500.00
<b>Marker Manager</b> <i>Save time by viewing the markers that exist in a lot in a simple, organized view. Plus, create great up-selling opportunities by running reports on graves without markers.</i>	1	\$0.00
<b>Visual Lot Viewer</b> <i>Visually connect burial, grave, owner and marker information with its physical location and find available graves right from the lot.</i>	1	\$0.00
<b>Document Automation</b> <i>Print auto-populated templates for deed transfers, interments and work-orders. Save time and money by reducing double-entry. (includes up to 3 documents)</i>	1	\$1,200.00
<b>Website Integration</b>	1	\$1,000.00

*This one page integration is made to emulate your existing website and work seamlessly from the public perspective. It allows you to post upcoming burials, recent interments and search for grave locations. Auto-populated data from Secure CRM.*

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<b>Website Hosting</b>	1	\$480.00
<i>Annual License.</i>		

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<b>Secure CRM License</b>	1	\$900.00
<i>Annual License.</i>		

	<b>TOTAL</b>	<b>\$9,080.00</b>
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Southworth-Milton, Inc.  
www.miltoncat.com

May 19<sup>th</sup>, 2010

Mr. Kevin Cafferty

Superintendent  
Scituate Highway Dept.  
600 Chief Justice Cushing Way  
Scituate, MA 02066

Mr. Cafferty,

The following is your budgetary quotation for a New CAT 430E-IT Backhoe Loader and requested attachments / specifications.

(1) New CAT 4x4 430E-IT Backhoe Loader: \$107,237.00  
*Includes: Loader Coupler, 3<sup>rd</sup> Valve, 4/1 MP Loader Bucket, E-Stick, Wain- Roy Swinger Coupler, Hydraulic Thumb, 12 and 24" HD Buckets, 36" Clean-up Bucket, Ride Control, Air Conditioning, AM/FM/Radio CD Auto-Shift/Power-Shift, and (1)Year Full Warranty.*

Please see the attached specifications marked (Ayer Public Works) for your review.

Contact me anytime with your questions.

Thank you for your consideration,

Dennis Head  
Municipal and Governmental  
508-981-4653 Mobile Phone  
508-590-7997

Corporate Headquarters 100 Quarry Drive Milford, MA 01757 508.634.3400	14 Kendrick Road, Rt. 28 Wareham, MA 02571	2158 Plainfield Pike Cranston, RI 02920 401.946.6350	1-89 Exit 6 Mail to: 554 Maple St. Hopkinton, NH 03229 603.746.4611	Rt. 103, 1-89 Exit 7 Wamer, NH 03278 603.746.4671	79 Robertson Boulevard Brewer, ME 04412 207.989.1890	16 Pleasant Hill Road Scarborough, ME 04070 207.883.9586
One Cat Lane, Rt. 2 Richmond, VT 05477 802.434.4228	500 Commerce Drive Clifton Park, NY 12065 518.877.8000	294 Ainsley Drive Syracuse, NY 13205 315.476.9981	2140 Military Road Buffalo, NY 14150 716.694.7200	275 Market Place Drive Rochester, NY 14623 585.475.1330	55 Industrial Park Drive Binghamton, NY 13904 607.772.6500	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-422-04		
Project Title:	Truck 1-2, Diesel Pick up Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New [ ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Description:**

Replace the 2006 truck with a new pick up truck.

The expected useful life of a pick up Truck varies depending on the activities that the machine is used for. The average lifespan for an average truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 11 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.

**Benefits of Project and Impact if Not Completed:**

The existing 1-2 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it is used for travel for light jobs around town including replacing traffic lights, after hours calls, to transport equipment parts.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$65,000			\$65,000			<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing	
CPA Amount Requested	\$0					
Net of CPA and Grants	\$65,000	\$0	\$0	\$65,000	\$0	\$0
<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



1. Truck: Public Grounds 1-2
2. Year : 2006 Chev
3. Mileage : 78,000
4. Used for: Moving trailers transporting tools, generator, welder, transporting employees when needed
5. Problems to truck : body rot



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020042202		
Project Title:	Truck 101, Medium Duty Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Replace the 2009 Chevy 2500 truck with a new Medium Duty Truck.

The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 11 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

Benefits of Project and Impact if Not Completed:

The existing 101 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a large plow and salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

Discuss Operating Budget Impact:

The new truck will be an impact of \$50,000 to the 2020 capital.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$50,000			\$50,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$50,000	\$0	\$0	\$50,000	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

CONFIDENTIAL Preview

*[Handwritten signature]*

2500  
~~2500~~  
 199, 192

Date Printed: 2018-09-21 1:45 PM VIN:  
 Estimated Ship Date: YONX

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYNHAM (44798)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44798)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Plow - Add \$6500

Vehicle: 2017 2500 TRADESMAN REG CAB 4X4 (140" In WB 8' FT 0 IN box) (DJ7L62)

Model:	Sales Code	Description	MSRP (USD)
Package:	DJ7L62	2500 TRADESMAN REG CAB 4X4 (140" In WB 8' FT 0 IN box)	34,995
	ZFA	Customer Preferred Package 2FA	0
	ETK	3.7L I6 Cummins Turbo Diesel Engine	9,100
	DG7	6-Spd Automatic 68RFE Transmission	0
Paint/Sealant:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	195
	*X6	Black/Diesel Gray	0
Options:	4DH	Prepaid Holdback	0
	AES	Delivery Allowance/Credit	0
	MAF	Fleet Purchase Incentive	0
	UA1	Uconnect 3.0	185
	XAC	ParkView(TM) Rear Back-up Camera	245
	MRT	Chrome Tubular Side Steps	525
	DSA	Anti-Spin Differential Rear Axle	395
	ACL	DOT Certified Roadside Safety Kit	195
	XXS	Upfitter Electronic Module (VEM)	325
	XMP	Spray In Bedliner	485
	LNJ	Fog Lamps	185
	LHL	Auxiliary Switches -I/P Mounted	145
	AED	Chrome Appearance Group	895
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	AJH	Power and Remote Entry Group	735
	ADE	Cold Weather Group	95
	GPG	Power Black Trailer Tow Mirrors	195
	XHC	Trailer Brake Control	280
	AHD	Heavy Duty Snow-Plow Prep Group	135
	5N6	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	192	Zone 32-New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid-Ineligible For Incentive	0
Bid Number:	TB7068	Government Incentive	0

Plow  
 \$39,561.00 + 6500 ~ \$46,061 ~ 47K

Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the contract listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.

J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER, MA.

SALES DEPT.  
TEL.(978)847-2900  
FAX(978)847-0068

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CUYD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED ONE COLOR WITH THE  
FOLLOWING ITEMS.

- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINTLE ASSEMBLY ADD \$550.00
- 3) REAR CORNER POST RECESSED FLASHERS ADD \$600.00

APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

PO# \_\_\_\_\_



## FIXED ASSETS

### USEFUL LIFE - RECOMMENDED GUIDELINES SUMMARY

This listing, a condensed version of the more specific schedule, reflects a range of estimated life used by several counties for depreciation purposes. It is not intended to be an all inclusive list of specific equipment. Your county's schedule should reflect not only the purchase price but also consideration of the rental hours and costs added for these particular types of equipment so that expenses of such are recouped within the depreciation time period. The determination of estimated life is based upon these tables and the County's own experience and professional opinion.

<u>Equipment Types</u>	<u>Estimated Life (Yrs)</u>
Attachments -Mounted and Pulled	5 - 15
ATVs - All Classes	5 - 8
Autos - Vans	5 - 8
* Bituminous Maintenance Equipment	5 - 10
Compressors	7 - 10
* Concrete Maintenance Equipment	5 - 10
Conveyors-Stackers	5 - 10
Forklifts - Skidsteers	5 - 10
Generators - Engines	5 - 10
Heavy Equipment	10 - 15
(Includes specialized equipment for specific road maintenance procedures)	
Hoist / Lift - not attached to bldg. or unit	5 - 10
Pickups	5 - 8
Plant - Crushing , Screening ,Washing	15 - 20
Salt Brine Systems	8 - 10
Small Maintenance Tools	3 - 5
(Saws, Jack Hammers, etc. often holding a number just to allow cost recovery)	
Steamers	5 - 8
Tractors	10 - 15
Trailers, large	8 - 15
Trailers - Pup, belly dump, flatbeds	7 - 12
Trailers, small	5 - 10
Trucks,	7 - 12
(Tandems and single axle trucks over 1 Ton)	
* Turf Establishment & Maintenance Equipment	5 - 10
Water Tanks	6 - 8
Wood Chippers	8 - 10

\* Includes specialized equipment not large enough to be considered "Heavy Equipment"

Many small equipment items that do not meet the capitalization threshold for a county are listed on the asset list for the purpose of recouping maintenance funds. These items can be expensed in the year purchased.

Broad categories have been used in the list to allow the list flexibility and longevity. The county can use the categories and life spans that best fit thier situation.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020042204		
Project Title:	Truck 10, Medium Duty Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2009 Chevy 2500 truck with a new Medium Duty Truck.

The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 11 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support highway Division in various road projects and repairs and used to tow hot topping machine.

**Benefits of Project and Impact if Not Completed:**

The existing 102 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it handles a large plow and salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$50,000 to the 2020 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$50,000			\$50,000			<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$50,000</b>	\$0	\$0	\$50,000	\$0	\$0		

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$50,000	\$0	\$0	\$50,000	\$0	\$0	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

*[Handwritten signature]*

2500  
~~2500~~  
 pg 1 of 2

Date Printed: 2018-09-21 1:45 PM VIN: YON  
 Estimated Ship Date:

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYNHAM (44788)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44788)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Plow - Add \$6500

Vehicle: 2017 2500 TRADESMAN REG CAB 4X4 (140 in WB 8 FT 0 IN box) (DJ7L62)

Model:	Sales Code	Description	MSRP (USD)
Package:	DJ7L62	2500 TRADESMAN REG CAB 4X4 (140 in WB 8 FT 0 IN box)	34,895
	ZFA	Customer Preferred Package ZFA	0
	BTX	6.7L I6 Cummins Turbo Diesel Engine	9,100
	EG7	6-Spd Automatic 68RFE Transmission	0
Rail/Usa/T/Fin:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	195
	*XB	Black/Diesel Gray	0
Options:	4DH	Prepaid Holdback	0
	4ES	Delivery Allowance/Credit	0
	MAF	Fleet Purchase Incentive	0
	UA1	Uconnect 3.0	185
	XAC	ParkView(TM) Rear Back-up Camera	245
	MRT	Chrome Tubular Side Steps	525
	DSA	Anti-Spin Differential Rear Axle	395
	ACL	DOT Certified Roadside Safety Kit	185
	XXS	Upfitter Electronic Module (UESM)	326
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	5N8	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	182	Zone 32: New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid-Eligible For Incentive	0
Bid Number:	TB7068	Government Incentives	0

\$39,581.00 + 6500 ~ \$46,081 ~ 47K

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J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER, MA.

SALES DEPT.  
TEL.(978)847-2900  
FAX(978)847-0068

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CUYD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED ONE COLOR WITH THE  
FOLLOWING ITEMS.

- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINTLE ASSEMBLY ADD \$550.00
- 3) REAR CORNER POST RECESSED FLASHERS ADD \$600.00

APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

PO# \_\_\_\_\_

## FIXED ASSETS

### USEFUL LIFE - RECOMMENDED GUIDELINES SUMMARY

This listing, a condensed version of the more specific schedule, reflects a range of estimated life used by several counties for depreciation purposes. It is not intended to be an all inclusive list of specific equipment. Your county's schedule should reflect not only the purchase price but also consideration of the rental hours and costs added for these particular types of equipment so that expenses of such are recouped within the depreciation time period. The determination of estimated life is based upon these tables and the County's own experience and professional opinion.

<u>Equipment Types</u>	<u>Estimated Life (Yrs)</u>
Attachments -Mounted and Pulled	5 - 15
ATVs - All Classes	5 - 8
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Compressors	7 - 10
* Concrete Maintenance Equipment	5 - 10
Conveyors-Stackers	5 - 10
Forklifts - Skidsteers	5 - 10
Generators - Engines	5 - 10
Heavy Equipment	10 - 15
(Includes specialized equipment for specific road maintenance procedures)	
Hoist / Lift - not attached to bldg. or unit	5 - 10
Pickups	5 - 8
Plant - Crushing , Screening ,Washing	15 - 20
Salt Brine Systems	8 - 10
Small Maintenance Tools	3 - 5
(Saws, Jack Hammers, etc. often holding a number just to allow cost recovery)	
Steamers	5 - 8
Tractors	10 - 15
Trailers, large	8 - 15
Trailers - Pup, belly dump, flatbeds	7 - 12
Trailers, small	5 - 10
Trucks,	7 - 12
(Tandems and single axle trucks over 1 Ton)	
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Water Tanks	6 - 8
Wood Chippers	8 - 10

\* Includes specialized equipment not large enough to be considered "Heavy Equipment"

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020042207	
Project Title:	Truck 1-9, Diesel Pick up Truck	
Category:	Equipment	
Department:	Highway	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:      New    [ ]      Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Replace the 2009 truck with a new pick up truck.

The expected useful life of a pick up Truck varies depending on the activities that the machine is used for. The average lifespan for an average truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 11 years.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.

**Benefits of Project and Impact if Not Completed:**

The existing 1-9 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

The truck must be replaced because it is used for travel for light jobs around town including replacing traffic lights, after hours calls, to transport equipment parts, and for snow spot checking.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000 to the 2020 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input checked="" type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$0						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$65,000			\$65,000				
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

# CENTRAL



Shipping 10.10.16 - schedule

June 21, 2016

Mr. Kevin Cafferty  
Town of Scituate Department of Public Works  
Highway Department  
68 Captain Pierce Road  
Scituate, MA 02066

Mr. Cafferty,

Attached please find a quote specification page for a 2017 Dodge Ram 5500 Regular Cab Chassis 4X4 with a 6.7 Diesel Automatic Transmission in True Blue which is based on a factory order. Order to dealer delivery should be approximately 120 Days.

Plymouth County Bid Price: \$46,228.00  
JC Madigan 9 Foot Dump \$ 7,695.00 - Also see options listed for Dump Body - add as desired.

BID PRICE \$53,923.00  
Plus Reg Sticker & Delivery \$ 369.00 if desired.

\$54,292 Truck  
6,500 Plow

Should you need any further information, please let me know.

60,792

Sincerely,

x 1.05 Price Escalation

\$63,831

Deborah Emery  
Fleet Manager

Total Cost ~ \$65,000.00

Central Chrysler Jeep Dodge & Kia  
Providence Hwy - 70 Providence Hwy  
Norwood, MA 02062  
781-762-2200 - 781-762-8100



Central Chrysler Jeep Dodge & Mitsubishi  
191 US Route 44  
Raynham, MA 02767 ✓  
508-823-0101

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2016-08-23 9:46 AM  
 Estimated Ship Date:

VIN:  
 VON:

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYHAM (44796)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Vehicle:

2017 5500 REG CAB CHASSIS 4X4 (144.5 In WB - CA of 60 In) (DP0L63)

Model:	Sales Code	Description	MSRP(USD)
Package:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.5 In WB - CA of 60 In)	40,785
	29A	Customer Preferred Package 29A	0
	ETK	6.7L I6 Cummins Turbo Diesel Engine	7,400
Paint/Seat/Trim:	DF2	6-Spd Auto Aisin AS89RC HD Trans	1,600
	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	225
Options:	-XB	Black/Diesel Gray	0
	XXS	Upfilter Electronic Module (VSIM)	245
	LBN	Power Take Off Prep	295
	AMP	Chrome Appearance Group	165
	4DH	Prepaid Holdback	0
	LNJ	Fog Lamps	140
	4ES	Delivery Allowance Credit	0
	ADE	Cold Weather Group	125
	MAF	Fleet Purchase Incentive	0
	AJH	Power and Remote Entry Group	850
	MRT	Chrome Tubular Side Steps	350
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	MJB	Chrome Body Side Molding	100
	ACL	DOT Certified Roadside Safety Kit	150
	TBB	Full Size Spare Tire	350
	AHD	Heavy Duty Snow Plow Prep Group	250
	XHC	Trailer Brake Control	295
	5N8	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	132	Zone 32-New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid-Ineligible For Incentive	0
Bid Number:	TB7068	Government Incentives	0
Destination Fees:			1,195
<b>Total Price:</b>			<b>54,790</b>

Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the content listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.



J.C. MADIGAN INC.  
450 OLD UNION TURNPIKE  
LANCASTER, MA.

SALES DEPT.  
TEL.(978)847-2900  
FAX(978)847-0068

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CUYD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED ONE COLOR WITH THE  
FOLLOWING ITEMS.

- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINTLE ASSEMBLY ADD \$550.00
- 3) REAR CORNER POST RECESSED FLASHERS ADD \$600.00

APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

PO# \_\_\_\_\_



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/3/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-410-1	
Project Title:	Generator	
Category:	Electric/Emergency Management	
Department:	Facilities	Contact: Kevin Kelly

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ X ]    Recurring [ ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Install Emergency Generator for Town Library.

**Benefits of Project and Impact if Not Completed:**

Ability to keep library open during extended power outages. Life safety concerns, protect brand new investment by keeping systems running during adverse weather conditions. Provide another place of "Safe Harbor" as needed.

**Discuss Operating Budget Impact:**

Prevent flooding and freeze ups.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$180,000		\$180,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$10,000		\$10,000				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$190,000	\$0	\$190,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$190,000	\$0	\$190,000	\$0	\$0	\$0	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/9/16

Date of Last Edit:

Project Number:	2020-220-1		
Project Title:	New Ambulance		
Category:	Vehicle replacement		
Department:	Fire Dept.	Contact:	Chief John Murphy

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase 1 of 1

Description:

The request for this ambulance will replace the 3 Town ambulance, a 2003 Ford E-350 with 94,563 miles (11/16). This ambulance was shared by 3 towns, Scituate, Norwell, and Cohasset. The 3 Towns have agreed this will no longer be supported & Scituate has retained use of it as our back up ambulance due to our higher call demand.

Benefits of Project and Impact if Not Completed:

This ambulance has served us well but will be 16 years old in FY19 and is furnished with aging equipment. My recommendation is to replace our ambulances every 3 years which would give us 9 years service for the lifetime of each vehicle. This replacement cycle will meet the expected increase in demand to support our community. We currently run 2 full time during the day and will likely need 2 full time 24/7. I would like to run the 3rd ambulance as we have run rescue 2 in the past, by using on duty personnel and calling back to fill those vacancies when needed. We have been trading our 10 year old ambulances in with over 250,000 miles on them with much of the maintenance necessary after 180,000 miles. I believe it would provide the best EMS service with 3 reliable ambulances and cost effective purchasing them on a 3 year cycle.

Discuss Operating Budget Impact:

The budget impact would likely be reduced due to less maintenance cost of a 9 year life span and the mileage closer to 200,000 miles rather than 250,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$317,000			\$317,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$317,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$317,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$0	\$0	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				



MAPC PROPOSAL 10-29-2015

SCITUATE FIRE DEPARTMENT  
 Chief John Murphy  
 149 First Parish Road  
 Scituate, MA 02066  
 781-545-8749

SPECIALTY VEHICLES, INC.  
 Mark C. Hooper  
 58 George Leven Drive  
 North Attleboro, MA 02760  
 888-699-0616  
 508-699-0616  
 mhooper@svine.com

Exp. Date: 12/31/2015  
 Quote No: 10138-0001  
 BODY: SUPER D 171" SUPERLINER TYPE I-AD

PART NO	DESCRIPTION	QTY	EACH	EXTENDED
	<p>== 171" SUPERLINER TYPE I - 1.000 10/01/15 ==</p> <p><b>SHOP NOTE:</b>            THIS PROPOSAL BASED OFF CURRENT MAPC / FCAM STATE CONTRACT PRICING.</p> <p>QUOTE EXPIRES 12/31/2015.</p> <p>ESTIMATED PRICE INCREASE EFFECTIVE JANUARY 1, 2016 IS APPROXIMATELY 4%.</p> <p>PLEASE NOTE: THIS PROPOSAL IS BASED ON CURRENT STRETCHER RETENTION SYSTEM ALLOWED BY THE COMMONWEALTH FOR ANY / ALL ORDERS RECEIVED UNTIL JULY 1, 2016.            ORDERS RECEIVED AFTER JULY 1, 2016 MUST MEET FEDERAL COT RETENTION SYSTEM.</p> <p>STRYKER POWER LOAD: ADD \$24,700.00            STRYKER POWER-PRO COT: ESTIMATED \$16,000 - \$18000 PENDING OPTION CONTENT.</p> <p>DODGE RAM 5500 4X4 ILO PROPOSED FORD F550 4X4: ADD \$2,320.00 TO THE TOTAL PRICE AS PROPOSED. DODGE RAM LEAD TIME IS 30 WEEKS (MINIMUM).</p> <p>PRICE DOES NOT TRADE-IN ALLOWANCE.</p> <p>PRICE DOES NOT INCLUDE TWO-WAY RADIOS OR ANY OTHER COMMUNICATION EQUIPMENT.</p>	1	0.00	0.00
00-00-0500	<p><b>MASTER PARTS REVISION DATE (Start 10-01-15 to 01-06-16)</b>            LIFE LINE WARRANTY</p> <p><b>SHOP NOTE:</b>            Warranties Include:            Lifetime Modular Body Warranty.</p> <p>Lifetime Limited Cabinet Warranty.</p> <p>5-Year/60,000 Mile Product Conversion Warranty.</p> <p>10-Year/100,000 Mile Electrical Warranty Elite System. Includes 4 Years/100,000 Mile On Screens. "Lifetime" On All Harnesses Manufactured And Installed By Life Line.</p>	1	0.00	0.00

PART NO	DESCRIPTION	QTY	EACH	EXTENDED
	Install Roof Star Of Life Decal. Ship Remainder Of Decals Loose. (2) 4" Star Of Life Decals. (2) 12" Star Of Life Decals. (2) 18" Star Of Life Decals. (3) 6" AMBULANCE Decals. (1) 4" Reverse AMBULANCE Decal.  All Decals Installed With Lettering.			
90-01-1100	"NO SMOKING" - "FASTEN SEAT BELT" Decals <b>SHOP NOTE:</b> 1-Installed In The Cab. 1-Installed In The Module.	1	0.00	0.00
90-DL-0100	Real Gold, Inc. Vinyl Gold Leaf With Outline Shadow - Letter Graphics  <b>SHOP NOTE:</b> Specify Custom Option: Match Current Fleet Unless Otherwise Advised.	1	1500.00	1500.00
	<b>***END OF QUOTE/PRODUCTION ORDER***</b>  <b>SHOP NOTE:</b> ON BEHALF OF LIFE LINE EMERGENCY VEHICLES AND SPECIALTY VEHICLES, INC. WE APPRECIATE THIS OPPORTUNITY TO SUBMIT THIS PROPOSAL.  I LOOK FORWARD TO WORKING WITH THE SCITUATE FIRE DEPARTMENT ON THIS PROJECT.  WE FEEL CONFIDENT THAT WE CAN PROVIDE AN EMERGENCY MEDICAL VEHICLE THAT MEETS OR EXCEEDS YOUR EXPECTATIONS AND REQUIREMENTS.  IF YOU HAVE ANY FURTHER QUESTIONS PLEASE FEEL FREE TO CONTACT ME.	1	0.00	0.00
	<b>Total</b>			<b>252,609.00</b>





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-300-5		
Project Title:	School Technology		
Category:	Equipment		
Department:	School	Contact:	School Superintendent

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ x ]      Resubmission [ ]

                    Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

*Upgrade school technology to support educational curriculum.*

**Benefits of Project and Impact if Not Completed:**

*To maintain and enhance current technology options in school system.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$100,000				\$100,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-300---
Project Title:	Buses
Category:	Equipment
Department:	School
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring    [ x ]    Resubmission    [ ]

Multiyear    [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Capital Lease of 19 buses. We expect to pay \$ 12,000 per bus for a three year lease.

**Benefits of Project and Impact if Not Completed:**

*Safe enviroment for students riding, very little maintenance that is why we do three year.*

**Discuss Operating Budget Impact:**

SPS has taken this lease on for the last three years. This has always been a capital itme.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$1,140,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,140,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,140,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-300-4		
Project Title:	Resurface Asphalt Drives & Parking		
Category:	Construction		
Department:	School	Contact:	School Superintendent

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

The plan to resurface asphalt drives and parking lots is as follows; Hatherly, Cusing & Wampatuck. Estimates were previously provided by DPW. The Wampatuck project should be considered in conjunction with a traffic study to see if the front drive/bus loop needs to be extended.

Benefits of Project and Impact if Not Completed:

The parking lots and drives are seriously deteriorating and need immediate attention. With the new middle school project, the high school drive and lots will be resurfaced. Old Gates, though in need of attention, will be taken offline as a school and therefore the town will need to consider future rehabilitation of the parking areas. Jenkins is in fairly good shape, leaving only three other elementary schools in need of repair.

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$964,498	\$266,530	\$424,780	\$273,188		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/10/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-064-01		
Project Title:	Aeration Tank 2 Rehab		
Category:	Construction & Equipment		
Department:	Sewer Division	Contact:	Rick Mosca

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ X ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Aeration Tank 2 needs to be drained, cleaned, and condition of equipment to be evaluated for rehab.

Benefits of Project and Impact if Not Completed:

Tank should be drained and rehabed. Unit is not performing properly.

Discuss Operating Budget Impact:

Aeration equipment in need of repair/replacement. Energy consumption will go down, as blower motors will have less resistance against them.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$40,000			\$40,000		
Equipment/Furnishings	\$10,000			\$10,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other Sewer Stabilization

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**Aeration Tank #2 Cost Breakdown**

Parts : \$10,000

Contractors Labor : 10 days @ \$4,000 per day

Total cost = \$50,000



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-24-17 Date of Last Edit: 10-24-17

Project Number:	2020-422-03
Project Title:	I/I Reduction
Category:	Repair and Maintenance
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          Phase \_\_\_ of \_\_\_

**Description:**

*To provide financing for various projects to reduce inflow and infiltration in the collection system. It is a legal requirement that our department makes a continued effort and commitment to reduce I/I. The amount requested for FY 20 will be to replace and repair sections of the collection system identified in area 6-1*

**Benefits of Project and Impact if Not Completed:**

*Preserve and extend the life of our collection system, reduce operational costs to the pump stations and main facility, and allows for additional homes to be connected to sewer by preserving our outfall permitted flows limit. If I/I projects are not completed the capacity at the treatment plant will be limited by inflow and infiltration flows.*

**Discuss Operating Budget Impact:**

*Reducing inflow and infiltration will allow the department to waste less energy pumping and treating water that does not belong in the collection system. It will also allow increased capacity at the facilities which will lead to more properties being able to connect to the sewer system and support our budget through connection fees and quarterly service credits.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$55,000		\$55,000			
Land Acquisition	\$0					
Construction	\$4,145,000		\$4,145,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## I/I Programs Cost Summary

### Option 1 - Basin-by-Basin Approach

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

#### Notes

- Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
- I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
- High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
- Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
- Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
- Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
- High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.

# Town of Scituate Massachusetts

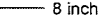
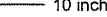
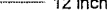
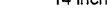



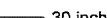
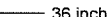
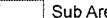

## Figure 1 Flow Meter Plan

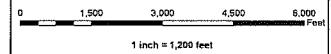
Updated:  
July 2016

### Legend

- Meter Station
- Rain Gauge
-  Wastewater Treatment Plant
-  Pumping Station
- Sewer Manhole
- ..... Force Main

### Sewer Main

-  8 inch
-  10 inch
-  12 inch
-  14 inch
-  15 inch
-  18 inch
-  24 inch
-  27 inch
-  30 inch
-  36 inch
-  Sub Area



**CDM  
Smith**





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11-10-16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-064-02		
Project Title:	Greenbush Sewer Line Project		
Category:	Study/ Design		
Department:	Sewer Division	Contact:	Rick Mosca

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multyear  Phase \_\_\_ of \_\_\_

Description:

Installation of large diameter sewer main to accomodate proposed new users in the Greenbush area.

Benefits of Project and Impact if Not Completed:

The current sewer infrastructure in the Greenbush area is nearing capacity. There are a large volume of potential new users who would like to connect to the system. A new line dedicated to the area would allow for the additional flows and act as a dedicated conduit to the Herring Brook Pump Station.

Discuss Operating Budget Impact:

A new dedicated line supporting additional flows for the proposed Greenbush projects would bring in significant revenue for the Town.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$300,000			\$300,000			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$300,000	\$0	\$0	\$300,000	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other Sewer Stabilization

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$300,000	\$0	\$0	\$300,000	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**Country Way**  
**Sewer Improvement**  
**Construction Estimate**  
**November 3, 2016**

Item #	Location	Unit Cost	Unit Type	Area (sf)	Area (sy)	h (in)	Qty.	Item Cost
1	Mobilize	\$20,000.00	LS				1	\$20,000.00
2	12" PVC Gravity Sewer	\$100.00	LF				1,500	\$150,000.00
3	Precast Manhole	\$3,000.00	Ea				8	\$24,000.00
4	12x6 Wye	\$100.00	Ea				15	\$1,500.00
5	Temporary Pavement (4")	\$15.00	LF				1,000	\$15,000.00
6	Final Pavement 2"	\$120.00	Ton	5,000	556	2.0	63	\$7,606.08
7	Erosion Control	\$5.00	LF				500	\$2,500.00
8	Crushed Stone	\$15.00	CY				200	\$3,000.00
9	Loam & Seed	\$50.00	CY				50	\$2,500.00
10	Tree Clearing	\$1,500.00	Ea				8	\$12,000.00
11	Construction Inspection	\$120.00	Hr				120	\$14,400.00
12	Police Detail	\$112.00	Hr				120	\$13,440.00
Sub-total								\$265,946.08
10% Contingency								\$26,595
<b>Total Construction</b>								<b>\$292,540.69</b>





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit: 10/23

Project Number:	2020-422-03
Project Title:	Structural Repairs
Category:	Repair and Maintenance
Department: Sewer	Contact: William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

*This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater facility assessment. We assume that most of these repairs will be focused on aeration tank and digester walls, floors, and catwalks/walkways. This project will also include concrete crack repairs and leak sealing throughout the facility.*

Benefits of Project and Impact if Not Completed:

*This project will allow the department to maintain its aging concrete structures and to complete repairs prior to a serious failure. It is much more cost effective to repair existing structures than it will be to replace them once they fail.*

Discuss Operating Budget Impact:

*This structural repair project will save the department money in the long run by addressing issues with aging structures while they are still developing and easy to address. Early investment in the maintenance of these structures will save the department from emergency repairs down the road.*

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$250,000		\$250,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$250,000	\$0	\$250,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$250,000	\$0	\$250,000	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

## Preliminary Capital Budget Scituate Wastewater Department

**To:** William Branton, Chief Operator  
**FROM:** Ian Mead, P.E.  
Ian Catlow, P.E.  
**COPY:** Mike Schrader, P.E.  
**DATE:** October 20, 2017

---

Based on our recent discussions, Tighe & Bond understands that you are in the process of identifying capital projects to maintain the current level of service at the Town's wastewater treatment facility. We have summarized the five projects that we recently discussed with you along with their anticipated budgets below. Projects are not presented in any particular order of priority; however, it is important to note that many of the upgrade projects outlined below will be better defined through the Wastewater Facility Assessment described in the first project.

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

1. Screenings & Grit Removal - Identify problems with current screening and grit removal systems and recommend upgrades to address deficiencies.
2. Influent Pump Performance - Identify issues limiting pump capacity and recommend changes needed. In addition, assess pump vulnerability to emergency flooding conditions.
3. Structural and Architectural Systems - Assess the condition of the concrete structures at the facility and recommend repair and maintenance tasks to prevent wear and tear and reduce long term repair costs where needed. Assessments are likely to focus on older structures such as the aeration tanks, aerobic digesters, and the catwalks/walkways in these tanks.
4. Preventive Maintenance and Modernization - Identify and prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.
5. Code Update - Identify code compliance issues associated with the classification of spaces, egress requirements, HVAC, life safety equipment, and electrical systems.

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

Draft Scope of Work: This project would include the replacement of the existing influent screen, the addition of a new screenings wash press to clean and transport screenings out of the existing screen room, and the replacement of existing flow control gates. Associated electrical and HVAC systems within the screening room would also be upgraded as part of the project. Grit removal upgrades were assumed to include replacement of aeration headers, piping, blowers and improved grit removal system.

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

Draft Scope of Work: This project would include the upgrade of the existing influent pumping system to address capacity issues and improve system resiliency. We have

assumed that all four existing influent pumps would be replaced along with their associated valves, fittings, electrical systems and influent flow metering systems.

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

Draft Scope of Work: This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater Facility Assessment. For planning purposes, we have assumed that the majority of these repairs will be focused on aeration tank and aerobic digester tanks and catwalks/walkways. Additional work may include concrete crack repairs and leak sealing throughout the facility.

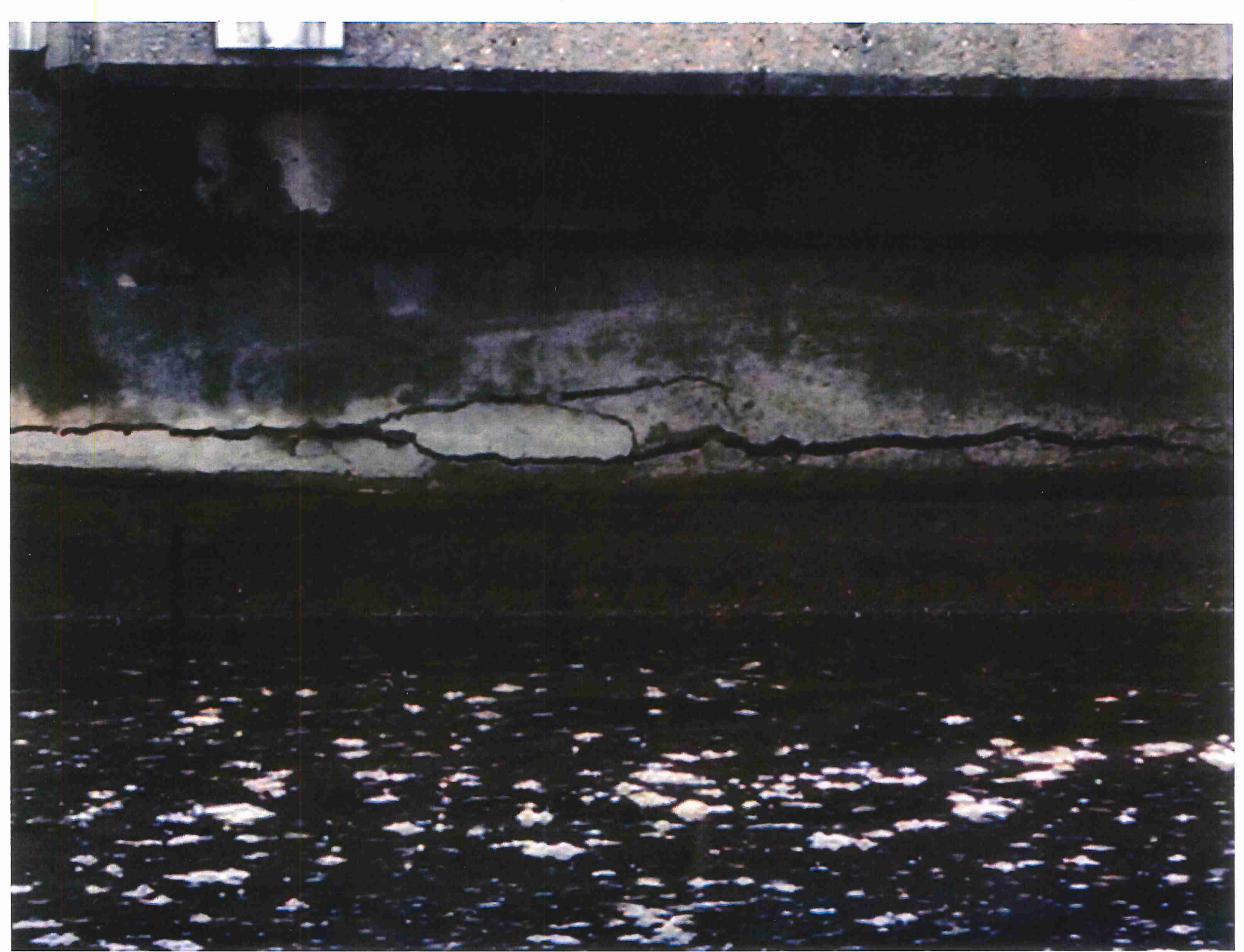
**Project 5: Vactor Tipping Pad Upgrade**

Budget: \$560,000

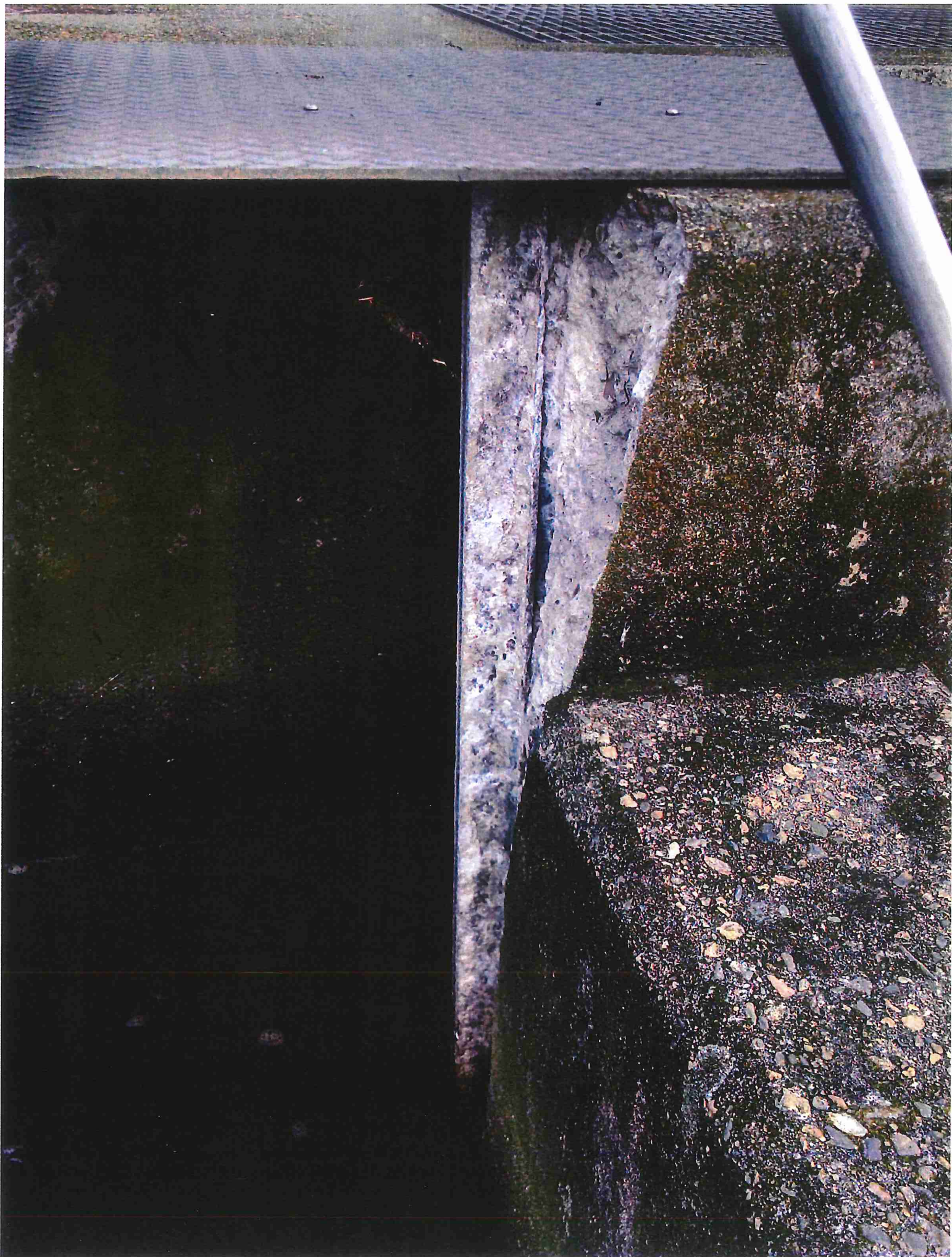
Draft Scope of Work: This project would include the design and construction of a new vactor tipping pad within a portion of the footprint of the effluent lined emergency storage lagoon. A pump station to return liquid discharged by the vactor to the head of the plant would also be included in the project with flexibility to aid in draining the emergency storage lagoon, as needed.

We ask that you review the outlines presented above and contact us to adjust project scopes and budgets as needed. Ian Mead can be reached at 508-471-9643 and Ian Catlow can be reached at 508-471-9605.

J:\S\55001 Scituate DPW\Proposals\Preliminary Capital Budget 101917.docx









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/11/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-433-01		
Project Title:	Powerwash & Paint Metal Space Buildings		
Department:	Transfer Station	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]       Recurring [ ]          Resubmission [ x ]

                  Multiyear [ ]       Phase \_\_\_ of \_\_\_

**Description:**

Powerwash, paint and small metal repair to the buildings located at the Transfer Station. The 2 large metal space buildings located onsite were constructed in 2000 and house the major operations of the solid waste and recycling.

**Benefits of Project and Impact if Not Completed:**

Maintain the interior and exterior of the facility buildings onsite inside and out. Maintain structural integrity of the buildings and improve the appearance of the facility.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input type="checkbox"/> Capital Stabilization	
Construction	\$0						<input type="checkbox"/> Free Cash	
Equipment/Furnishings	\$45,000			\$45,000			<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other _____	
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**Sand Blast Power Wash Interior Buildings at the Transfer Station**  
**Construction Estimate**

Item #	Description	Unit Cost	Unit Type	Qty.	Item Cost
1	Mobilization	1	LS	5,000	\$5,000.00
2	Power Wash Interior Buildings	\$65.00	HR	64	\$4,160.00
3	Cleaning Supplies	1	LS	5,000	\$5,000.00
4	Sand Blaster	\$65.00	HR	40	\$2,600.00
	Sand Blast Laborer	\$55.00	HR	40	\$2,200.00
2	Painter	\$65.00	HR	40	\$2,600.00
	Painter	\$55.00	HR	40	\$2,200.00
3	Paint & Supplies	\$15,000.00	LS	1	\$15,000.00
4	Cleanup & Disposal	\$3,000.00	EA	1	\$2,000.00
Subtotal:					\$40,760.00
Contingency:					\$4,076.00
<b>Total:</b>					<b>\$44,836.00</b>





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-450-3		
Project Title:	Replace Water Mains or Clean & Line		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ X ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Proactively clean and line or replace the oldest and/or most problematic water mains in town. New Ductile Iron water mains have an expected useful life of 75+ years. With approximately 115 miles of water main in the ground replacing just one mile per year will take 115 years to replace entire system.

Benefits of Project and Impact if Not Completed:

Replacing smaller quantities of water main each year can avoid costly larger projects and the disruptions they can cause. This will improve water quality and reduce the number of leaks resulting in cost savings to the town. Replacing smaller diameter water mains with larger ones also increases fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$1,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$5,000,000	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$5,000,000	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-450-4		
Project Title:	10 Year Meter Replacement Program		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New [ ]	Recurring [ X ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

Description:

Ten year meter replacement program is to replace old and damaged meters that are not capturing all water usage. Replacements are e-coder (transmitter) radio read meters. They are more accurate and store 99 days of water usage history. This is helpful in diagnosing high water bill complaints.

Benefits of Project and Impact if Not Completed:

Replacement of the old water meters with intergrated e-coder meters benefits the consumer as well as the town. The new meters are more accurate, do not require a touch pad on the outside of the home, can store past usage data, and are less labor intensive. The e-coders drastically reduce time spent installing as well as reading meters.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$175,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000

- CPA Purpose(s)  
Check all that apply
- Open Space
- Recreation
- Historical
- Housing

Operating Budget Impact						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: \_\_\_\_\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2020-450-1	
Project Title:	Repairs to Treatment Plant	
Category:		
Department:	Water/Facilities	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission X

                         Multiyear [ ]      Phase \_\_\_ of \_\_\_

Description:

Replace the 29+ year old roof on the Old Oaken Bucket Treatment Plant. Water is leaking through the roof into several areas in the treatment plant. The project is to be managed by the Facilities Director.

Benefits of Project and Impact if Not Completed:

Water leaking through the roof poses a serious threat to electrical equipment and safe operation of the treatment plant (slips and falls, electrical shock).

Discuss Operating Budget Impact:

The operating budget impact of a new roof would be \$67,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$67,000		\$67,000				<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$67,000</b>	<b>\$0</b>	<b>\$67,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$67,000</b>	<b>\$0</b>	<b>\$67,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

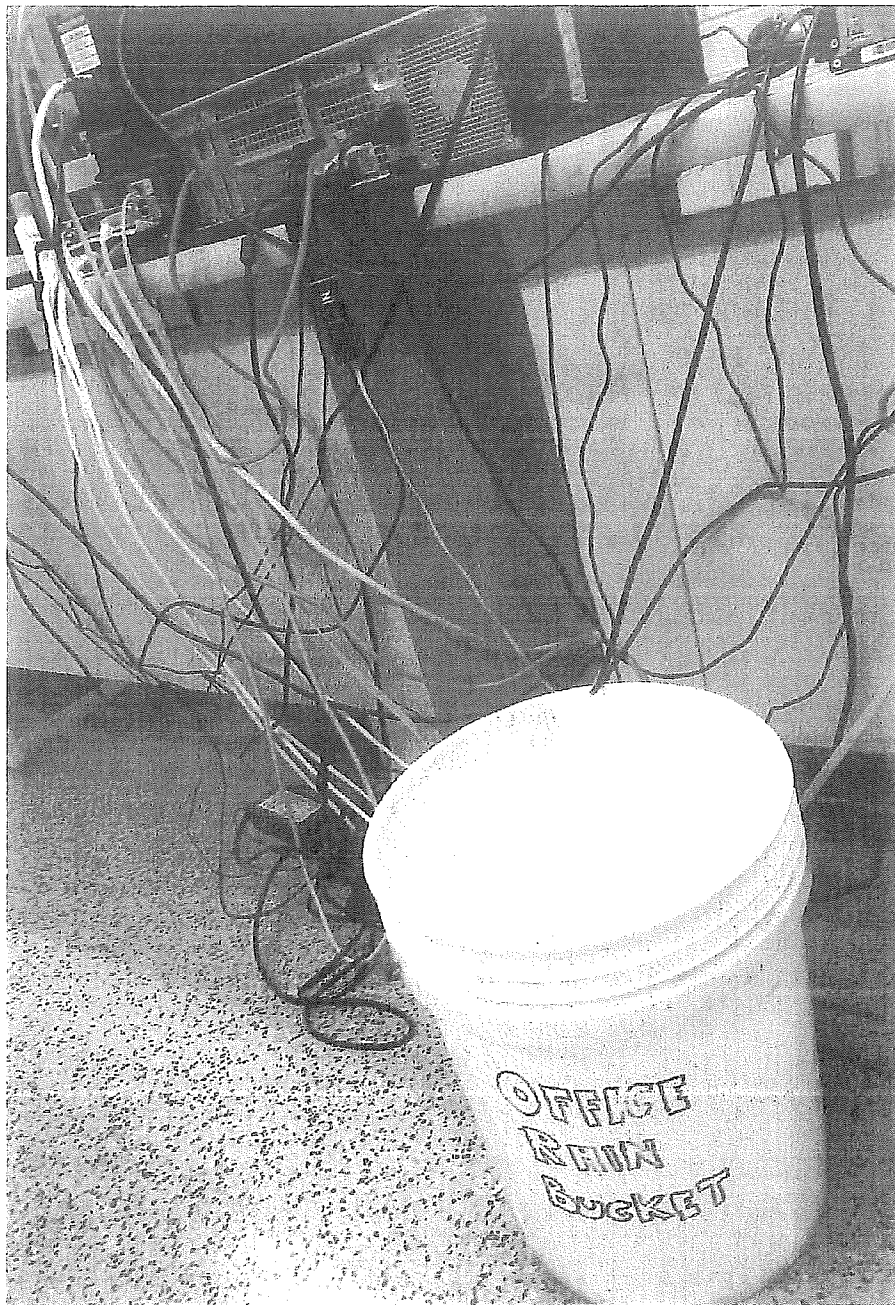
Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					




## Flat Roof Calculator

Got a leaking flat roof, and need to know its replacement cost? Flat roofs cost anywhere from \$5-10 per square foot. Its important to note that flat roofing is a highly specialized field. Knowledge, training and tools required in this field are different than those in sloped roofing. This means that if you want your flat roof to be properly installed or repaired, it is essential to hire a contractor with experience in this field. A general roofing contractor will not be able to do a good job, and your roof is highly likely to leak.

Roof Size:	<input type="text" value="60"/> x <input type="text" value="150"/> ft.
Curbs (Skylights / Chimneys / Hatches)	<input type="text" value="5"/> #
Parapets + Metal Cap length:	<input type="text" value="0"/> in. ft.
Insulation:	<input (2-r)"="" fanfold="" insulation="" type="text" value="1/2"/>
Roof Pitch:	<input type="text" value="Flat (0)"/>
Old Roof Removal:	<input type="text" value="YES - 1 layer"/>
Job Complexity:	<input type="text" value="Medium difficulty"/>
Roofing material:	<input type="text" value="EPDM (Black Rubber)"/>
Region (US Only):	<input type="text" value="New England"/>

Calculate

Low End	Mid Range	High End
\$52997	\$62350	\$77937

 See costs in your area  
Start Here - Enter Your Zip Code



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-9-16

Date of Last Edit: 10-12-17\_

Project Number:	FY 2020-298-01		
Project Title:	Replacement of Docks and Electrical on docks Cole Parkway Marina		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: NEW  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

**Description:**

The request is for the replacement of Docks , Power Pedestals and Wiring At Cole Parkway Marina The docks of been in service for quite some time and are showing their age, there is rot in the wood and the years of pulling them in and out of the water have affected their integrity. It would make sense for us to replace the floats now and try to sell off the docks to a private marina or to another municipality while they are still in somewhat saleable condition. This way we could capture the funds from the sale of the docks and put it back into the enterprise fund. Also replace the wiring on the docks along with the pedestals

**Benefits of Project and Impact if Not Completed:**

The replacement docks would be made of a composite decking material which would hold up better and last longer than the existing all wood docks, the existing docks have wood rot in different areas and are in need of attention, Also the wood decking is splitting from the years of abuse, The decking is extremely costly to replace. The wiring is getting beat up and showing it's age . The pedestals have been damaged over the years are in tough shape and in need of replacement.

**Discuss Operating Budget Impact:**

There will be costs incurred which will impact the budget, maintaining and replacing rotted boards and decking on the existing floats, also as the decks get older they would be much more difficult to sell and less valuable to other marinas. increased cost due to condition and repairs to the electrical system.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$1,000,000		\$250,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



November 10, 2016

Cole Parkway Marina  
Town of Scituate  
Scituate, MA

### BUDGET ESTIMATE

*System Type: Heavy duty Sullfloat system- with 2" x 6" Moisture Shield Composite Decking*

#### Main Walkways:

- (6) 16' x 20' Hinged sections
- (8) 7' x 22' Hinged sections
- (50) 7' x 20' Hinged sections

#### Fingers

- (4) 3' x 20' with C-Channel tracks
- (97) 2' x 20' with C-Channel tracks

Total for docks delivered, off-loaded and installed by others \$574,046.00

#### Options:

1. Engineered stamped drawings: \$5,000.00 for docks. \$5,000.00 for gangway.
2. (1) 5' x 80' ADA aluminum gangway \$44,608.00 delivered

*Note: All above pricing does not include any applicable state or local tax.*





**MEECO  
SULLIVAN**  
THE MARINA COMPANY

PRICE INCLUDES:

- Freight to site, purchaser provides off-loading
- All docks delivered complete and ready for installation
- Vinyl dock bumper - white/black
- 12" Galvanized mooring cleats and attachment hardware ( ) per boat
- Chain and roller/plate and eyebolt type pile guides
- 3/4" x 6" Eyebolts for anchoring
- Utility access panels- full width - 12' on center
- High impact resistant polyethylene floats with foam core - 12" in height
- .60 CCA pressure treatment in wood framing
- Stainless steel deck screws, #10 x 3"
- 2" x 6" Moisture shield composite decking
- Recycled grey plastic decking
- Mechanically laminated side beams
- Anti-torsion truss system throughout

Payment Schedule

Town Purchase Order with total due 30 days after delivery

Respectfully Submitted by:  
Meeco Sullivan, LLC.

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Robert Sullivan  
Vice President

Matt Beechinor  
Sales Representative

Town of Scituate  
Capital Plan  
Criteria Points-Summary  
Sorted by Year, Fund & Department

12/17/2017; 1:08 PM

Total	Project	Department	Year	Fund	Request	Est. Cost Total	CRITERIA					SCORE					Comment		
							A	B	C	D	E	F	A	B	C	D		E	F
49	Minot Beach Parking Lot	Recreation/DPW	2021	BCH	\$ 247,192	\$ 247,192	5	2	2	3	0	3	20	8	6	9	0	6	Beach Revolving Fund
43	MS4 Compliance	DPW - Engineering	2021	GF	\$ 50,000	\$ 50,000	1	4	1	2	4	3	4	16	3	6	8	6	
50	Foreshore Protection	DPW - Foreshore Protection	2021	GF	\$ 200,000	\$ 200,000	1	2	5	3	4	3	4	8	15	9	8	6	
53	Vermeer Stump Grinder	DPW - Grounds	2021	GF	\$ 40,000	\$ 40,000	3	2	2	3	4	5	12	8	6	9	8	10	
30	Replace 1985 Tractor JD950	DPW - Grounds	2021	GF	\$ 60,000	\$ 60,000	1	2	1	3	0	3	4	8	3	9	0	6	
66	Road & Sidewalk Improvements	DPW - Highway	2021	GF	\$ 200,000	\$ 200,000	3	2	5	5	4	4	12	8	15	15	8	8	
33	Roof for Salt Shed	DPW - Highway	2021	GF	\$ 40,000	\$ 40,000	1	0	2	3	2	5	4	0	6	9	4	10	
6	Locker Room/Showers Highway Barn	DPW - Highway/Facilities	2021	GF	\$ 60,000	\$ 60,000	1	0	0	0	0	1	4	0	0	0	0	2	
46	Electrical Distibution - Town Hall	Facilities	2021	GF	\$ 100,000	\$ 100,000	1	2	4	4	2	3	4	8	12	12	4	6	
41	New ADA Access - Town Hall	Facilities	2021	GF	\$ 210,000	\$ 210,000	1	2	4	3	1	3	4	8	12	9	2	6	
15	Replace forest truck/storm vehicle	Fire	2021	GF	\$ 76,345	\$ 76,345	1	0	1	2	0	1	4	0	3	6	0	2	
32	Replace overhead doors Stations 1 & 4	Fire	2021	GF	\$ 36,000	\$ 36,000	1	3	1	3	1	1	4	12	3	9	2	2	
21	Replace 2010 Command Vehicle	Fire	2021	GF	\$ 50,000	\$ 50,000	1	2	0	1	0	3	4	8	0	3	0	6	
45	School Technology	School	2021	GF	\$ 100,000	\$ 500,000	1	2	2	3	4	5	4	8	6	9	8	10	
41	Boys & Girls Locker Room High School-Constn	School	2021	GF	\$ 500,000	\$ 500,000	1	2	2	3	4	3	4	8	6	9	8	6	
39	Capital Lease of School Buses Buyout	School	2021	GF	\$ 228,000	ongoing	1	2	3	4	0	3	4	8	9	12	0	6	
35	Window Replacement Hatherly & Cushing	School	2021	GF	\$ 1,200,000	\$ 1,200,000	1	2	4	3	0	1	4	8	12	9	0	2	
30	Resurface Asphalt Drives & Parking-H,C,W	School	2021	GF	\$ 424,780	\$ 424,780	1	2	1	3	0	3	4	8	3	9	0	6	
71	Infiltration/Inflow	Sewer	2021	S	\$ 2,800,000	\$ 10,900,000	5	4	4	3	4	3	20	16	12	9	8	6	
47	Influent Grit Removal	Sewer	2021	S	\$ 2,020,000	\$ 2,020,000	5	3	2	1	0	3	20	12	6	3	0	6	
45	Rehabilitation of Septage Receiving Building Equipment	Sewer	2021	S	\$ 66,100	\$ 66,100	5	3	2	1	0	2	20	12	6	3	0	4	
58	Replace 1983 Tractor Yard Jockey	Transfer Station	2021	TS	\$ 65,000	\$ 65,000	5	2	4	4	0	3	20	8	12	12	0	6	
54	Replace 2010 Front End Loader	Transfer Station	2021	TS	\$ 170,000	\$ 170,000	5	2	2	4	0	4	20	8	6	12	0	8	
71	Clean & Line Water Mains	Water	2021	W	\$ 1,000,000	ongoing	5	3	4	3	4	5	20	12	12	9	8	10	
67	Redevelopment of 2 Public Wells	Water	2021	W	\$ 50,000	\$ 100,000	5	3	4	3	2	5	20	12	12	9	4	10	
54	10 Yr Meter replacement cycle program	Water	2021	W	\$ 175,000	\$ 175,000	5	2	1	3	4	3	20	8	3	9	8	6	
52	Replace #35 2008 Chevy Silverado Pick-up w/ plow	Water	2021	W	\$ 53,000	\$ 53,000	5	0	4	4	0	4	20	0	12	12	0	8	
30	Replace #38 2008 Chevy Colorado Pick-up w/plow	Water	2021	W	\$ 53,000	\$ 53,000	5	0	1	1	0	2	20	0	3	3	0	4	
69	Mooring Field Regrid	Waterways	2021	WW	\$ 45,000	\$ 45,000	5	3	4	5	0	5	20	12	12	15	0	10	
65	Replacement of Docks & Gangways Cole Pkwy Marina	Waterways	2021	WW	\$ 250,000	\$ 250,000	5	3	4	3	3	3	20	12	12	9	6	6	
62	Replacement of Pump-Out Boat	Waterways	2021	WW	\$ 74,811	\$ 74,811	5	3	4	4	0	3	20	12	12	12	0	6	
50	Driftway Boat Landing	Waterways	2021	WW	\$ 100,000	\$ 100,000	5	2	1	3	0	5	20	8	3	9	0	10	
59	Replace Zoll monitor	Fire	2021	GF	\$ 50,000	\$ 50,000	3	2	4	3	4	5	12	8	12	9	8	10	
<b>Total FY21</b>					<b>\$ 10,794,228</b>	<b>\$ -</b>													



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 10/31/16

Date of Last Edit:

Project Number:	
Project Title: Minot Beach Parkin	
Category:	
Department: Recreation / DPW	Contact: mglancy@scituatema.gov

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ x ]      Recurring [ ]      Resubmission [ ]

Phase \_\_\_ of \_\_\_

**Description:**

*The Minot Beach Parking Lot has been designed by the Engineering Department to improve the drainage issues. The drainage problems have come up in the past and need to be fixed. See attached after a long rainy spell.  
The location of the Port-a-potty for the beach has been placed in the parking lot and with the past rainy spells it has been submerged under water. Fixing the drainage would help with this matter.*

**Benefits of Project and Impact if Not Completed:**

*With fixing the drainage problems in the parking lot, it would be re-striped to most likely pick up more parking for the public beach. Also address any traffic problems in the area.  
Consulting with other departments such as the Coastal Resource Officer, Planning Department and Conservation are necessary for this project to be successful.*

**Discuss Operating Budget Impact:**

*The parking lot is well used in the summer months. with the increase in parking spaces, the parking sticker participants would have more places for vehicles. After a heavy rain the parking lot would not flood and stay open once the weather has cleared.  
The Scituate Engineering Department provided the Parking Lot Construction Estimates for this project, see attached.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$247,192				\$247,192	
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$247,192</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$247,192</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_ Beach Rev.

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$247,192</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$247,192</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

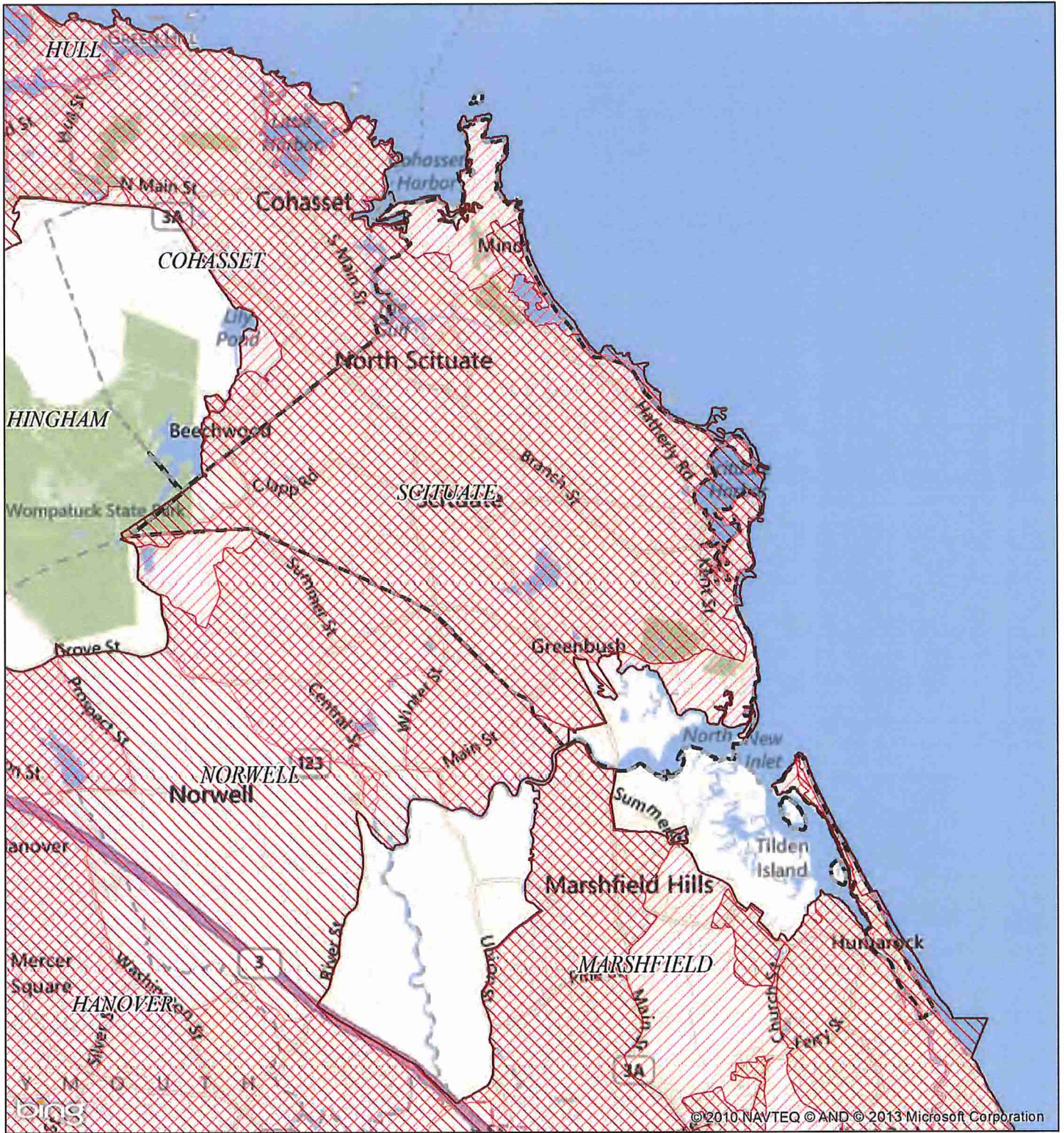
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

**Minot Beach**  
**Public Parking Lot**  
**Construction Estimate**  
**October 31, 2016**

Item #	Location	Unit Cost	Unit Type	Area (sf)	Area (sy)	Depth (in)	Qty.	Item Cost
1	Mobilize	1	LS				1	\$8,000.00
2	Erosion Control	\$6.00	LF				550	\$3,300.00
3	Demolition	1	LS				1	\$3,500.00
4	Slope Repair	1	LS				1	\$12,000.00
5	Drainage swale and 8" Culvert	1	LS				1	\$10,000.00
6	Furnish & Install Oil/Sediment Separator	\$12,000.00	EA				2	\$24,000.00
7	Pulverize	\$5.00	SY				1,540	\$7,700.00
8	12"rcp & Rip Rap	\$2,000.00	EA				2	\$4,000.00
9	Excavation for Subbase Unpaved Areas	\$18.00	CY				260	\$4,680.00
10	Furnish & Install Gravel for Pavement	\$45.00	Ton				532	\$23,940.00
11	Furnish & Install 2" Binder	\$120.00	Ton				325	\$39,000.00
12	Furnish & Install Straight Granite Curbing	\$60.00	LF				505	\$30,300.00
13	Furnish & Install Curved Granite Curbing	\$75.00	LF				70	\$5,250.00
14	Furnish & Install 2" Wearing Course	\$120.00	Ton				325	\$39,000.00
15	Loam & Seeding	\$45.00	CY				90	\$4,050.00
16	Pavement Markings	1	LS				1	\$3,000.00
17	Construction Oversight	\$100.00	Hr				80	\$3,000.00
							Subtotal	\$224,720.00
							10% Contingency	\$22,472

<b>Total Construction</b>	<b>\$247,192.00</b>
---------------------------	---------------------

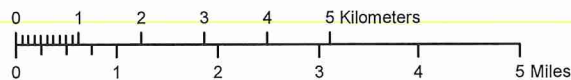




NPDES Phase II Stormwater Program  
Automatically Designated MS4 Areas  
**Scituate MA**

Town Population: **17654**  
Regulated Population: **17353**  
(Populations estimated from 2010 Census)

**Regulated Area:**



Urbanized Areas, Town Boundaries:  
US Census (2000, 2010)  
Base map © 2013 Microsoft Corporation  
and its data suppliers



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-411-1		
Project Title:	Foreshore Protection		
Category:	Construction & Study/Design		
Department:	DPW	Contact:	Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for foreshore protection projects including repairs to seawalls, design of new foreshore projects and town share match for foreshore grants.*

**Benefits of Project and Impact if Not Completed:**

*To have available funds to make repairs, move forward with studies and perform engineering and design on new projects.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$100,000			\$100,000		
Land Acquisition	\$0					
Construction	\$100,000			\$100,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/24/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-429-1	
Project Title:	Replace JD950 Tractor	
Category:	Equipment	
Department:	DPW-Grounds	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring     Resubmission

                  Multiyear     Phase \_\_\_ of \_\_\_

**Description:**

*Replacement of tractor.*

**Benefits of Project and Impact if Not Completed:**

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$60,000			\$60,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/10/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-422-01	
Project Title:	Roads and Sidewalk Improvements	
Category:	Construction	
Department:	Highway	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ X ]      Resubmission [ ]

                    Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Funds are used to supplement Chapter 90 state funds to make improvements to the roadways and sidewalks.

**Benefits of Project and Impact if Not Completed:**

The Town is benefitted by the additional funds because we can do more paving and make accessibility improvements. These funds are used in conjunction with the water project to repair the roads (fullwidth) and replace sidewalks where they are in dire need.

These funds can also be used to make handicap accessibility improvements.

**Discuss Operating Budget Impact:**

The request is for \$200,000 to the 2022 capital project.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$200,000				\$200,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-422-01		
Project Title:	Roof for Salt Shed		
Category:	Equipment		
Department:	DPW Highway	Contact:	Mike Breen/Kevin Cafferty

Department Priority:

- Urgent/Legally Required  
 Maintain Service  
 Enhancement

Project Is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	__	of	__

Description:

New vinyl roof for salt shed.

Benefits of Project and Impact if Not Completed:

Current shed holds approximately 2,500 tons of salt for roadway maintenance during winter storms.

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$40,000			\$40,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s) Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

<b>Capital Improvement Program: FY2019 - FY2023</b>			Date submitted: <u>10/18/17</u>	Date of Last Edit:
Project Number:	2021-410-01			
Project Title:	Town Hall Electrical Distribution			
Category:	Construction			
Department:	Facilities	Contact:	Kevin Kelly	
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>	
	Multiyear <input type="checkbox"/>	Phase <u>  </u> of <u>  </u>		

<b>Department Priority:</b>	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

**Description:**  
Update existing electrical and lighting systems.

**Benefits of Project and Impact if Not Completed:**  
The existing electrical system is original and does not meet the current needs of computers and other electronic devices resulting in many cords being run; creating unsafe conditions. Furthermore, some of the lighting is inadequate and could use overall improvement as well as improvement for use.

**Discuss Operating Budget Impact:**

Recommended Financing							Funding Source(s) Check all that apply	
Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
		FY2019	FY2020	FY2021	FY2022	FY2023		
Study/Design	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Free Cash	
Construction	\$100,000			\$100,000			<input type="checkbox"/> Revolving Fund	
Equipment/Furnishings	\$0						<input type="checkbox"/> CPA	
Contingency	\$0						<input type="checkbox"/> Grant(s) or Other	
Other	\$0							
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>		

CPA Purpose(s) Check all that apply						
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>

Operating Budget Impact						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11/9/16

Date of Last Edit:

Project Number:	2019-220-3		
Project Title:	Replace 1995 Forest truck and 1985 Squad hazmat vehicle		
Category:	Vehicle replacement		
Department:	Fire Dept.	Contact:	Chief John Murphy

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project Is: New  Recurring  X Resubmission

Multiyear  Phase 1 of 1

Description:

*This vehicle purchase will replace the function of two fire department vehicles. It will replace a 1995 Dodge Ram forest truck with 46,375 miles and a Squad pumper that was traded in for our new Ladder truck in December of 2014. The squad was set up as our hazmat response vehicle and we no longer have a hazmat response vehicle. We currently store most of our hazmat equipment at station 1 and will*

Benefits of Project and Impact if Not Completed:

*The Squad was set up as our hazmat response vehicle and we no longer have initial hazmat response capability. We currently store our hazmat equipment at Station 1 and will pack it on our dive truck for an emergency response. Having this combination vehicle will improve our service with an initial hazmat response vehicle and improve our forest fire response with a more dependable vehicle. This vehicle should support the fire department for 15 to 20 years.*

Discuss Operating Budget Impact:

*This new vehicle will reduce the long term maintenance of a forest truck that will be 23 years old in FY19 and a vehicle that has been retired for 3 years.*

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$75,000		\$75,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$0	\$0	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



November 30, 2013

Scituate Fire  
Attn : Eric Norlan

781.831.0512 ph  
fax  
enorlan@scituatefire.org email

Please find below a quote for (1) 2014 Ford F350 Utility Body SRW 4WD per the Plymouth County Commissioner's Procurement Contract # PCC-121314. M.G.L. c.30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c.30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c.30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c. 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c. 30B.

Item#	Description	Price	Notes
12-16/H1.04C	2014 Ford F350 4x4 pickup per contract spec	\$25,890.00	
1.14d	Extended Cab for 10,400 # GVWR Truck	\$3,457.00	
	Color : (F1) Vermillion Red	Included	
1.09	6.7L V8 Diesel Engine	\$7,495.00	
	6 speed automatic transmission	Included	
	Snow plow prep package	Included	
	Air conditioning	Included	
	AM/FM stereo w/Digital Clock	Included	
	40/20/40 Vinyl split bench seat	Included	
	Class III/IV 2" receiver hitch	\$125.00	
1.01A	All terrian tires - SRW	\$185.00	
1.16	Electronic Shift 4WD	\$370.00	
1.28	Factory Cab Steps	\$895.00	
1.17	Power Windows, Mirrors (heated), & Locks	\$6,595.00	F1
5.01	96" steel utility body - Omaha Standard Body	\$1,295.00	F1
5.04	2 Stage (Base + Clear) Paint for Service Body	\$790.00	
L2.08	RhinoLiner - Spray On Bed Liner (bed & compartment tops)	\$330.00	
2.51 (2)	LED Flood Lights on sides of rear hitch	\$175.00	
10.15	7 way RV Blade Style trailer plug	\$88.00	
2.17	Back Up Alarm	\$50.00	
C2.07	Whelen UHF2150A Wig-Wag Headlight Flasher	\$2,085.00	red
C1.09	Whelen LFL Liberty LED Lightbar (14 module) with TDs/Alleys with CenCom Siren/Switch Contoller	\$180.00	
C8.07	Whelen SA315P Composite Siren Speaker		

\*\*\* Continued On Page 2 \*\*\*

401 Elm Street Marlborough, MA 01752  
Phone: 508-573-2625 Fax: 508-573-2725  
sdaoust@mhd.com

Scituate Fire F350 Ext. Cab Service Body 11.30.13 PCC



GSA

CUSTOM EMERGENCY EQUIPMENT • [www.rkoenterprises.com](http://www.rkoenterprises.com)  
2850 Chilly Drive, Madison, IN 47250 • 812-273-8813, Fax 812-273-5145

**RKO**  
ENTERPRISES



*This picture has a custom control panel not included in quote*

**RKO 200 WATER ONLY TRUCK SKID - SLIP ON UNIT**

**END MOUNT**

Prepared For:  
Scituate Fire Department  
149 First Parish Road  
Scituate, MA 02066  
Attn: Eric Norlin  
Ph# 781-545-8748  
Email: [enorlin@scituatefire.org](mailto:enorlin@scituatefire.org)

02 December 2013  
Quote# 13-394

- 200 GALLON COPOLY TANK (WATER ONLY) WITH LIFETIME WARRANTY-FULLY BAFLED NFPA TANK
- DARLEY 1.5AGE 21H PUMP SYSTEM COUPLED TO 21 HP HONDA ELECTRIC START ENGINE WITH BUILT IN CONTROL PANEL- EASY OIL CHANGE PUMP PERFORMANCE 120GPM@155PSI/75GPM@230PSI/35GPM@300PSI
- RKO HEAVY DUTY AIRCRAFT/ MARINE GRADE ALUMINUM SKID PLATFORM WITH BRIGHT ALUMINUM TREADPLATE 3" HIGH
- RKO STAINLESS STEEL PIPING WITH LIFETIME WARRANTY
- RKO STAINLESS STEEL 3 PIECE FIRE SERVICE VALVES
- HANNAY ELECTRIC REWIND HOSE REEL WITH FN3 CHROME ROLLERS ON EACH SIDE, 150 FEET OF GOODYEAR 1" 800 PSI RED BOOSTER HOSE AND (3) HOSE REEL ACTIVATION CARLING SWITCHES
- TWISTER 10 GPM/24 GPM FORESTRY NOZZLE
- GROTE BRIGHTLITE WORKLIGHT
- BASE COAT CLEAR COAT AUTOMOTIVE PAINT ON PIPING AND HOSE REEL - YOUR COLOR CHOICE



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/9/16

Date of Last Edit:

Project Number:	<u>2019-220-4</u>		
Station overhead door replacement Station 1 & 4			
Category:	<u>Equipment</u>		
Fire	Chief John Murphy		
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase <u>  </u> of <u>  </u>	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

The request to replace the aging overhead doors at Station 1 & 4 will provide a reliable system of doors to operate safely & effectively when emergency apparatus are dispatched. These new doors will provide a secure, weathertight, & most important, a set of reliable doors when needed. The current door system is approximately 20 years old and in need of replacement. Our current door provider recommends replacement of emergency apparatus doors to be replaced on a 15 year cycle and non-emergency doors on a 20 year cycle.

**Benefits of Project and Impact if Not Completed:**

The project will provide a secure building when not occupied when all apparatus are dispatched. The existing doors have air gaps & missing weatherstripping which could allow a potential intruder to pry a door open & access our firestation when apparatus are on a run. The weather stripping is falling in many areas and does allow the cold air in through some spaces. One motor was just replaced because the vendor could not find parts to repair the old motor. This new system would be weather tight and more efficient saving heating costs. If this project is not completed in the near future the inefficiencies and reliability will only worsen.

**Discuss Operating Budget Impact:**

The Station 1 apparatus bay is 7500 s/f (75x100) and Humarock Station 4 is 675 s/f (15x45) and is costly to keep these large areas heated in the winter months. The heating costs are rising and it is important to have doors that are weather tight and will operate in extreme weather conditions. The efficiency will reduce the burden on my heating costs for Station 1 & Station 4. The maintenance costs have been rising as these doors age, currently this year it is in excess of \$3000 to date. The cost to replace each door & associated equipment is \$3000. There are 10 doors at Station 1 and 2 doors at Station 4. The total cost for 12 doors would be \$36,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$36,000		\$36,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$36,000</b>	<b>\$0</b>	<b>\$36,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants		\$0		\$0	\$0	\$0	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual	-\$1,200						<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

# COASTAL OVERHEAD DOOR

P.O.Box 523  
Scituate, MA 02066

Sales • Service • Installation

## Estimate

Date	Estimate #
11/11/2016	16496
Rep	RW

Name / Address
Town of Scituate Kevin Kelly, 600 Chief Justice Cushing Hwy Scituate, MA. 02066

Ship To
Scituate Fir Dept attn John Murphy 146 First Parish Rd. Scituate Ma

Description	Qty	Total
12-2 x 14' 1 3/4 thick insulated steel doors r-value=16.9 with new track hardware and weather stripping	10	16,932.00T
add clear glass full view sections add 125.00 per section		0.00T
remove and dispose of existing doors, install new overhead doors as described above	1	675.00
LiftMaster Trolley Drawbar Electric Operator 1/2 HP Motor, 120Volt, 1 Phase Equipped with Emergency Disconnect, Interlock, 3 Button Surface Mount Control Station and Photo Eye Sensor System.	6	4,860.00T
install operator as described above Station 4	1	425.00
10-2 x 12' 1 3/4 thick insulated steel doors r-value=16.9 with new track hardware and weather stripping	2	2,440.80T
add clear glass full view sections add 125.00 per section		0.00T
remove and dispose of existing doors, install new overhead doors as described above	2	892.80

<b>Subtotal</b>	\$26,225.60
<b>Sales Tax.</b>	\$0.00
<b>Total</b>	\$26,225.60

Terms Net 15

THIS PROPOSAL IS SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS FOB

By initialing these Terms you acknowledge they have been read and accepted as part of this contract.

1. Proposal is valid for 30 days from above date unless otherwise noted. ( )Initial
2. The items listed to be furnished and installed are contingent upon delays beyond the sellers control. ( )Initial
3. Taxes are included, and will be invoiced unless a Tax Exempt Certificate is supplied. ( )Initial
4. Invoiced Final Payments are DUE UPON RECEIPT, unless prior Terms have been made and agreed to in writing by both parties. ( )Initial

Acceptance of proposal: \_\_\_\_\_ Date: \_\_\_\_\_

Phone #	781-545-1142	Fax #	781-843-3666
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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-220-1		
Project Title:	Command Vehicle 2010 Replacement		
Category:	Equipment		
Department:	Fire	Contact:	Chief Murphy

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

Replace 2010 command vehicle.

**Benefits of Project and Impact if Not Completed:**

The Department's replacement schedule calls for the command vehicle to be replaced every six years. This vehicle runs 24/7 and responds to every call.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$50,000			\$50,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s) Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

Car 3-0

Prepared By:  
DAVE DICICCIO  
MIRAK AUTOMOTIVE GROUP  
1125 MASSACHUSETTS  
ARLINGTON, MA 02476  
Phone: (781) 641-6821  
Fax: (781) 643-9618  
Email:  
DDICICCIO@MIRAK.MOTOSNAP.COM

2013 Fleet/Non-Retail Chevrolet Tahoe 4WD 4dr 1500 Commercial

## WARRANTY INFORMATION

WARRANTY INFORMATION - 2013 Fleet/Non-Retail CK10706 4WD 4dr 1500 Commercial

### WARRANTY

Basic:  
3 Years/36,000 Miles

Drivetrain:  
5 Years/100,000 Miles

Corrosion:  
3 Years/36,000 Miles  
Rust-Through  
6 Years/100,000 Miles

Roadside Assistance:  
5 Years/100,000 Miles

## STANDARD EQUIPMENT

STANDARD EQUIPMENT - 2013 Fleet/Non-Retail CK10706 4WD 4dr 1500 Commercial

### ENTERTAINMENT

- Audio system, AM/FM stereo with MP3 compatible CD player seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume, TheftLock and auxiliary audio input jack
- Audio system feature, 6-speaker system (With (5W4) Identifier for Special Service vehicle, includes 8-speaker system)
- SiriusXM Satellite Radio, delete

### EXTERIOR

- Wheels, 4 - 17" x 7" (43.2 cm x 17.8 cm) steel
- Tires, P265/70R17 all-season, blackwall
- Wheel, 17" (43.2 cm) full-size, steel spare
- Tire carrier, lockable outside spare winch-type mounted under frame at rear
- Tire, spare P265/70R17 all-season blackwall
- Luggage rack side rails, roof-mounted, Black
- Fascia, front color-keyed
- Fascia, rear color-keyed
- Assist steps, Black
- Headlamps, dual halogen composite with automatic exterior lamp control and flash-to-pass feature
- Mirrors, outside heated power-adjustable, manual-folding (Mirror caps are Black.)
- Glass, Solar-Ray deep-tinted (all windows except light-tinted glass on windshield and driver- and front passenger-side glass)
- Wiper, rear intermittent with washer
- Door handles, Black
- Liftgate with liftglass rear door system with rear-window wiper/washer

### INTERIOR

- Seats, front 40/20/40 split-bench, 3-passenger, driver and front passenger manual reclining, center fold-down armrest with storage, lockable storage compartments in seat cushion (includes auxiliary power outlet), adjustable outboard head restraints and storage pockets (With vinyl seats also includes (AM1) driver manual lumbar control. With vinyl seats requires (19V) Ebony vinyl and (BG9) Black rubberized-vinyl floor covering)
- Seats, second row 60/40 split-folding bench, 3-passenger with center armrest with 2 cup holders (Vinyl seats included and only available with (AZ3) front 40/20/40 vinyl split-bench seats, SE0 (5T5) second and third row vinyl with front cloth seats or (9S1) seats, driver and passenger front, individual seats in vinyl trim.)
- Seat adjuster, driver 6-way power
- Seats, third row 50/50 split-bench, 3-passenger removable, all-belts-to-seat
- Headliner, cloth
- Floor covering, Black rubberized-vinyl
- Steering column, Tilt-Wheel, adjustable with brake/transmission shift interlock
- Steering wheel, vinyl
- Steering wheel controls, mounted cruise controls
- Instrumentation, analog with speedometer, odometer with trip odometer, fuel level, voltmeter, engine temperature, oil pressure and tachometer (With (5W4) Identifier for Special Service vehicles, includes 120 mph speedometer and engine hour meter.)
- Warning tones headlamp on, key-in-ignition, driver and right-front passenger safety belt unfasten and turn signal on
- Windows, power with driver Express-Down and lockout features
- Door locks, power programmable with lockout protection (With (5W4) Identifier for Special Service vehicle, Auto Lockout is disabled on Driver door.)
- Remote vehicle starter prep package includes Remote Keyless Entry (Remote vehicle starter fob available as a Chevy Accessory.)
- Cruise control, electronic with set and resume speed
- Theft-deterrent system vehicle PASS-Key III

SELECTED OPTIONS - 2013 Fleet/Non-Retail CK10706 4WD 4dr 1500 Commercial

CATEGORY

Code	Description	MSRP
<b>SUSPENSION PKG</b>		
ZW7	SUSPENSION PACKAGE, PREMIUM SMOOTH RIDE (STD)	\$0.00
<b>EMISSIONS</b>		
NE1	EMISSIONS, CONNECTICUT, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, OREGON, PENNSYLVANIA, RHODE ISLAND, VERMONT AND WASHINGTON STATE REQUIREMENTS	\$0.00
<b>ENGINE</b>		
LMG	ENGINE, VORTEC 5.3L V8 SFI FLEXFUEL with Active Fuel Management, capable of running on unleaded or up to 85% ethanol (with gas - 320 hp [238.6 kW] @ 5400 rpm, 335 lb-ft of torque [452.2 N-m] @ 4000 rpm, with E85 ethanol - 326 hp [243.1 kW] @ 5300 rpm, 348 lb-ft of torque [469.8 N-m] @ 4400 rpm), iron block (STD)	\$0.00
<b>TRANSMISSION</b>		
MYC	TRANSMISSION, 6-SPEED AUTOMATIC, ELECTRONICALLY CONTROLLED with overdrive and tow/haul mode (STD)	\$0.00
<b>AXLE</b>		
GU6	REAR AXLE, 3.42 RATIO (Included and only available with (K5L) Heavy-Duty Trailing Package.)	INC
<b>PREFERRED EQUIPMENT GROUP</b>		
1FL	COMMERCIAL PREFERRED EQUIPMENT GROUP Includes Standard Equipment	\$0.00
<b>WHEEL TYPE</b>		
P46	WHEELS, 4 - 17" X 7.5" (43.2 CM X 19.1 CM) ALUMINUM, 5-SPOKE with smooth surface and rectangular pockets	\$375.00
<b>TIRES</b>		
QGI	TIRES, P265/70R17 ALL-SEASON, BLACKWALL (STD)	\$0.00
<b>PAINT SCHEME</b>		
ZY1	SOLID PAINT	\$0.00
<b>PAINT</b>		
41U	BLACK	\$0.00
<b>SEAT TYPE</b>		
AZ3	SEATS, FRONT 40/20/40 SPLIT-BENCH, 3-PASSENGER, DRIVER AND FRONT PASSENGER MANUAL RECLINING, CENTER FOLD-DOWN ARMREST with storage, lockable storage compartments in seat cushion (includes auxiliary power outlet), adjustable outboard head restraints and storage pockets (STD) (With vinyl seats also includes (AM1) driver manual lumbar control. With vinyl seats requires (19V) Ebony vinyl and (BG9) Black rubberized-vinyl floor covering)	\$0.00
<b>SEAT TRIM</b>		
19C	EBONY, PREMIUM CLOTH SEAT TRIM	\$0.00
<b>RADIO</b>		
US8	AUDIO SYSTEM, AM/FM STEREO WITH MP3 COMPATIBLE CD PLAYER seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume, TheftLock and auxiliary audio input jack (STD)	\$0.00
<b>ADDITIONAL EQUIPMENT</b>		
5W4	IDENTIFIER FOR SPECIAL SERVICE VEHICLE. Utilized to identify a vehicle as a police/fire special service vehicle for marketing, order-build process and emission certification purposes (Must be specified.) *CREDIT*	-\$5,710.00
K5L	TRAILERING PACKAGE, HEAVY-DUTY includes (KNP) auxiliary external transmission oil cooler and (KC4) engine oil cooler, provides increased tralling capabilities (Includes (GU6) 3.42 ratio rear axle. Required with (JL1) trailer brake controller.)	INC
6J1	IGNITION 100-amp main power supply wiring at instrument panel and trunk cargo area. (Requires (5W4) Identifier for Special Service vehicle.)	INC
KNP	COOLING, AUXILIARY TRANSMISSION OIL COOLER, HEAVY-DUTY AIR-TO-OIL (Included and only available with (K5L) Heavy-Duty Trailing Package.)	INC
KC4	COOLING, EXTERNAL ENGINE OIL COOLER, HEAVY-DUTY AIR-TO-OIL, INTEGRAL TO DRIVER SIDE OF RADIATOR (Included and only available with (K5L) Heavy-Duty Trailing Package.)	INC
K47	AIR CLEANER, HIGH-CAPACITY	INC
NQH	TRANSFER CASE, ACTIVE, 2-SPEED ELECTRONIC AUTOTRAC with rotary controls, includes neutral position for dinghy towing. (Requires 4WD models. Included with (K5L) heavy-duty trailing package.)	INC
---	BATTERY, 660 COLD CRANKING AMPS with 80 amp hour rating (Requires (5W4) Identifier for Special Service vehicle.)	INC
---	KEY, SINGLE, 2-SIDED (Requires (5W4) Identifier for Special Service vehicle.)	INC
---	LUGGAGE RACK, DELETE (Requires (5W4) Identifier for Special Service vehicle.)	INC
---	WIPERS, FRONT INTERMITTENT WET-ARM with flat blade and pulse washers (Requires (5W4) Identifier for Special Service vehicle.)	INC
UN9	RADIO SUPPRESSION, BRAIDED BRASS STRAPS attached to various body locations (Requires (5W4) Identifier for Special Service vehicle.)	INC
ATD	SEAT DELETE, THIRD ROW PASSENGER (Requires a fleet or government order type.) *CREDIT*	INC
UT7	GROUND STUDS, AUXILIARY 2 per vehicle in the rear compartment (Requires (5W4) Identifier for Special Service vehicle.)	INC
UE0	ONSTAR, DELETE *CREDIT*	INC
---	SAFETY BELTS, 3-POINT, DRIVER AND FRONT PASSENGER IN ALL SEATING POSITIONS (Requires (5W4) Identifier for Special Service vehicle.)	INC
<b>SHIP THRU CODES</b>		
VPV	SHIP THRU, PRODUCED IN ARLINGTON ASSEMBLY AND SHIPPED TO KERR INDUSTRIES AND ONTO ARLINGTON ASSEMBLY (MSRP = \$130.00)	INC
<b>SPECIAL EQUIPMENT OPTIONS</b>		
5T5	SEATS, REAR VINYL WITH FRONT CLOTH SEATS Provides vinyl rear seats and cloth front seats (Requires interior trim code (19C) Ebony and RPO (AZ3) front 40/20/40 split-bench with premium cloth seats or RPO (A95) front bucket with premium cloth seats.)	INC









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_10/30/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-300---
Project Title:	Buses
Category:	Equipment
Department:	School
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ x]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Capital Lease of 19 buses. We expect to pay \$ 12,000 per bus for a three year lease.

**Benefits of Project and Impact if Not Completed:**

*Safe enviroment for students riding, very little maintenance that is why we do three year.*

**Discuss Operating Budget Impact:**

SPS has taken this lease on for the last three years. This has always been a capital itmte.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$1,140,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$1,140,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,140,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>	<b>\$228,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-300-3		
Project Title:	Replace Windows Hatherly & Cushing Schools		
Category:	Construction		
Department:	School	Contact:	School Superintendent

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

To replace exterior windows at Hatherly & Cushing schools.

**Benefits of Project and Impact if Not Completed:**

The existing windows are old and deteriorating resulting in energy loss.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$1,200,000			\$1,200,000			<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,200,000	\$0	\$0	\$1,200,000	\$0	\$0	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,200,000	\$0	\$0	\$1,200,000	\$0	\$0

- CPA Purpose(s)**  
Check all that apply
- Open Space
  - Recreation
  - Historical
  - Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-300-4		
Project Title:	Resurface Asphalt Drives & Parking		
Category:	Construction		
Department:	School	Contact:	School Superintendent

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

The plan to resurface asphalt drives and parking lots is as follows; Hatherly, Cusing & Wampatuck. Estimates were previously provided by DPW. The Wampatuck project should be considered in conjunction with a traffic study to see if the front drive/bus loop needs to be extended.

**Benefits of Project and Impact if Not Completed:**

The parking lots and drives are seriously deteriorating and need immediate attention. With the new middle school project, the high school drive and lots will be resurfaced. Old Gates, though in need of attention, will be taken offline as a school and therefore the town will need to consider future rehabilitation of the parking areas. Jenkins is in fairly good shape, leaving only three other elementary schools in need of repair.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$964,498	\$266,530	\$424,780	\$273,188		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)  
Check all that apply**

- Tax Levy
- Debt
- Enterprise Retained Earnings
- Capital Stabilization
- Free Cash
- Revolving Fund
- CPA
- Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$964,498</b>	<b>\$266,530</b>	<b>\$424,780</b>	<b>\$273,188</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)  
Check all that apply**

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-24-17

Date of Last Edit: 10-24-17

Project Number:	2021-422-04		
Project Title:	I/I Reduction		
Category:	Repair and Maintenance		
Department:	Sewer	Contact:	William Branton
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**  
*To provide financing for various projects to reduce inflow and infiltration in the collection system. It is a legal requirement that our department makes a continued effort and commitment to reduce I/I. The amount requested for FY 21 will be to replace and repair sections of the collection system identified in area 5-2*

**Benefits of Project and Impact if Not Completed:**  
*Preserve and extend the life of our collection system, reduce operational costs to the pump stations and main facility, and allows for additional homes to be connected to sewer by preserving our outfall permitted flows limit. If I/I projects are not completed the capacity at the treatment plant will be limited by inflow and infiltration flows.*

**Discuss Operating Budget Impact:**  
 Reducing Inflow and infiltration will allow the department to waste less energy pumping and treating water that does not belong in the collection system. It will also allow for increased capacity at the facilities which will lead to more properties being able to connect to the sewer system and support our budget through connection fees and quarterly service credits.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$40,000			\$40,000		
Land Acquisition	\$0					
Construction	\$2,760,000			\$2,760,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
2. I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
3. High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
4. Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
5. Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
6. Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
7. High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.



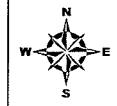
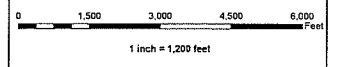
# Town of Scituate Massachusetts

**Figure 1  
Flow Meter Plan**

Updated:  
July 2016

### Legend

- Meter Station
- Rain Gauge
- Wastewater Treatment Plant
- Pumping Station
- Sewer Manhole
- ..... Force Main
- Sewer Main**
- 8 inch
- 10 inch
- 12 inch
- 14 inch
- ..... 15 inch
- ..... 18 inch
- 24 inch
- ..... 27 inch
- 30 inch
- 36 inch
- Sub Area



**CDM  
Smith**



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit: 10/23

Project Number:	2021-422-03
Project Title:	Influent Grit Removal
Category:	Equipment / Repair and Maintenance
Department:	Sewer
Contact:	William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Design and build a new system to remove grit, fats, oils, and grease from the influent flows. Removing these materials early in the process will significantly reduce the wear and tear on equipment and parts throughout the entire facility.

Benefits of Project and Impact if Not Completed:

The current grit removal system allows a tremendous amount of grit, rags, fats, oils, and grease to pass by it and enter the treatment system. These materials cause excessive wear and tear on all the equipment as it travels throughout the plant. Upgrading the grit removal system will reduce damage to pumps and allow equipment to be operated more efficiently.

Discuss Operating Budget Impact:

Short term the facility will be able to run it's pumps more effectively to handle surge flows without said surge flows clogging or breaking down equipment. Long term the department will enjoy substantially less costs in repairs for maintaining and replacing pumps that break down due to excessive grit in the system.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2019	FY2020	FY2021	FY2022	FY2023	<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$20,000			\$20,000			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Land Acquisition	\$0						<input checked="" type="checkbox"/>	<input type="checkbox"/>
Construction	\$2,000,000			\$2,000,000			<input type="checkbox"/>	<input type="checkbox"/>
Equipment/Furnishings	\$0						<input type="checkbox"/>	<input type="checkbox"/>
Contingency	\$0						<input type="checkbox"/>	<input type="checkbox"/>
Other	\$0						<input type="checkbox"/>	<input type="checkbox"/>
<b>TOTAL</b>	<b>\$2,020,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,020,000</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,020,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,020,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

## Preliminary Capital Budget Scituate Wastewater Department

**To:** William Branton, Chief Operator  
**FROM:** Ian Mead, P.E.  
Ian Catlow, P.E.  
**COPY:** Mike Schrader, P.E.  
**DATE:** October 20, 2017

---

Based on our recent discussions, Tighe & Bond understands that you are in the process of identifying capital projects to maintain the current level of service at the Town's wastewater treatment facility. We have summarized the five projects that we recently discussed with you along with their anticipated budgets below. Projects are not presented in any particular order of priority; however, it is important to note that many of the upgrade projects outlined below will be better defined through the Wastewater Facility Assessment described in the first project.

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

1. Screenings & Grit Removal - Identify problems with current screening and grit removal systems and recommend upgrades to address deficiencies.
2. Influent Pump Performance - Identify issues limiting pump capacity and recommend changes needed. In addition, assess pump vulnerability to emergency flooding conditions.
3. Structural and Architectural Systems - Assess the condition of the concrete structures at the facility and recommend repair and maintenance tasks to prevent wear and tear and reduce long term repair costs where needed. Assessments are likely to focus on older structures such as the aeration tanks, aerobic digesters, and the catwalks/walkways in these tanks.
4. Preventive Maintenance and Modernization - Identify and prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.
5. Code Update - Identify code compliance issues associated with the classification of spaces, egress requirements, HVAC, life safety equipment, and electrical systems.

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

Draft Scope of Work: This project would include the replacement of the existing influent screen, the addition of a new screenings wash press to clean and transport screenings out of the existing screen room, and the replacement of existing flow control gates. Associated electrical and HVAC systems within the screening room would also be upgraded as part of the project. Grit removal upgrades were assumed to include replacement of aeration headers, piping, blowers and improved grit removal system.

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

Draft Scope of Work: This project would include the upgrade of the existing influent pumping system to address capacity issues and improve system resiliency. We have



assumed that all four existing influent pumps would be replaced along with their associated valves, fittings, electrical systems and influent flow metering systems.

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

Draft Scope of Work: This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater Facility Assessment. For planning purposes, we have assumed that the majority of these repairs will be focused on aeration tank and aerobic digester tanks and catwalks/walkways. Additional work may include concrete crack repairs and leak sealing throughout the facility.

**Project 5: Vactor Tipping Pad Upgrade**

Budget: \$560,000

Draft Scope of Work: This project would include the design and construction of a new vactor tipping pad within a portion of the footprint of the effluent lined emergency storage lagoon. A pump station to return liquid discharged by the vactor to the head of the plant would also be included in the project with flexibility to aid in draining the emergency storage lagoon, as needed.

We ask that you review the outlines presented above and contact us to adjust project scopes and budgets as needed. Ian Mead can be reached at 508-471-9643 and Ian Catlow can be reached at 508-471-9605.

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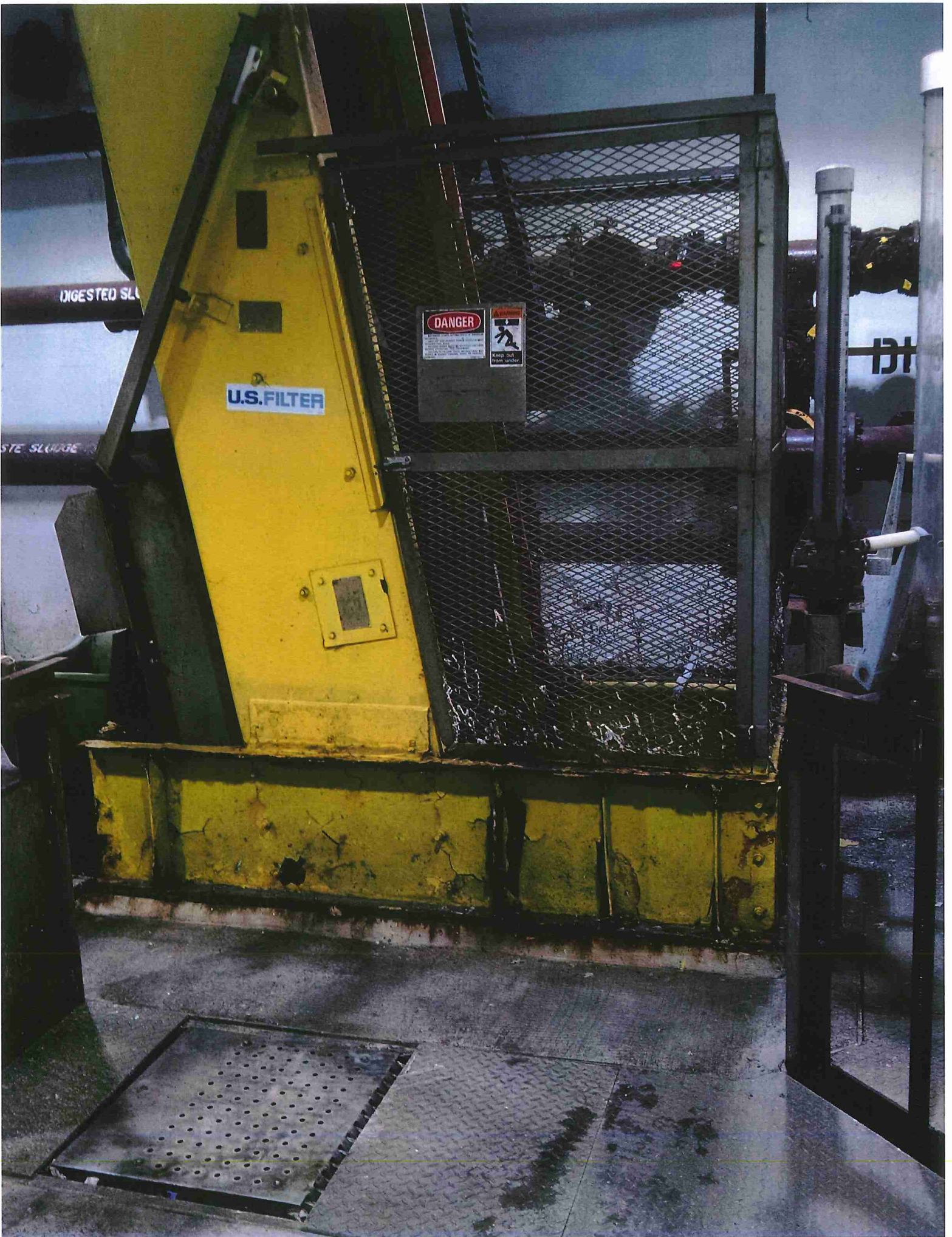


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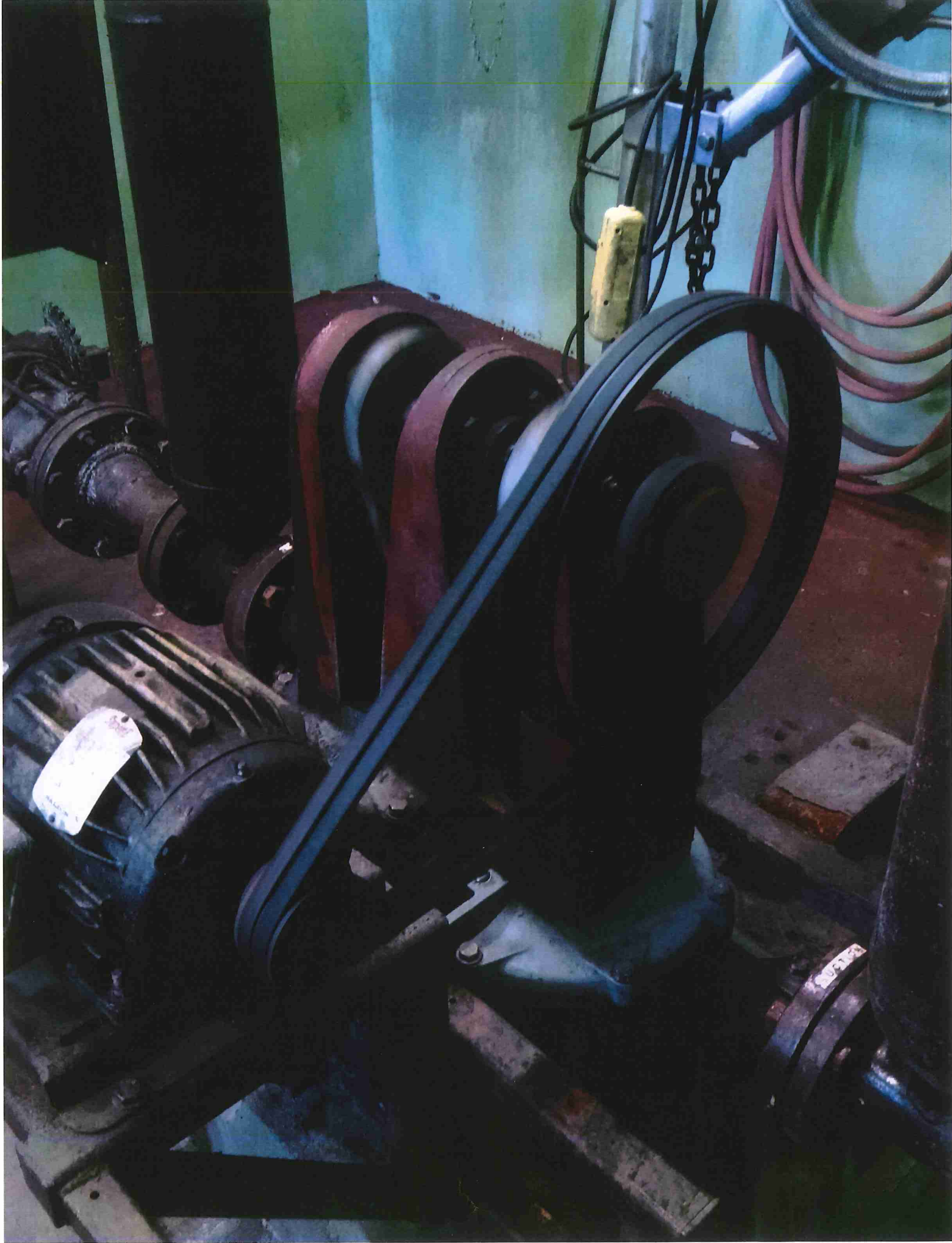
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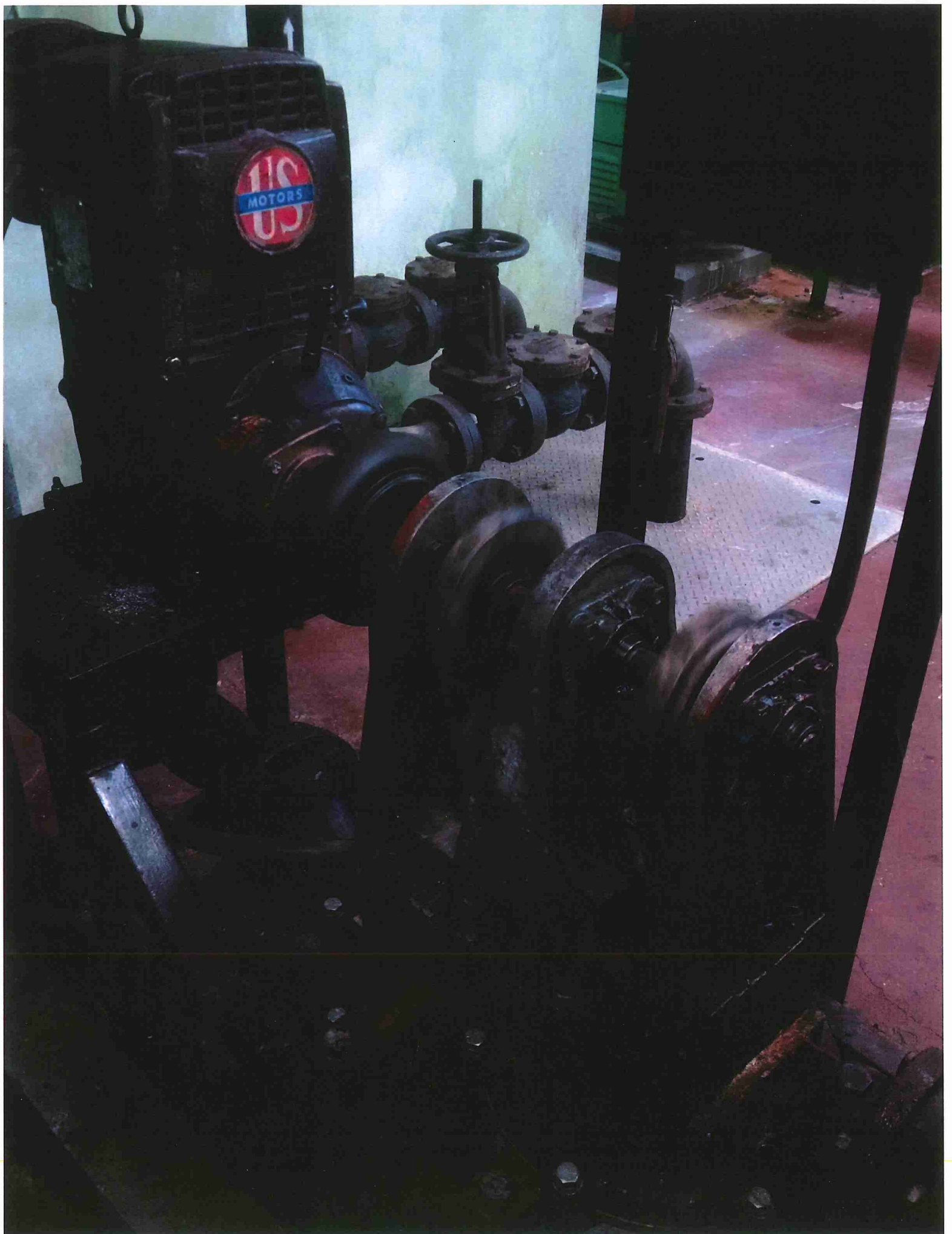




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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/11/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-433-02		
Project Title:	Replace Yard Jockey		
Category:			
Department:	Transfer Station	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]        Recurring [ ]        Resubmission [ x ]

                  Multiyear [ ]        Phase \_\_\_ of \_\_\_

**Description:**

Replacement of the 1983 Yard Jockey vehicle used on a daily basis to move the large 40 yard trailers used for solid waste and construction debris. The vehicle is 33 years old and requires annual maintenance that is increasing in cost to repair.

**Benefits of Project and Impact if Not Completed:**

The replacement of this vehicle with a newer used vehicle will reduce the annual maintenance cost.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$65,000				\$65,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11/11/16

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-433-01		
Project Title:	Front End Loader		
Priority:			
Department:	Transfer Station	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase \_\_\_ of \_\_\_

**Description:**

Replacement of the 2010 Cat 928HZ Front end Loader (Mileage 11404 hours) . This piece of equipment is an integral part of the day to day operations.

**Benefits of Project and Impact if Not Completed:**

This versatile piece of equipment is used daily to move bins, debris, pallets and heavy items throughout the site. This piece of equipment is also used in snow operations at the Transfer Station and public roadways and parking lots throughout town.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$170,000				\$170,000		<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,000</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**Massachusetts & RI Locations:**

100 Quarry Dr. 84 Concord St.  
 Milford, Ma. 01757 N. Reading, Ma. 01864

14 Kendrick Rd., Rte 28 2158 Plainfield Pike  
 Wareham, Ma. 02571 Cranston, RI. 02920

**Southworth-Milton, Inc.**  
 www.miltoncat.com

**FY 2016 PURCHASE**

DATE: November 7, 2016

**Town of Scituate DPW**  
 600 Chief Justice Cushing Hwy  
 Scituate, Ma. 02066  
 Kevin Cafferty

**State Contract:** VEH93

Qty	Description	List Price	State Contract Price
1	<b>New 2016 CAT 930M Loader</b> Deluxe Cab with Heat and AC, AM/FM Bluetooth Radio Ride Control, Front Differential Lock, Cold Weather Package Heavy Counterweight, Titan MXL tires Fusion Quick Coupler with 3rd Valve Hydraulics 3.2 yd General Purpose Bucket with BOCE, 2 Extra Front and 2 Extra Rear LED flood lights Rear View Camera integrated into display 3 year-1500 hour full warranty	\$ 255,860.00	\$ 154,932.00
Options: 1	11ft Power Angle plow		\$ 13,900.00

**Total State Contract Delivered Price: \$ 168,832.00**

**Tom Benedetti Jr**  
 Governmental and State Sales  
 Mobile Phone: 774-258-1636  
 Fax: 774-907-3062  
 tc@benedetti@miltoncat.com



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-450-5		
Project Title:	Replace Water Mains or Clean & Line		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [X] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Proactively clean and line or replace the oldest and/or most problematic water mains in town. New Ductile Iron water mains have an expected useful life of 75+ years. With 124 miles of water main in the ground replacing just one mile per year will take 124 years to replace entire system.

Benefits of Project and Impact if Not Completed:

Replacing smaller quantities of water main each year can avoid costly larger projects and the disruptions they can cause. This will improve water quality and reduce the number of leaks resulting in cost savings to the town. Replacing smaller diameter water mains with larger ones also increases fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$1,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-450-1	
Project Title:	Redevelopment of Public Wells	
Category:	Equipment	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [X] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

**Description:**

Redevelopment of Drinking Water Wells to increase thier pumping capacity and extend the longevity of the well. Over time the rate of flow begins to decline due to sediment accumulation down in the well screen and wear and tear of constant use. When well performance/production is down 15% or more redevelopment is recommended.

**Benefits of Project and Impact if Not Completed:**

Redeveloping our Drinking Water Wells improves pumping capacity and water quality. It also makes our wells more efficient which results in energy savings. An added benefit is the more the wells produce the less we need to depend on the reservoir and Treatment Plant.

The most significant impact of not funding this project is decreased production from the wells and possible pump failure durring critical times such as summer months.

**Discuss Operating Budget Impact:**

The operating budget impact of redeveloping wells will be a total of \$50,000.00 from the Water Enterprise Fund.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$100,000			\$50,000		\$50,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

# Maher Services, Inc.

71 Concord Street  
 North Reading, MA 01864  
 Tel 978-664-WELL (9355) Fax 978-664-9356

Invoice  
 3453

Sean Anderson Scituate DPW Water Division 600 Chief Justice Cushing Hwy. Scituate, MA 02066- sanderson@scituatema.gov	Invoice Date:	09/07/16
	Job Number:	2822
	Purchase Order:	
	Period From:	
	To:	

**REMIT TO: Maher Services, Inc., 71 Concord Street, North Reading, MA 01864**

Item	Description	Quantity	Unit Cost	Tax able	Total
1	Mobilization, demobilization, remove and reinstall pump.	1.00 ls	\$ 6,800.00		\$ 6,800.00
2	Set and remove surge equipment. Video inspection. Provide and maintain generator to run redevelopment equipment.	1.00 ls	\$ 2,800.00		\$ 2,800.00
3	Machine time to clean and redevelop the well	20.00 hr	\$ 140.00		\$ 2,800.00
4	Well cleaning chemicals	1.00 ls	\$ 800.00		\$ 800.00
			<b>SUB TOTAL</b>		<b>\$ 13,200.00</b>
<b>Pump Equipment</b>					
1	Grundfos 385S150-2 3600 RPM Submersible pump, 360 GPM @ 120' TDH. Stainless steel construction.	1.00 ls	\$ 2,600.00		\$ 2,600.00
2	15 HP Franklin Electric 460 volt, 3 phase submersible motor	1.00 ls	\$ 1,900.00		\$ 1,900.00
3	Fabricate existing discharge head and base plate for use with a submersible pump	1.00 ls	\$ 1,500.00		\$ 1,500.00
4	4 inch column pipe	1.00 ls	\$ 850.00		\$ 850.00
5	Submersible motor cable, heavy duty flat jacketed	1.00 ls	\$ 600.00		\$ 600.00
6	Flow Sleeve	1.00 ls	\$ 500.00		\$ 500.00
			<b>SUB TOTAL</b>		<b>\$ 7,950.00</b>
Sub Totals					\$ 21,150.00
Sales Tax 6.25%					\$ -
<b>TOTAL Due This Invoice</b>					<b>\$ 21,150.00</b>





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-450-3		
Project Title:	10 Year Meter Replacement Program		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ X ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Ten year meter replacement program is to replace old and damaged meters that are not capturing all water usage. Replacements are e-coder (transmitter) radio read meters. They are more accurate and store 99 days of water usage history. This is helpful in diagnosing high water bill complaints.

Benefits of Project and Impact if Not Completed:

Replacement of the old water meters with intergrated e-coder meters benefits the consumer as well as the town. The new meters are more accurate, do not require a touch pad on the outside of the home, can store past usage data, and are less labor intensive. The e-coders drastically reduce time spent installing as well as reading meters.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$175,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	
Operating Budget Impact							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2021-450-2	
Project Title:	Replace Truck 35	
Category:		
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Replace 2008 Chev Silverado pick-up, truck 35, with new 4x4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 35 has been in service for 13 years and has accumulated 168,134 miles.

Benefits of Project and Impact if Not Completed:

This truck must be replaced as it is used daily in the field to carry tools and equipment to the work site

The replacement of this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, and add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

Discuss Operating Budget Impact:

The operating budget impact of a new truck would be \$53,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$53,000			\$53,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s)  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

3-5



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
WATER DIVISION

2500 HD

2008 Chev Colorado

mileage: 149,047

11-4-16



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2021-450-4		
Project Title:	Replace Truck 38		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Replace 2008 Chev Colorado pick-up, truck 38, with new 4x4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 38 has been in service for 13 years and has accumulated 129,134 miles.

Benefits of Project and Impact if Not Completed:

This truck must be replaced as it is used daily in the field to carry tools and equipment to the work site

The replacement of this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, and add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

Discuss Operating Budget Impact:

The operating budget impact of a new truck would be \$53,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy <input type="checkbox"/> Debt <input type="checkbox"/> Enterprise Retained Earnings <input type="checkbox"/> Capital Stabilization <input type="checkbox"/> Free Cash <input type="checkbox"/> Revolving Fund <input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other
Land Acquisition	\$0						
Construction	\$0						
Equipment/Furnishings	\$53,000			\$53,000			
Contingency	\$0						
Other	\$0						
<b>TOTAL</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,000</b>	<b>\$0</b>	<b>\$0</b>	

Grant Amount Requested	CPA Amount Requested	Net of CPA and Grants	CPA Purpose(s) Check all that apply				
			FY2019	FY2020	FY2021	FY2022	FY2023
\$0	\$0	\$53,000	\$0	\$0	\$53,000	\$0	\$0

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



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TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
WATER DIVISION



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2021-298-1	
Project Title:	Mooring Regrid	
Category:	Study	
Department:	Waterways	Contact: Harbormaster Stephen Mone

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

*Reorganization of moorings for optimal use of space.*

**Benefits of Project and Impact if Not Completed:**

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$45,000			\$45,000			<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>

- CPA Purpose(s)**  
Check all that apply
- Open Space
  - Recreation
  - Historical
  - Housing

**Operating Budget Impact**

During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-9-16

Date of Last Edit: 10-12-17\_

<b>Project Number:</b>	FY 2021-298-01		
<b>Project Title:</b>	Replacement of Docks and Electrical on docks Cole Parkway Marina		
<b>Category:</b>			
<b>Department:</b>	Harbormaster	<b>Contact:</b>	Stephen Mone
<b>Project is:</b>	NEW <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

The request is for the replacement of Docks , Power Pedestals and Wiring At Cole Parkway Marina The docks of been in service for quite some time and are showing their age, there is rot in the wood and the years of pulling them in and out of the water have affected their integrity. It would make sense for us to replace the floats now and try to sell off the docks to a private marina or to another municipality while they are still in somewhat saleable condition. This way we could capture the funds from the sale of the docks and put it back into the enterprise fund. Also replace the wiring on the docks along with the pedestals

**Benefits of Project and Impact if Not Completed:**

The replacement docks would be made of a composite decking material which would hold up better and last longer than the existing all wood docks, the existing docks have wood rot in different areas and are in need of attention, Also the wood decking is splitting from the years of abuse, The decking is extremely costly to replace. The wiring is getting beat up and showing it's age . The pedestals have been damaged over the years are in tough shape and in need of replacement.

**Discuss Operating Budget Impact:**

There will be costs incurred which will impact the budget, maintaining and replacing rotted boards and decking on the existing floats, also as the decks get older they would be much more difficult to sell and less valuable to other marinas. increased cost due to condition and repairs to the electrical system.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$1,000,000			\$250,000			<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply <input type="checkbox"/> Open Space <input type="checkbox"/> Recreation <input type="checkbox"/> Historical <input type="checkbox"/> Housing
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	
<b>Operating Budget Impact</b>							
During Project	\$0						
Post-Project Annual							
Post-Project One-time	\$0						



**MEECO  
SULLIVAN**  
THE MARINA COMPANY

November 10, 2016

Cole Parkway Marina  
Town of Scituate  
Scituate, MA

### BUDGET ESTIMATE

*System Type: Heavy duty Sullfloat system- with 2" x 6" Moisture Shield Composite Decking*

#### Main Walkways:

- (6) 16' x 20' Hinged sections
- (8) 7' x 22' Hinged sections
- (50) 7' x 20' Hinged sections

#### Fingers

- (4) 3' x 20' with C-Channel tracks
- (97) 2' x 20' with C-Channel tracks

Total for docks delivered, off-loaded and installed by others \$574,046.00

#### Options:

1. Engineered stamped drawings: \$5,000.00 for docks. \$5,000.00 for gangway.
2. (1) 5' x 80' ADA aluminum gangway \$44,608.00 delivered

*Note: All above pricing does not include any applicable state or local tax.*





PRICE INCLUDES:

- Freight to site, purchaser provides off-loading
- All docks delivered complete and ready for installation
- Vinyl dock bumper - white/black
- 12" Galvanized mooring cleats and attachment hardware ( ) per boat
- Chain and roller/plate and eyebolt type pile guides
- 3/4" x 6" Eyebolts for anchoring
- Utility access panels- full width - 12' on center
- High impact resistant polyethylene floats with foam core - 12" in height
- .60 CCA pressure treatment in wood framing
- Stainless steel deck screws, #10 x 3"
- 2" x 6" Moisture shield composite decking
- Recycled grey plastic decking
- Mechanically laminated side beams
- Anti-torsion truss system throughout

Payment Schedule

Town Purchase Order with total due 30 days after delivery

Respectfully Submitted by:  
Meeco Sullivan, LLC.

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Robert Sullivan  
Vice President

Matt Beechinor  
Sales Representative

P.O. Box 639 • 3 Chancellor Lane • Warwick, NY 10990  
845-986-7377 • F 845-986-8531 • meecosullivan.com



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-27-17

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-298-01		
Project Title:	Replacement Pump out Boat		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

<b>Department Priority:</b>	
<input checked="" type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

**Description:**

Replacement of aging Pump Out Boat

**Benefits of Project and Impact if Not Completed:**

By replacing the existing Pump Out Boat this will insure uninterrupted service. That the boats in Scituate will be pumped out when the boater calls for service to have their waste pumped out.

**Discuss Operating Budget Impact:**

The Town receives funding for this service, This service helps keep our waterways clean, free of waste.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$74,811	\$74,811					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$74,811</b>	<b>\$74,811</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$74,811</b>	<b>\$74,811</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>CPA Purpose(s)</b> Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

# Marine Boatbuilders CO

# Quote

PO Box 7826  
Warwick, RI 02887

DATE:  
October 26, 2017

E-MAIL: rickjr@marineboatbuilders.com  
Phone: 401-732-1975 Fax 401-732-4528

Bill To: Ship To:  
Stephen F. Moon  
Scituate Harbormaster  
100 Cole Parkway  
Scituate, MA 02066  
[smone@scituatema.gov](mailto:smone@scituatema.gov)  
781-545-8724

For: 19' 230gal MBB Pump-Kleen  
Pumpout Boat

	AMOUNT
1-each 19' Marine Boatbuilders 230gal Pump-Kleen Pumpout Boat w/115HP Edson model 120 Diaphragm Pump. As per attached specifications, Turn key ready.	\$ 74,811.08
<b>GSA# GS-07F-215AA</b> <i>Quote Valid for 90 Days</i> <i>Terms: Half Down and the remainder upon delivery</i>	
<b>TOTAL</b>	\$

Make all checks payable to Marine Boatbuilders Co.  
If you have any questions concerning this invoice or quote cc  
Rick Audette Jr 401-935-1186, e-mail rickjr@marineboatbuilders.com

THANK YOU FOR YOUR BUSINESS!



Town of Scituate  
 Capital Plan  
 Criteria Points-Summary  
 Sorted by Year, Fund & Department

12/17/2017; 1:08 PM

Total	Project	Department	Year	Fund	Request	Est. Cost Total	CRITERIA						SCORE						Comment
							A	B	C	D	E	F	A	B	C	D	E	F	
43	MS4 Compliance	DPW - Engineering	2022	GF	\$ 50,000	\$ 50,000	1	4	1	2	4	3	4	16	3	6	8	6	
53	Foreshore Protection	DPW - Foreshore Protection	2022	GF	\$ 200,000	\$ 200,000	1	2	5	4	4	3	4	8	15	12	8	6	
44	Field Repair/Construction	DPW - Grounds	2022	GF	\$ 35,000	\$ 35,000	1	3	3	3	0	5	4	12	9	9	0	10	
42	Wheel Loader	DPW - Grounds	2022	GF	\$ 100,000	\$ 100,000	1	3	3	3	0	4	4	12	9	9	0	8	
64	Road & Sidewalk Improvements	DPW - Highway	2022	GF	\$ 200,000	\$ 200,000	3	2	5	5	4	3	12	8	15	15	8	6	
30	Replace 2002 Dive/Rescue Truck	Fire	2022	GF	\$ 60,000	\$ 60,000	0	2	1	3	0	5	0	8	3	9	0	10	
41	School Technology	School	2022	GF	\$ 100,000	\$ 500,000	1	2	2	3	4	3	4	8	6	9	8	6	
39	Jenkins School Roof Replacement-Design	School	2022	GF	\$ 50,000	\$ 50,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	Capital Lease of School Buses-Buyout	School	2022	GF	\$ 228,000	ongoing	1	2	3	4	0	3	4	8	9	12	0	6	
39	Replace Wampatuck School Flooring	School	2022	GF	\$ 250,000	\$ 250,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	Replace Wampatuck School Outside Portico	School	2022	GF	\$ 175,000	\$ 175,000	1	2	4	3	0	3	4	8	12	9	0	6	
72	Infiltration/Inflow	Sewer	2022	S	\$ 3,500,000	\$ 8,100,000	5	4	5	3	4	2	20	16	15	9	8	4	
55	Influent Pump Upgrade	Sewer	2022	S	\$ 1,630,000	\$ 1,630,000	5	3	4	3	0	1	20	12	12	9	0	2	
43	Septage Grit Removal System	Sewer	2022	S	\$ 253,000	\$ 253,000	5	3	2	1	0	1	20	12	6	3	0	2	
67	Clean & Line Water Mains	Water	2022	W	\$ 1,000,000	ongoing	5	3	4	3	4	3	20	12	12	9	8	6	
50	Repair Mann Lot Standpipe	Water	2022	W	\$ 1,000,000	\$ 1,000,000	5	2	1	3	1	4	20	8	3	9	2	8	
50	10 Yr Meter replacement cycle program	Water	2022	W	\$ 175,000	\$ 175,000	5	2	1	3	4	1	20	8	3	9	8	2	
65	Replacement of Docks & Electrical Cole Pkwy Marina	Waterways	2022	WW	\$ 250,000	\$ 250,000	5	3	4	3	3	3	20	12	12	9	6	6	
					<b>Total FY22</b>	<b>\$ 9,256,000</b>	<b>\$ -</b>												



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-411-2		
Project Title:	MS-4		
Category:	Study		
Department:	DPW	Contact:	Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission [ ]

Multiyear [x ]      Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for MS-4 environmental requirements.*

**Benefits of Project and Impact if Not Completed:**

*Mandatory state and federal requirements for stormwater management by municipalities.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$50,000				\$50,000	
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

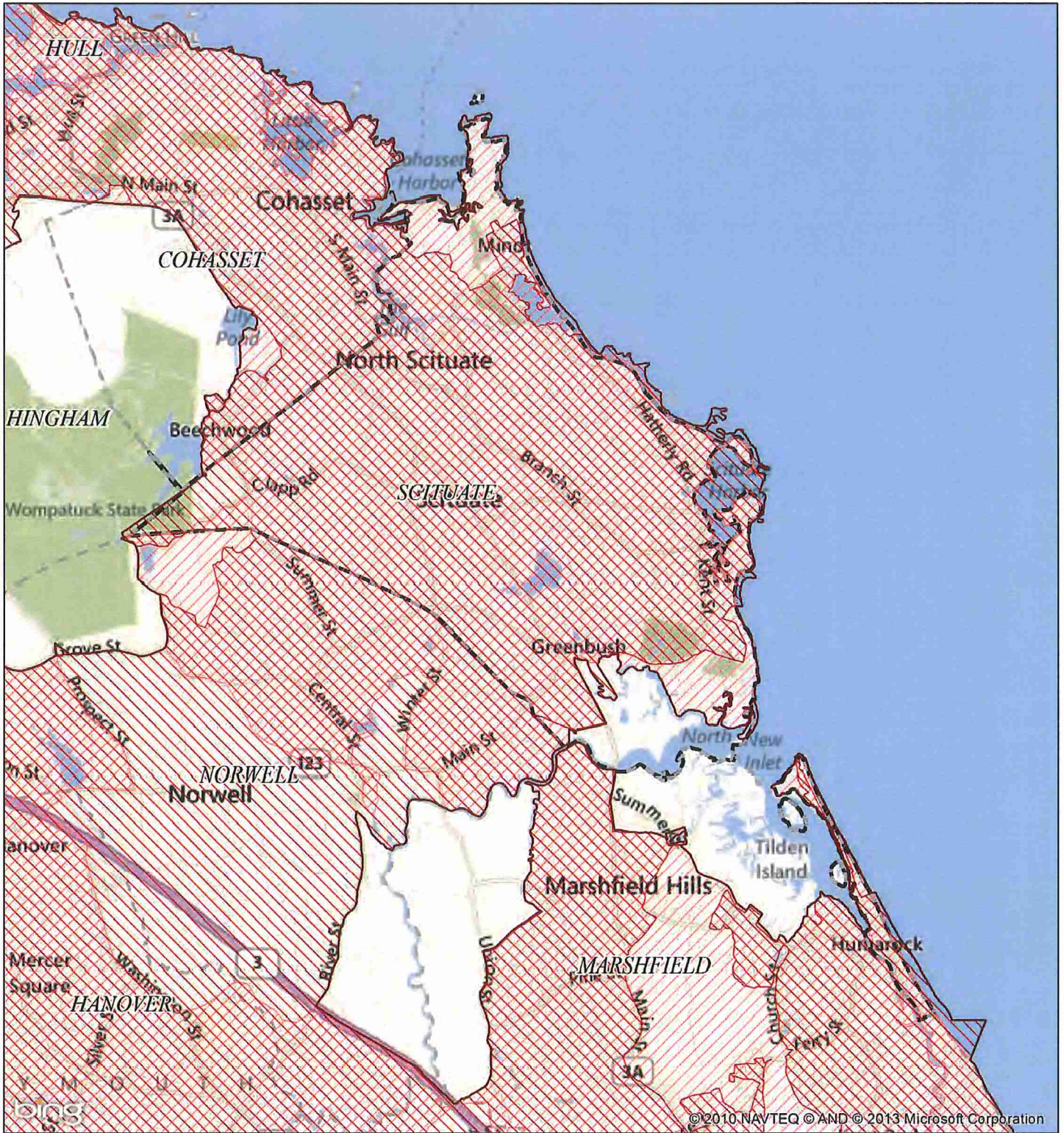
Recreation

Historical

Housing

**Operating Budget Impact**

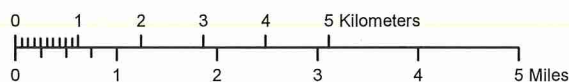
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



NPDES Phase II Stormwater Program  
 Automatically Designated MS4 Areas  
**Scituate MA**

Town Population: **17654**  
 Regulated Population: **17353**  
 (Populations estimated from 2010 Census)

**Regulated Area:**



Urbanized Areas, Town Boundaries:  
 US Census (2000, 2010)  
 Base map © 2013 Microsoft Corporation  
 and its data suppliers



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-411-1	
Project Title:	Foreshore Protection	
Category:	Construction & Study/Design	
Department:	DPW	Contact: Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input checked="" type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

To provide funding for foreshore protection projects including repairs to seawalls, design of new foreshore projects and town share match for foreshore grants.

**Benefits of Project and Impact if Not Completed:**

To have available funds to make repairs, move forward with studies and perform engineering and design on new projects.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$100,000				\$100,000		<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$100,000				\$100,000		<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$200,000	\$0	\$0	\$0	\$200,000	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$200,000	\$0	\$0	\$0	\$200,000	\$0

- CPA Purpose(s)**  
Check all that apply
- Open Space
  - Recreation
  - Historical
  - Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022042901		
Project Title:	Field Repair/Construction		
Category:	Constructions		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

Soccer Field Top dress field with loam fill holes, correct grad and re-seed, includes all sprinkler head marking and adjustments

**Benefits of Project and Impact if Not Completed:**

Highlight project benefits, including efficiencies created, service enhancements, and cost savings. Also describe any short- and long- term consequences of not funding the project.

**Discuss Operating Budget Impact:**

Explain the project's short- and long-term impacts on the community's operating budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$35,000				\$35,000		<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>

**CPA Purpose(s)  
Check all that apply**

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

CAHT

**Mass Pavement Reclamation, Inc**  
1356 Hanover Street  
Hanover, MA 02339  
Phone # 781-826-8388 Fax # 781-826-8358  
E-mail: massreclamation@aol.com

# Proposal

DATE	PROPOSAL #
7/10/2017	2017-026

NAME / ADDRESS
Town of Scituate Department of Public Works 600 Chief Justice Cushing Highway Scituate, MA 02066

PROJECT
Football Field (17)

SCOPE OF WORK
<p>JOB: PRACTICE &amp; FOOTBALL FIELD REPAIR/CONSTRUCTION</p> <p>Scope of Work: PRACTICE FOOTBALL FIELD            -160'X404' (64,640 SF / 7182 SY)            -Reconstruction of practice football field            -Pulverize &amp; rough grade existing field            -Install approx. 800 CY (3") loam to finish grade and hydro-seed            -Includes locating, removal and capping, and reinstalling and adjusting sprinkler heads            Total Estimate: \$56,870.00</p> <p style="text-align: right;">2021</p> <p>Scope of Work: SOCCER FIELD            -232' X 388' (90,016 SF / 10,000 SY)            -Top dress soccer field with 3" (approx. 800 CY) of loam            -Fill holes, correct grade, and re-seed            -Includes all sprinkler head marking and adjustments            -Town to aerate prior to work commencement            Total Estimate: \$33,588.00</p> <p style="text-align: right;">2022</p>

Please add Mass Pavement Reclamation, Inc. as additional excavator onto your digsafe ticket and supply us with the valid digsafe number. We are not responsible for damage to any subsurface structure that is not clearly marked as to location and depth.

The work to be performed in accordance with the drawings & specifications submitted.

Payments are as follows:  
30 Days

Respectfully Submitted by *Michael Gallant*  
Thank You.  
Proposal may be withdrawn within 30 days.

The above scope of work, prices, and conditions are hereby accepted.  
Contractor is authorized to do work mentioned above.

Any alteration or deviation from above scope of work will become extra charge over and above this proposal.

\_\_\_\_\_  
Date

Please sign and return (1) copy to us. Thank You.

**Customer Signature** \_\_\_\_\_





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022-429-02	
Project Title:	Wheel Loader	
Category:	Equipment	
Department:	Grounds	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	___ of ___		

**Description:**

*New Wacker/wheel loader snow plow attachment and brush cutter attachment*

**Benefits of Project and Impact if Not Completed:**

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$100,000				\$100,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

CPA Purpose(s) Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

Operating Budget Impact	
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

*Cost.*

## Wheel Loader

### WL 32

WL

#### Articulated Wheel Loader offers power and performance for any construction job site

» Equipped with a powerful Perkins 4-cylinder Tier IV Final Perkins diesel engine, the WL 32 from delivers high performance. Available with either a 48HP or 60HP engine designed for maximum efficiency. This articulating wheel loader features a modern cab design ensuring panoramic visibility with excellent head room and freedom of movement. With the universal attachment plate, Faster Hydraulic Block, and 14-Pin auxiliary electrical harness all standard, operating attachments is quick and easy. «



#### ADDITIONAL ADVANTAGES:

- Perkins T4F engines available in 48 and 60 hp versions.
- Standard aux hydraulic flow of 16 gpm with 28 gpm high flow option.
- Universal attachment plate accepts most existing skid steer attachments.
- 48" width capable of maneuvering sidewalks (narrow tires required).
- Faster quick connect hydraulic connections with 14-pin wiring harness standard.
- Ergonomically shaped and spring-mounted seat for operator comfort for added productivity.
- Factory installed heat and A/C (A/C only on cab versions).

*\$64,912.50*



**WACKER  
NEUSON**

Technical Data	WL 32		Technical Data	WL 32	
<b>ENGINE</b>					
Make / Model	Perkins Tier IV Final 404F-22 (48HP) 404D-22T (60HP)				
Type	Turbo-charged, water-cooled, 4-cylinder diesel engine				
Max. operating power canopy at operating speed	hp (kW)	60 (45) 48 (36)			
	rpm	2600			
Power rating specification	ISO 3046				
Fuel tank capacity	gal (l)	16 (60)			
<b>PERFORMANCE</b>					
Drive speed 2 speed	mph (kph)	12 (20)			
Bucket capacity	yd <sup>3</sup> (m <sup>3</sup> )	0.5 (0.5)			
Drive	Hydrostatic / High speed				
Axles	Planetary axles				
Standard tires	31x15.5 - 15EM ET -37				
Steering	Hydraulically operated centrally- articulated pendulum steering				
Oscillation angle	12°				
Articulation angle	±44°				
Working brake	Hydrostatic / mechanical				
Parking brake	Mechanical				
<b>HYDRAULICS</b>					
Work pump	Gear pump				
Flow rate-working auxiliary high flow	gpm (l/min)	16 (60) 28 (106) HF option only			
Pressure	psi (bar)	3046 (210)			
Hydraulic tank capacity	gal (l)	13 (49)			
<b>CAPACITY</b>					
Loader design	PZ lift frame				
Hydraulic lifting capacity	lbs (kg)	7259 (3293)			
Breakout force	lbf (dNa)	9082 (40.4)			
Straight tipping load (bucket)	lbs (kg)	4885 (2216)			
Articulated tipping load (bucket)	lbs (kg)	4080 (1851)			
Straight tipping load (pallets)	lbs (kg)	4193 (1902)			
Articulated tipping load (pallets)	lbs (kg)	3527 (1600)			
<b>Technical Data DIMENSIONS</b>					
A - Length with standard bucket	ft-in (mm)	15' 9" (4792)			
A' - Length without bucket	ft-in (mm)	13' 2" (4022)			
B - Axle center to bucket pivot point	ft-in (mm)	2' 3" (675)			
C - Wheelbase	ft-in (mm)	6' 8" (1952)			
D - Axle center to rear overhang	ft-in (mm)	4' 3" (1290)			
E - Overhead loading height*	ft-in (mm)	9' 6" (2887)			
F - Max. height of bucket pivot point*	ft-in (mm)	10' 6" (3200)			
H - Max. dumping height*	ft-in (mm)	7' 11" (2413)			
I - Scraping depth*	in (mm)	1" (43)			
K - Reach at max. dump height*	ft-in (mm)	1' 1" (334)			
L - Height of cab*	ft-in (mm)	7' 8" (2348)			
M - Total working height*	ft-in (mm)	14' 8" (4648)			
N - Maximum dumping angle	48°				
O - Reverse roll angle on ground	39°				
P - Reverse roll angle at max. lift height	50°				
Q - Inside turning radius*	ft-in (mm)	6' (1828)			
R - Overall width*	ft-in (mm)	4' 7" (1390) - narrow tires 4' (1219)			
T - Ground clearance*	ft-in (mm)	10" (250)			
Z - Maximum turning radius	ft-in (mm)	11' 7" (3533)			
Operating weight cab	lbs (kg)	7385 (3350)			
* In the event of deviating tires or reversed wheel rims the dimensions will change					
<b>DEALER INSTALLED ACCESSORIES (Sold Separately)</b>					
3" seat belt, winter convenience package, various tire options and more					
<b>NOISE LEVEL</b>					
Noise level (LWA)	100 dB(A)				

**Standard Package**

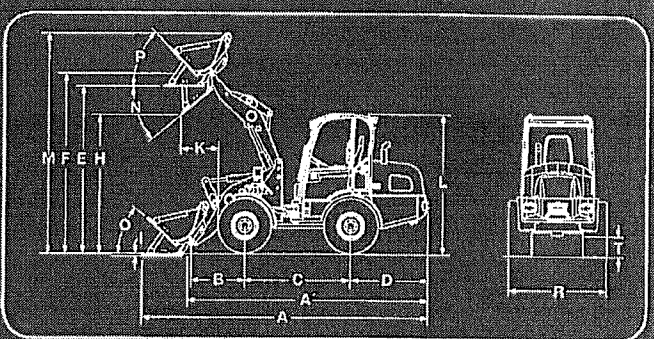
Wheel Loader includes operator's manual and parts book.

WL 32

Model Guide

WL = Wheel Loader  
32 = Weight in metric tons 3.2

Please refer to our Price List and Ordering Guide for complete accessory information.



Specifications may change due to continuous product development. Users are advised to consult Wacker Neuson's Operator's Manual and website for specific information regarding the engine power rating. Actual power output may vary due to conditions of specific use.

0986192/Sep-2014/Layout Goes Studio/Printing Marek Group

www.wack

**TRI-COUNTY CONTRACTORS SUPPLY**  
154 Wayside Ave.  
WEST SPRINGFIELD, MA 01089  
(413) 733-5189



**WACKER  
NEUSON**

# Tri County Contractors Supply Inc.

Main Office Location  
154 Wayside Avenue  
West Springfield, MA 01089  
Phone (413) 733-5189  
Fax (413) 781-2102  
October 17, 2017

Scituate DPW  
Attn: Mike Breen  
68 Captain Pierce Road  
Scituate, MA. 02066

Mike,

It was a pleasure speaking with you today about the WACKER NEUSON WL32 loader and attachments. As per our discussion, we are pleased to quote you on the following equipment:

1 -new WACKER NEUSON model **WL-32HF** Loader complete with High Flow Hydraulics:  
GENERAL (Weight and dimensions may vary based off of configuration)

- Length (w/standard bucket)/Width/Height: 187.2" x 55.7" x 92.6"
- Operating weight: 7,496 lbs.
- Pin Height: 126.3"
- Maximum speed: 12.4 mph with 2-speed select switch
- Articulated steering:  $\pm 45^\circ$
- Oscillation angle:  $\pm 12^\circ$
- 100% - on demand differential lock
- Universal style mounting plate for attachments
- Back-up alarm
- Rotating Beacon
- Infinitely adjustable steering column

#### ENGINE

- Water-cooled T4F PERKINS diesel engine, model 404F-22T – Turbo Charged
- 4-cylinder, 135 in<sup>3</sup>
- Operating power: **60 HP** at 2,800 rpm

#### CAB

- Vibration insulated, heating with fan and defroster vents, 2 doors
- Adjustable suspension comfort seat with safety belt
- Windshield wiper and washing system, front and rear
- Foldable rearview mirrors, right and left
- 2 front headlights and Front and Rear LED Safety Light Bars
- 2 front working lights and 2 rear working lights, Radio – AM/FM
- Complies with ROPS and FOPS regulations

HYDRAULIC

- Hydrostatic automotive 4-wheel drive
- Inch brake pedal
- Joystick control, forward / reverse / neutral
- Auxiliary control circuit standard
- **Auxiliary hydraulics: 26.4 gal/min**
- Universal style hydraulic skid steer quick hitch
- 14-Pin wiring harness for controlling electric over hydraulic attachments
- Faster® Hydraulic Block for quick changing of attachments
- 2 float positions – back dragging and scraping

TIRES

- Multi-purpose tires
- 31x15.5-15EM ET-37 Year-Round Usage
- 10.00 - 16.5 wheels with tires for winter use (47.5" wide) – Studded if desired

**Equipped with the following accessories:**

Bucket with bolt on cutting edge

Manual Throttle and Speed Control Kits (Ground Speed Control)

Fully Serviced and Ready to Operate

**FOB: Scituate, MA.**

**\$64,912.50**

**OPTIONAL ATTACHMENTS:**

One – new McConnell PA4530FM series Boom Mower complete with set of foam filled tires, counterweight, loader mounting and lock-out brackets, boom reaching out approx. 14' 3", Flail head, Joystick Controller with magnetic mounting for in-cab

Fully Serviced and Ready To Operate From Above:

\$24,960.00 ← options

One - new WN 4' Forks set of two with mounting carriage

\$ 877.50

One - new WACKER NEUSON model PA680 – 48" Wide - Two Stage, Single Auger Snow blower for above machine

\$10,602.00 ← options

One - new WACKER NEUSON model P682 – 48" wide DUAL AUGER and dual stage snow blower for high flow loaders only

\$17,455.50

One - new WN 5' - hydraulic angle, **trip moldboard** snowplow

\$ 2,866.50

One – new WN 5' x 30" high – Heavy Duty, **Trip Cutting Edge**, hydraulic angling snowplow

\$ 4,446.00

One - new 60" wide, hydraulic driven and hydraulic angling broom

\$ 6,759.00

One - Water Tank and Sprinkler System with Pump for Broom....ADD

\$ 1,015.20

Other Options and Accessories are available upon request.

If the above prices are for **BUDGET – July, 2018**, please **add approx. 5%** to above prices for potential price increases.









TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2018 - FY2022

Date submitted: 11-10-16

Date of Last Edit: \_\_\_\_\_

Project Number:	2021-220-1		
Project Title:	Zoll monitor		
Category:	Equipment		
Department:	Fire Department	Contact:	Chief John Murphy

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: NEW  Recurring  Resubmission

Multiyear  Phase \_\_\_ of \_\_\_

Description:

Replace Zoll cardiac monitor.

Benefits of Project and Impact if Not Completed:

Discuss Operating Budget Impact:

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$50,000	\$50,000					<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants		\$50,000	\$0	\$0	\$0	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**GUIDELINES  
2010 READY**

**ZOLL Medical Corporation**

Worldwide Headquarters  
269 Mill Rd  
Chelmsford, Massachusetts 01824-4105  
(978) 421-9655 Main  
(800) 348-9011  
(978) 421-0015 Customer Support  
FEDERAL ID#: 04-2711626

**1: Scituate Fire Rescue**

149 First Parish Road  
Scituate, MA 02066-4098

Attn: Rich Kelly

**QUOTATION 113962 V:3**

DATE: December 05, 2013

email: [d2ncrt@aol.com](mailto:d2ncrt@aol.com); [d2ncrt@verizon.net](mailto:d2ncrt@verizon.net)  
Tel: 781-708-1232

TERMS: 1% 10, Net 30 Days

FOB: Destination

FREIGHT: Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
1	801-2231011-01	<p><b>X Series® Manual Monitor/Defibrillator \$14,995</b> with 4 trace tri-mode display monitor/ defibrillator/ printer, comes with Real CPR Help®, advisory algorithm, advanced communications package (Wi-Fi, Bluetooth, USB cellular modem capable) USB data transfer capable and large 6.5" (16.5cm) diagonal screen, full 12 ECG lead view with both dynamic and static 12-lead mode display.</p> <p><b>Accessories Included:</b></p> <ul style="list-style-type: none"> <li>• Six (6) foot 3- Lead ECG cable</li> <li>• MFC cable</li> <li>• MFC CPR connector</li> <li>• A/C power adapter/ battery charger</li> <li>• A/C power cord</li> <li>• One (1) roll printer paper</li> <li>• 6.6 Ah Li-Ion battery</li> <li>• USB data-transfer cable</li> <li>• Carry case</li> <li>• Declaration of Conformity</li> <li>• Operator's Manual</li> <li>• Quick Reference Guide</li> <li>• One (1)-year EMS warranty</li> </ul> <p><b>Advanced Options:</b> Real CPR Help Expansion Pack \$ 995 CPR Dashboard quantitative depth and rate in real time, release indicator, interruption timer, perfusion performance indicator (PPI) • See - Thru CPR artifact filtering</p> <p><b>ZOLL Noninvasive Pacing Technology: \$2,550</b></p>	1	\$40,020.00	\$32,816.40	\$32,816.40

Page 1 Subtotal

**\$32,816.40**

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Peter Mastromatteo  
Sr. EMS Territory Manager  
339-440-0058

1. DELIVERY WILL BE MADE 60-90 DAYS AFTER RECEIPT OF ACCEPTED PURCHASE ORDER.
2. PRICES QUOTED ARE VALID FOR 60 DAYS.
3. APPLICABLE TAX ADDITIONAL
4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL
5. FAX PURCHASE ORDERS AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT 978-421-0015  
OR EMAIL TO [ESALES@ZOLL.COM](mailto:ESALES@ZOLL.COM).
- ALL DISCOUNTS OFF LIST PRICE ARE CONTINGENT UPON PAYMENT WITHIN AGREED UPON TERMS.
7. PLACE YOUR ACCESSORY ORDERS ONLINE BY VISITING [www.zollwebstore.com](http://www.zollwebstore.com).



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FEDERAL ID#: 04-2711626

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Attn: Rich Kelly

email: [d2pctr@aol.com](mailto:d2pctr@aol.com); [d2pctr@verizon.net](mailto:d2pctr@verizon.net)

Tel: 781-708-1232

**QUOTATION 113962 V:3**

DATE: December 05, 2013

TERMS: 1% 10, Net 30 Days

FOB: Destination

FREIGHT: Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
5	8300-0250-01	SurePower Charger Adapter	2	\$97.00	\$79.54	\$159.08
6	8200-000100-01	Single Bay Charger for the SurePower and SurePower II batteries	1	\$945.00	\$756.00	\$756.00
*Reflects State of MA Contract# FIR03 pricing.						
<b>TOTAL</b>						<b>\$35,567.28</b>

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339-440-0058



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149 First Parish Road  
Scituate, MA 02066-4098

Attn: **Rich Kelly**

**QUOTATION 113962 V:3**

DATE: December 05, 2013

TERMS: 1% 10, Net 30 Days

FOB: Destination

FREIGHT: Free Freight

email: [d2pcrt@aol.com](mailto:d2pcrt@aol.com); [d2pcrt@verizon.net](mailto:d2pcrt@verizon.net)  
Tel: 781-706-1232

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
1	801-2231011-01	<p><b>X Series® Manual Monitor/Defibrillator \$14,995</b> with 4 trace tri-mode display monitor/ defibrillator/ printer, comes with Real CPR Help®, advisory algorithm, advanced communications package (Wi-Fi, Bluetooth, USB cellular modem capable) USB data transfer capable and large 6.5" ( 16.5cm) diagonal screen, full 12 ECG lead view with both dynamic and static 12-lead mode display.</p> <p><b>Accessories Included:</b></p> <ul style="list-style-type: none"> <li>- Six (6) foot 3- Lead ECG cable</li> <li>- MFC cable</li> <li>- MFC CPR connector</li> <li>- A/C power adapter/ battery charger</li> <li>- A/C power cord</li> <li>- One (1) roll printer paper</li> <li>- 6.6 Ah Li-Ion battery</li> <li>- USB data transfer cable</li> <li>- Carry case</li> <li>- Declaration of Conformity</li> <li>- Operator's Manual</li> <li>- Quick Reference Guide</li> <li>- One (1)-year EMS warranty</li> </ul> <p><b>Advanced Options:</b></p> <p>Real CPR Help Expansion Pack \$ 995 CPR Dashboard quantitative depth and rate in real time, release indicator, interruption timer, perfusion performance indicator (PPI) - See - Thru CPR artifact filtering</p> <p><b>ZOLL Noninvasive Pacing Technology: \$2,550</b></p>	1	\$40,020.00	\$32,816.40	\$32,816.40

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Page 1 Subtotal **\$32,816.40**

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Peter Mastromatteo  
Sr. EMS Territory Manager  
339-440-0058

TOWN OF SCITUATE

FISCAL YEAR 2016 CAPITAL REQUEST

Move to 2022

Division: \_\_\_\_\_ Priority 17 \_\_\_\_\_

Department: \_\_\_\_\_ Type: \_\_\_\_\_

Fire

Project: \_\_\_\_\_ Cost Basis: \_\_\_\_\_

Replace 2002 Dive/Rescue Truck

Category: \_\_\_\_\_

	FY2016	FY2017	FY2018	FY2019	FY2020	TOTAL
					\$60,000.00	\$60,000.00
Funding Source					Funding Amount	
A	General Fund				\$60,000.00	
B					\$0.00	
C					\$0.00	
D					\$0.00	

Description:

Replace our 2002 dive/rescue truck which will have 18 years of service to the Town.

Justification:

This is a necessary piece of equipment for the Fire Department, especially as a coastal town.

This is a necessary piece of equipment for the Fire Department, especially as a coastal town.

Description of item to be replaced:

2002 Dive/Rescue utility truck.

Estimated value of replaced item: \_\_\_\_\_

Schedule for completion of project:

\_\_\_\_\_

With in 6 months of available funds.

Estimated annual impact: \$0.00

Explanation:

The existing vehicle has provided 18 years of service to the Town.

Submitted by: John P. Murphy

Date: 10/31/14

Title: Fire Chief



Prepared By:  
 Sid Dailey  
 Marty's Isuzu, GMC, Buick  
 5 Independence Mall Way  
 Kingston, MA 02364  
 Phone: (800) 870-7573  
 Fax: (781) 585-0674  
 Email: sid@martysgmc.com

2015 Retail Isuzu NPR HD DSL REG AT

**SELECTED MODEL & OPTIONS**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

SELECTED MODEL - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
NF354	2015 Isuzu NPR HD DSL REG AT 150" WB WHITE CAB IBT AIR PWL	\$51,856.00

SELECTED VEHICLE COLORS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

<u>Code</u>	<u>Description</u>
-	Interior: No color has been selected.
-	Exterior 1: No color has been selected.
-	Exterior 2: No color has been selected.

SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

**CATEGORY**

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
MODEL OPTION		
NF354	CUSTOM/BASE MODEL (SEO) -inc: in rail fuel tank, pwr windows/door locks (REQ: C60 Air Conditioning)	\$0.00
VEHICLE APPLICATION		
RQ2	TRUCK APPLICATION (STD)	INC
EMISSIONS		
YF5	50 STATE EMISSIONS, INCLUDING CALIFORNIA	INC
ENGINE		

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
 © Copyright 1986-2012 Chrome Data Solutions, LP. All rights reserved.

Customer File:

Prepared By:  
 Sid Dailey  
 Marty's Isuzu, GMC, Buick  
 5 Independence Mall Way  
 Kingston, MA 02364  
 Phone: (800) 870-7573  
 Fax: (781) 585-0674  
 Email: sid@martysgmc.com

2015 Retail Isuzu NPR HD DSL REG AT

**SELECTED MODEL & OPTIONS**

**WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED**

**SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL**

**CATEGORY**

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
<b>ENGINE</b>		
11B	4HK1-TC, DIESEL ENGINE 317 CID (5.19L), 215 HP AT 2550 RPM: 452 FT-LB GROSS TORQUE AT 1850 RPM. 4 CYLINDER, 16 VALVE, FOUR CYCLE, OVERHEAD CAM, TURBOCHARGED, INTER-COOLED, WATER COOLED EGR VALVE, DIRECT INJECTION, ELECTRONICALLY CONTROLLED COMMON RAIL FUEL SYSTEM AND ENGINE CRUISE CONTROL. Oil level check switch and light. Engine Warning system with audible warning for low oil pressure, high coolant temperature, and low coolant level. Rear engine cover. (STD)	INC
<b>TRANSMISSION</b>		
IR7	TRANSMISSION, AUTOMATIC, AISIN A465 6-SPEED. Ratios: 3.742, 2.003, 1.343, 1.000, 0.773, 0.634, Rev 3.539 (STD)	INC
<b>AXLE</b>		
005	REAR AXLE RATIO, 4.56:1 (STD)	INC
<b>WHEELBASE</b>		
IB1	WHEELBASE, 150" (381.0 CM) includes ladder type channel frame. Full C section straight frame 33.5 inches (85.1 cm) wide. Yield strength 44,000 psi, section modulus 7.20 cu. in. and RBM 316,800 lb-ft/in per rail. (STD)	INC
<b>FRONT TIRES</b>		
15H/169	FRONT TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)	INC
<b>REAR TIRES</b>		
15H/134	REAR TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)	INC
<b>PAINT SCHEME</b>		
ZY1	SOLID PAINT (STD)	INC
<b>SEAT TRIM</b>		
*34C	VERY DARK PEWTER, TRICOT & JERSEY KNIT COMBINATION CLOTH SEAT TRIM (STD)	INC
<b>REQUIRED OPTION</b>		

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GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
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Customer File:

Prepared By:  
Sid Dailey  
Marty's Isuzu, GMC, Buick  
5 Independence Mall Way  
Kingston, MA 02364  
Phone: (800) 870-7573  
Fax: (781) 585-0674  
Email: sid@martysgmc.com

## 2015 Retail Isuzu NPR HD DSL REG AT

### **SELECTED MODEL & OPTIONS**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

#### CATEGORY

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
REQUIRED OPTION		
I3H	DEF FILL CHARGE	\$10.00
C60	AIR CONDITIONING	\$1,272.00
ADDITIONAL OPTIONS		
UZF	BACK UP ALARM	\$112.00
I66	ENGINE BLOCK HEATER (120V 600W)	\$80.00
<b>OPTIONS TOTAL</b>		<b>\$1,474.00</b>

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

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 Sid Dailey  
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2015 Retail Isuzu NPR HD DSL REG AT

**PRICING SUMMARY**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

PRICING SUMMARY - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

	<u>MSRP</u>
Base Price	\$51,856.00
Total Options:	\$1,474.00
Vehicle Subtotal	\$53,330.00
Tire Weight Tax	\$0.00
Advert/Adjustments	\$0.00
Destination Charge	\$1,125.00
<b>GRAND TOTAL</b>	<b>\$54,455.00</b>

CHASSIS LIST \$54,455  
 REBATE & DISCOUNT - 11,774  
 Buy CHASSIS FOR \$42,681  
 + BODY (SEE QUOTE)  
 + TAX, REG & DOC FEE

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
 © Copyright 1986-2012 Chrome Data Solutions, LP. All rights reserved.  
 Customer File:

# DEJANA

Truck and Utility Equipment



## QUOTE

New York, New England, Mid Atlantic  
& Greater Philadelphia  
490 Pulaski Rd Kings Park, NY 11754  
Phone(631)544-9000 Fax(631)544-3501  
WWW.DEJANA.COM

QUOTE #	DS002806
DATE	11/18/2014

SOLD TO: MARTYS GMC  
SID  
5 INDEPENDENCE MALL WAY  
KINGSTON MA 02364  
  
Phone: 7815857571  
Fax: (781) 585-4718  
Email: SID@MARTYSGMC.COM

SHIP TO: MARTYS GMC  
SID  
5 INDEPENDENCE MALL WAY  
KINGSTON MA 02364  
  
Phone: (781) 585-7571  
Fax: (781) 585-4718

SALESPERSON	REFERENCE	P.O. REQUIRED	QUOTE VALID UNTIL
BRIAN SARAULT		No	12/18/2014

MAKE:	ISUZU	MODEL:	NPR-HD	YEAR:	2008	SRW/DRW:	DRW
CAB TO AXLE:	129.0	WHEELBASE:	150.0	VIN:			
STOCK/ORDER NUMBER:	TT ISUZU BOX TRUCK		TOTAL WEIGHT (LBS) OF ALL QUOTED ITEMS: 0				

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	DEJANA DURA-BOX DRY FREIGHT BODY 16' LENGTH X 96" WIDTH X 84" HEIGHT: ----- * BODY LENGTH: 16'5" OD/ 16' ID * BODY WIDTH: 96" OD/ 92.25" ID * BODY HEIGHT: 91.25" OD/ 84.25" ID * POLAR WHITE .040 ALUMINUM SHEET AND POST CONSTRUCTION * 16" ON CENTER GALVANIZED SIDE POSTS * 2" RIVET SPACING ON ALL PANEL SEAMS * 3" I-BEAM CROSS MEMBERS ON 16" CENTERS * 4" STRUCTURAL CHANNEL LONG SILLS * PINE WOOD FLOOR * COMPLETE UNDERCOATING OF BODY STRUCTURE * 2 ACCESS HANDLES  INCLUDES:		
1	SUBFRAME, DRW DRY FREIGHT 16'L X 96"W		
1	MOUNT KIT, DRY FREIGHT 16' BODY		
1	ROOF PANEL, TRANSLUCENT		

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1/2" PLYWOOD, FRONT ONLY STANDARD		
1	3/8" PLYWOOD, SIDES ONLY STANDARD		
1	STANDARD INCANDESCENT MARKER LIGHTS, DRW DRY FREIGHT		
1	LIGHTING, INTERIOR DOME LIGHT LED		
1	2-1/4 BARN DOOR SET, 40"W		
1	TIE RING, STANDARD. SURFACE MOUNT LOCATED APPROXIMATELY EVERY 4' ON CENTER		
1	42"W ROLL UP SIDE DOOR		
1	DROP STEP BUMPER, FULL WIDTH 96" WIDE BODY		
1	BACK UP ALARM		
1	DELIVERY TO DEALERSHIP CARGO DIVISION ZONE 13		

SUBTOTAL	\$8,198.00
DISCOUNT	\$0.00
SALES TAX	\$0.00
TOTAL	\$8,198.00

### Suggested Items:

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE	Y/N TO QUOTE
				Yes / No

Customer must fill out the information below before the order can be processed...

Quote #**DS002806**

Accepted by:		Date:		PO#:	
Dealer's Stock#:		Vin ID#:			
<b>TRUCK AT DEALER AND READY FOR PICKUP?</b>					
YES:		NO:		OTHER:	
Make:		Model:			
Color:		WB:			

- ◆ PLEASE SIGN AND INCLUDE PO IF REQUIRED AND FAX BACK TO 631-544-3501
- ◆ Labor and installation is included in all pricing.
- ◆ Quoted price does not include any applicable taxes.
- ◆ Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
- ◆ Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-300-5	
Project Title:	School Technology	
Category:	Equipment	
Department:	School	Contact: School Superintendent

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ x ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*Upgrade school technology to support educational curriculum.*

**Benefits of Project and Impact if Not Completed:**

*To maintain and enhance current technology options in school system.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$100,000				\$100,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-300---		
Project Title:	Flooring		
Category:	Building Renovation		
Department:	School - Wampatuck	Contact:	Paul Donlan

<b>Department Priority:</b>	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

Project is:	New	[x]	Recurring	[ ]	Resubmission	[ ]
	Multiyear	[ ]	Phase	___ of ___		

**Description:**  
Replace floor tiles in the hallways, classrooms, foyer and bathrooms that weren't replaced in the renovation of 2012.

**Benefits of Project and Impact if Not Completed:**  
Non wax floors throughout the building that would eliminate stripping, sealing, waxing and greatly reduce summer maintainance that would place attention on other places needing attention. This would eliminate detergents, some of the chemicals.

**Discuss Operating Budget Impact:**  
Operating supplies would be greatly reduced through the building. We would need to buy burnisher to polish floors.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$250,000				\$250,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>

<b>Funding Source(s)</b>	
Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>

<b>CPA Purpose(s)</b>	
Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-300---
Project Title:	Outside Portico
Category:	Building Renovation
Department:	School - Wampatuck
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [  ]      Resubmission [  ]

                         Multiyear [  ]      Phase \_\_\_ of \_\_\_

**Description:**

This portico would need to have a complete redesign. This portico sticks out over the driveway and has been hit a few times by trucks trying to deliver products. At present this is a T portico as it comes from the school and then across the sidewalk in front of the school about 30 feet long. In design this may be eliminated and we would only go from the school to the sidewalk.

**Benefits of Project and Impact if Not Completed:**

Rain protection in the drop off area for both parents and buses. At present this is not as stable as we would like.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$25,000				\$25,000	
Land Acquisition	\$0					
Construction	\$150,000				\$150,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$175,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$175,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10-24-17

Date of Last Edit: 10-24-17

Project Number:	2022-422-04		
Project Title:	I/I Reduction		
Category:	Repair and Maintenance		
Department:	Sewer	Contact:	William Branton
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Description:

To provide financing for various projects to reduce inflow and infiltration in the collection system. It is a legal requirement that our department makes a continued effort and commitment to reduce I/I. The amount requested for FY 22 will be to replace and repair sections of the collection system identified in area 2-1

Benefits of Project and Impact if Not Completed:

Preserve and extend the life of our collection system, reduce operational costs to the pump stations and main facility, and allows for additional homes to be connected to sewer by preserving our outfall permitted flows limit. If I/I projects are not completed the capacity at the treatment plant will be limited by inflow and infiltration flows.

Discuss Operating Budget Impact:

Reducing inflow and infiltration will allow the department to waste less energy pumping and treating water that does not belong in the collection system. It will also allow increased capacity at the facilities which will lead to more properties being able to connect to the sewer system and support our budget through connection fees and quarterly service credits.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$45,000				\$45,000		<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$3,455,000				\$3,455,000		<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$3,500,000	\$0	\$0	\$0	\$3,500,000	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$3,500,000	\$0	\$0	\$0	\$3,500,000	\$0

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
2. I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
3. High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
4. Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
5. Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
6. Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
7. High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.

**TABLE 5**  
**TOWN OF SCITUATE**  
**FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO**  
**OPTION 1 - COST SUMMARY**





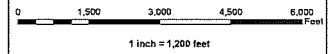
# Town of Scituate Massachusetts

Figure 1  
Flow Meter Plan

Updated:  
July 2016

### Legend

- Meter Station
  - Rain Gauge
  -  Wastewater Treatment Plant
  -  Pumping Station
  - Sewer Manhole
  - ..... Force Main
- Sewer Main**
- 8 inch
  - 10 inch
  - 12 inch
  - 14 inch
  - 15 inch
  - 18 inch
  - 24 inch
  - 27 inch
  - 30 inch
  - 36 inch
  - Sub Area



**CDM  
Smith**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/23/17

Date of Last Edit: 10/23

Project Number:	2022-422-04		
Project Title:	Influent Pump Upgrade		
Category:	Equipment		
Department: Sewer	Contact:	William Branton	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

                         Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

*Upgrade existing influent pumping system to address capacity and issues and improve system resiliency.*

**Benefits of Project and Impact if Not Completed:**

*Currently the department is having difficulty keeping up with influent flows during high flow events. It will be necessary to upgrade the influent pumps to facilitate greater peak flows in order to prevent potential overflows in the collection system during high flow events.*

**Discuss Operating Budget Impact:**

*New modern pumps will operate with better efficiency. Upgrading the influent pumping system will allow the facility to handle more flows and allow for future expansion of the collection system leading to more revenue from future connections.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$30,000				\$30,000	
Land Acquisition	\$0					
Construction	\$1,600,000				\$1,600,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,630,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,630,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,630,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,630,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## Preliminary Capital Budget Scituate Wastewater Department

**To:** William Branton, Chief Operator  
**FROM:** Ian Mead, P.E.  
Ian Catlow, P.E.  
**COPY:** Mike Schrader, P.E.  
**DATE:** October 20, 2017

---

Based on our recent discussions, Tighe & Bond understands that you are in the process of identifying capital projects to maintain the current level of service at the Town's wastewater treatment facility. We have summarized the five projects that we recently discussed with you along with their anticipated budgets below. Projects are not presented in any particular order of priority; however, it is important to note that many of the upgrade projects outlined below will be better defined through the Wastewater Facility Assessment described in the first project.

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

1. Screenings & Grit Removal - Identify problems with current screening and grit removal systems and recommend upgrades to address deficiencies.
2. Influent Pump Performance - Identify issues limiting pump capacity and recommend changes needed. In addition, assess pump vulnerability to emergency flooding conditions.
3. Structural and Architectural Systems - Assess the condition of the concrete structures at the facility and recommend repair and maintenance tasks to prevent wear and tear and reduce long term repair costs where needed. Assessments are likely to focus on older structures such as the aeration tanks, aerobic digesters, and the catwalks/walkways in these tanks.
4. Preventive Maintenance and Modernization - Identify and prioritize preventative maintenance items and equipment that can be modernized to reduce long term operations and maintenance costs.
5. Code Update - Identify code compliance issues associated with the classification of spaces, egress requirements, HVAC, life safety equipment, and electrical systems.

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

Draft Scope of Work: This project would include the replacement of the existing influent screen, the addition of a new screenings wash press to clean and transport screenings out of the existing screen room, and the replacement of existing flow control gates. Associated electrical and HVAC systems within the screening room would also be upgraded as part of the project. Grit removal upgrades were assumed to include replacement of aeration headers, piping, blowers and improved grit removal system.

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

Draft Scope of Work: This project would include the upgrade of the existing influent pumping system to address capacity issues and improve system resiliency. We have



assumed that all four existing influent pumps would be replaced along with their associated valves, fittings, electrical systems and influent flow metering systems.

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

Draft Scope of Work: This project would include the repair of concrete tanks, foundations and other elements of the facility identified by the Wastewater Facility Assessment. For planning purposes, we have assumed that the majority of these repairs will be focused on aeration tank and aerobic digester tanks and catwalks/walkways. Additional work may include concrete crack repairs and leak sealing throughout the facility.

**Project 5: Vactor Tipping Pad Upgrade**

Budget: \$560,000

Draft Scope of Work: This project would include the design and construction of a new vactor tipping pad within a portion of the footprint of the effluent lined emergency storage lagoon. A pump station to return liquid discharged by the vactor to the head of the plant would also be included in the project with flexibility to aid in draining the emergency storage lagoon, as needed.

We ask that you review the outlines presented above and contact us to adjust project scopes and budgets as needed. Ian Mead can be reached at 508-471-9643 and Ian Catlow can be reached at 508-471-9605.

J:\S\55001 Scituate DPW\Proposals\Preliminary Capital Budget 101917.docx



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 6/23/17

Date of Last Edit: 6/23

Project Number:	2022-422-05		
Project Title:	Septage Grit Removal		
Category:	Equipment		
Department:	Sewer	Contact:	William Branton
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

*Install a unit designed for screening grit, fats, oils, grease, rocks, and other debris and removing them from the septage waste stream.*

**Benefits of Project and Impact if Not Completed:**

*Equipment will allow for greater volume of septage to be recieved and treated at the facility and will dramatically reduce wear and tear on pumps and tanks.*

**Discuss Operating Budget Impact:**

*This unit will remove debris, grit, FOG, rocks, ect prior to it entering the tanks, eliminating the need for annual cleaning and disposal of the septage tanks and preserving the lifespan of the septage pumps, air lines, and tanks. This unit will also allow for septage to be offloaded at the treatment plant in a more streamlined fashion which will increase the department's ability to generate more revenue from septage disposal credits.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$10,000				\$10,000	
Land Acquisition	\$0					
Construction	\$20,000				\$20,000	
Equipment/Furnishings	\$200,000				\$200,000	
Contingency	\$23,000				\$23,000	
Other	\$0					
<b>TOTAL</b>	<b>\$253,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$253,000</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$253,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$253,000</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



## William Branton

---

**From:** Bill Montanaro Jr. <billjr@wescor1.net>  
**Sent:** Thursday, October 19, 2017 4:37 PM  
**To:** William Branton  
**Subject:** EnviroCare BEAST Septage Receiving  
**Attachments:** beast installation list Rev A.pdf; Enviro-Care\_SAVI\_Flo-Beast.pdf; Specification\_FSR Beast.docx; Wescor Line Card 10-12-17.pdf

Hi Will,

Thanks for your time on the phone today discussing your septage station at Scituate MA. As promised I am sending you some information on EnviroCare. The unit for you is the BEAST 120 which accept >600 GPM at 3-4% sludge. The system unit has a rotating drum screen and screw auger that run on separate drives. So we can speed the drum or auger up depending on what you have coming in. The BEAST uses perforations NOT bar racks so the capture rate of screenings is much higher than what you are used to currently. There is NO need for a rock trap or grinder with our unit. What goes into the BEAST comes out the top of the BEAST. This unit is also an expert at handling FOG.

I have attached some information with this email. The unit will accept pressurized septage so the trucks can get in and out of the facility quickly. It can also accept heavy loads, to include high solids concentration, rags, debris, and even rocks. We recently ran a Beast on Wheels demo throughout plants in New England in July with excellent results. You can use this link to view some results that we had at the NBC Lincoln RI septage receiving facility; <https://wescor.egnyte.com/fl/yHTWNxtDYt>. You will find photos and videos of the unit in operation at that facility.

There are many advantages to utilizing our unit in Danbury. Here are a few:

1. The BEAST operates effectively without the use of rock traps or grinders. Less maintenance for the end user. What goes in the front comes out the top.
2. The Model 1400 can offload 2 trucks at once and we can offer hauler stations for both sides.
3. The BEAST is an expert at handling heavy loads and FOG. The unit operates on level sensors typically, which opens and closes a pinch valve. Because of the volume of the unit and the nature of the rotating drum screen, we can handle a much higher flow than competitors. In FOG mode, the system runs constantly, running the screen and auger with continuous cleaning.
4. The BEAST can be used as a multi-function device. When you use vector trucks to clean out your pump stations and catch basins, you can simply unload them thru the beast to screen the load.
5. The BEAST accepts pressurized flow, moving your hauler trucks in and out of your facility more quickly and allowing you to accept more septage.
6. The BEAST hauler station uses a flowmeter to track the exact amount of gallons being unloaded from a truck.
7. The BEAST can use a pH sensor to monitor what is being unloaded by a hauler. Anything below 5 or above 11 can close the pinch valve and alert the main station of the infraction.
8. The BEAST can be located outside.

I was a little off on the pricing given to you over the phone. BUDGET on a NEW BEAST 1200 without hauler station but standard control panel with pinch valve is \$200K. Hauler station is an additional \$80,000.

If you would like more information or a presentation, please let me know and I would be happy to get more information in your hands. I have attached an installation and reference list with this email. The closest install is in Wanque, NJ currently but there is quite a bit of interest at this point in New England. If you are thinking of upgrading your system in the spring, this could be the solution for you!

I also represent a number of lines that you may be interested in which include odor control, positive displacement pumps, chemical feed equipment & analyzers, plate & frame presses, screw presses, conveyors, and self-leveling covers for dumpsters. I included a linecard with this email but you can also visit [www.WescorAssociatesInc.com](http://www.WescorAssociatesInc.com) for more info. Please feel free to call or email me at any time with further questions.

Best regards,

Bill Montanaro, Jr.



P: 508.384.8921 x4

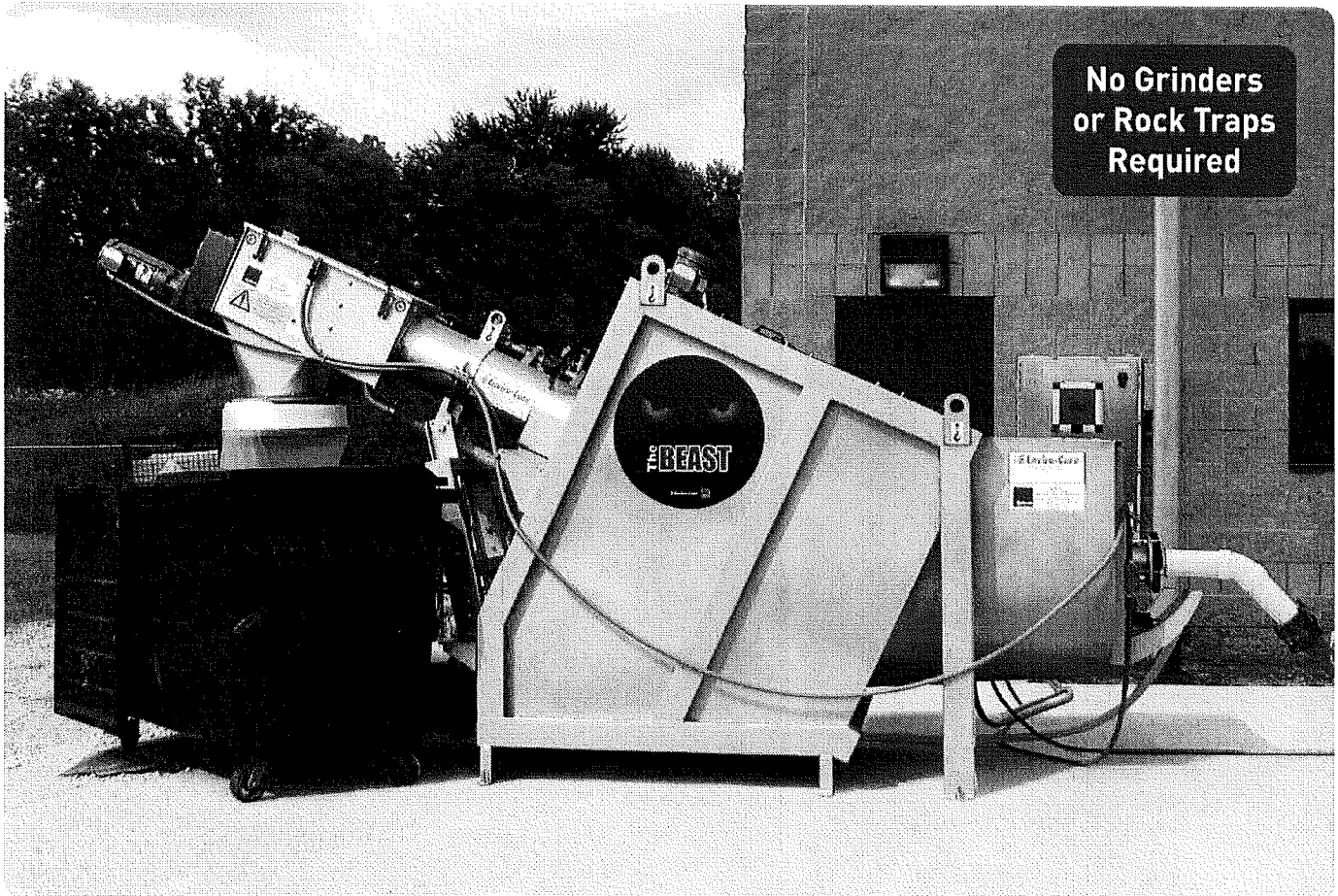
F: 508.384.8953

E: [BillJr@Wescor1.net](mailto:BillJr@Wescor1.net)

# Flo-Beast

For Septage, FOG & Sludge Screening  
VFA-DM

SAVI

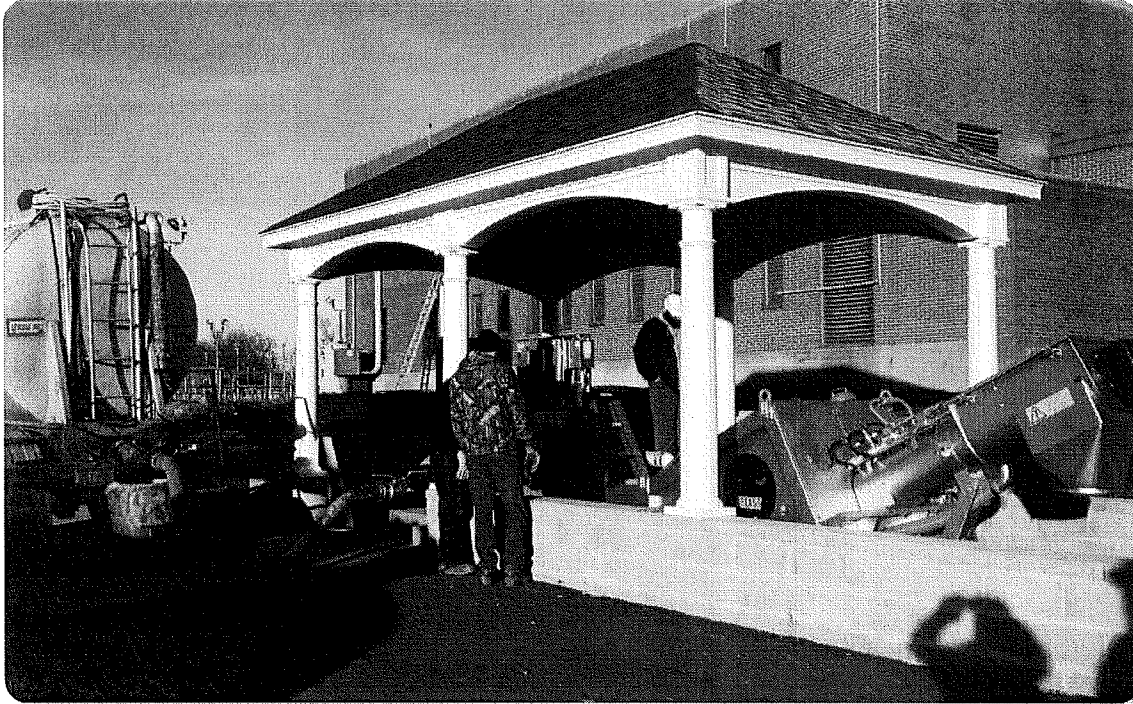


Patent Pending

# THE BEAST

**Flo-Beast VFA-DM** **THE BEAST**  
SAVI For Septage, FOG & Sludge Screening

## The Next Generation of Septage, FOG & Sludge Screening



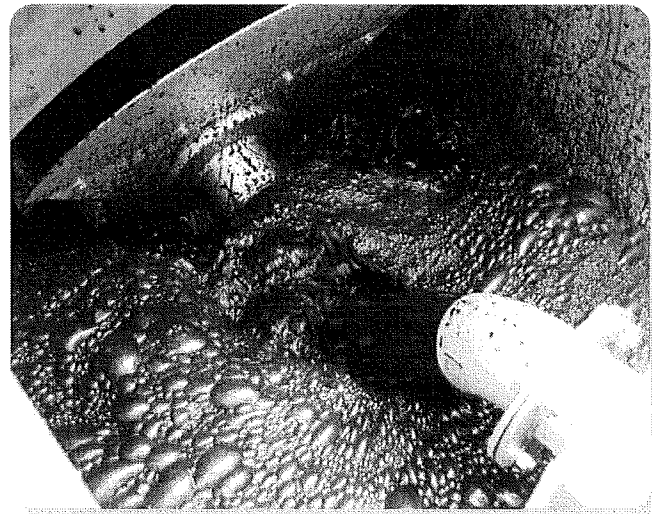
Screening septage or heavy sludge comes with a long list of problems. The two most commonly identified are the inability to handle the heavy solids, and long truck unloading times. These are the result of not having the proper equipment for the application. The Beast has been engineered specifically for septage and heavy solids loading applications.

**Unique Tank Design.** Standard tank designs promote solids sedimentation. The Beast has a two-stage tank with a curved, sloped inlet section so septage is directed into the screen cylinder. The hopper trough extends beyond the cylinder opening which reduces screenings recycle. The drive configuration on the screen cylinder eliminates support arms and solves the ragging problem.

**Dual Drive System.** This feature enables the screen basket and auger to operate independently. The speed of the auger is increased to provide faster solids removal while the speed of the screen basket is decreased to improve screening efficiency.

**Angle of Inclination.** The drum screen component sits at a 25° angle inside the tank which promotes increased capture and transport of solids for faster unloading.

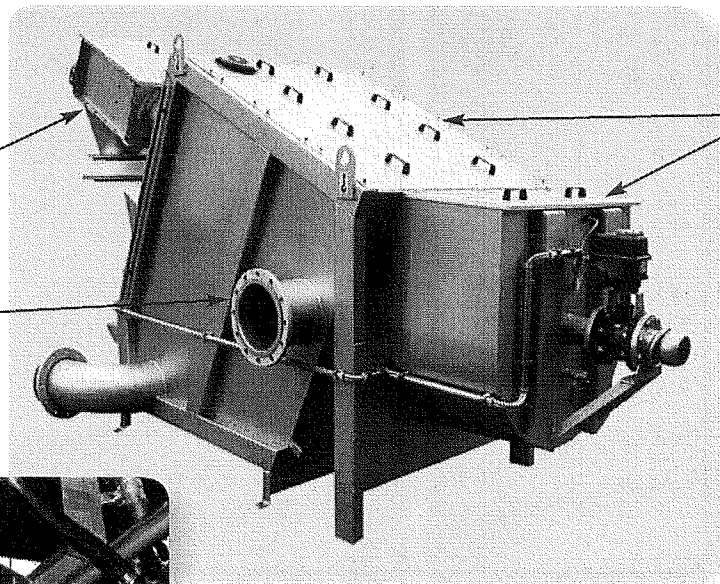
**Sequence of Operation.** As septage enters the tank, the short, narrow inlet directs the septage into the rotating screen drum. As the screen rotates, solids are captured on flights or scoops that carry the solids around the drum and deposit them into the auger trough.



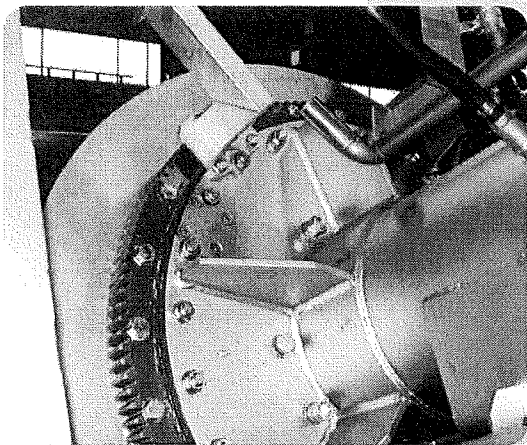
From the trough, solids are conveyed by the auger into the washing zone and then to dewatering. The percent of dryness achieved is dependent upon the solids concentration at the influent and the type of solids being dewatered.

Angle of inclination is 25°

Optional Integral Overflow Pipe

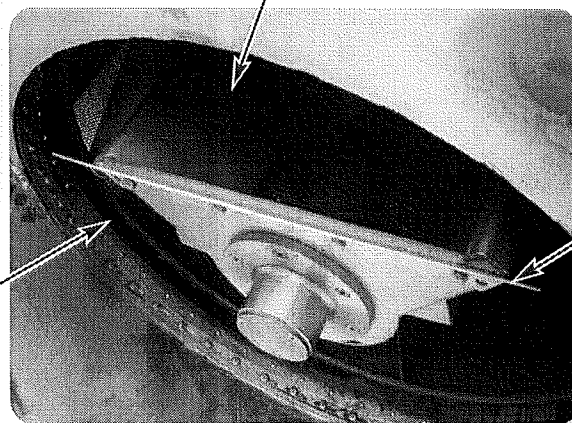


Two-stage tank design narrows the inlet



Heavy duty industrial bearing assembly

Dual seal on the screen cylinder



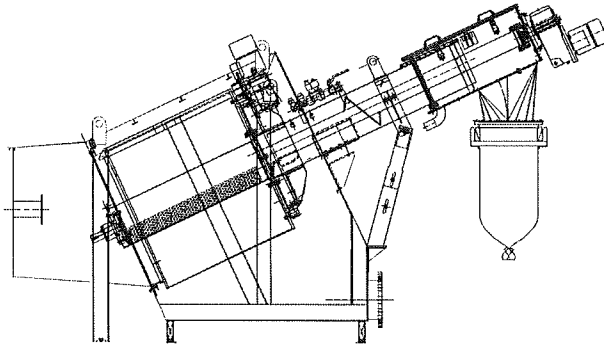
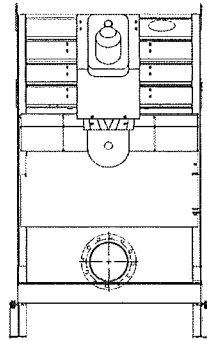
No support arms on the influent side of the screen drum

Trough extends beyond the screen opening

## Features & Benefits

- 1 Engineered for large septage screening applications and high solids loadings - Each feature solves a specific problem associated with these applications.
- 2 Proven Flo-Drum technology - Over 200 installations worldwide.
- 3 Dual drive system - Drum and auger are driven independently to optimize solids removal.
- 4 Screen is mounted using a large diameter, single row, heavy duty industrial bearing assembly with a built in grease fitting - Better resistance to axial and radial loading with fewer maintenance points.
- 5 Two-stage tank design narrows the inlet - Solids are fed directly into the screen basket which prevents sedimentation.
- 6 The auger is run at a faster speed - Removes material more quickly.
- 7 The screen cylinder is run at a slower speed - Produces better solids capture and cleaning of the screen.
- 8 Dual seal on the screen cylinder - Prevents bypass and improves capture rate to 65%.
- 9 Angle of inclination is 25° - Screen handles more solids and removes them faster.
- 10 Trough extends beyond the screen opening - Reduces screenings recycle by preventing solids from dropping out of the front of the screen basket.
- 11 No support arms on the influent side of the screen drum - Nothing to snag and accumulate long stringy solids.
- 12 Eliminates brushes inside the screen basket - Less extrusion and manipulation of the screenings for better capture and less maintenance.
- 13 Additional monitoring options and security access may be added - Controls can be as basic or as sophisticated as required.
- 14 Optional bagger is available - Maintains a cleaner screenings area.





## Specifications

<b>Drum Screen OD</b>	mm	1000	1200	1400
<b>Capacity</b> (based on 3-4% solids content)	gpm	525	650	875
<b>Screen media</b>		Perforated plate		
<b>Openings</b>	mm	6		
<b>Angle of inclination</b>		25°		
<b>Wash water pressure</b>	bar	5 - 8		
<b>Drive motor - Drum Screen</b>	Hp	2	2	2
<b>Drive motor - Shafted Screw</b>	Hp	2	2	2
<b>Controls</b>		NEMA 4X or NEMA 7		
<b>Voltage</b>	V/P/H	240-480/3/60		

## Materials of Construction

<b>Screen media</b>	AISI 304 SS (316 Optional)
<b>Transport tube</b>	AISI 304 SS (316 Optional)
<b>Shafted screw</b>	High Strength Alloy Steel (304/316 SS Optional)
<b>Tank, piping, supports, end plates</b>	AISI 304 SS (316 Optional)
<b>Fasteners</b>	AISI 304 SS (316 Optional)



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-450-3		
Project Title:	Replace Water Mains or Clean & Line		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ X ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Proactively clean and line or replace the oldest and/or most problematic water mains in town. New Ductile Iron water mains have an expected useful life of 75+ years. With 124 miles of water main in the ground replacing just one mile per year will take 124 years to replace entire system.

Benefits of Project and Impact if Not Completed:

Replacing smaller quantities of water main each year can avoid costly larger projects and the disruptions they can cause. This will improve water quality and reduce the number of leaks resulting in cost savings to the town. Replacing smaller diameter water mains with larger ones also increases fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$1,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	
Operating Budget Impact							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2022-450-2	
Project Title:	10 Year Meter Replacement Program	
Category:	Equipment	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [X]      Resubmission [ ]

                         Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Ten year meter replacement program is to replace old and damaged meters that are not capturing all water usage. Replacements are e-coder (transmitter) radio read meters. They are more accurate and store 99 days of water usage history. This is helpful in diagnosing high water bill complaints.

**Benefits of Project and Impact if Not Completed:**

Replacement of the old water meters with intergrated e-coder meters benefits the consumer as well as the town. The new meters are more accurate, do not require a touch pad on the outside of the home, can store past usage data, and are less labor intensive. The e-coders drastically reduce time spent installing as well as reading meters.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$175,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$875,000	\$0	\$175,000	\$175,000	\$175,000	\$175,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$875,000	\$0	\$175,000	\$175,000	\$175,000	\$175,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11-9-16

Date of Last Edit: 10-12-17\_

Project Number:	FY 2022-298-01		
Project Title:	Replacement of Docks and Electrical on docks Cole Parkway Marina		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone
Project is:	NEW [ ]	Recurring [ ]	Resubmission [ X ]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

The request is for the replacement of Docks , Power Pedestals and Wiring At Cole Parkway Marina The docks of been in service for quite some time and are showing their age, there is rot in the wood and the years of pulling them in and out of the water have affected their integrity. It would make sense for us to replace the floats now and try to sell off the docks to a private marina or to another municipality while they are still in somewhat saleable condition. This way we could capture the funds from the sale of the docks and put it back into the enterprise fund. Also replace the wiring on the docks along with the pedestals

**Benefits of Project and Impact if Not Completed:**

The replacement docks would be made of a composite decking material which would hold up better and last longer than the existing all wood docks, the existing docks have wood rot in different areas and are in need of attention, Also the wood decking is splitting from the years of abuse, The decking is extremely costly to replace. The wiring is getting beat up and showing it's age . The pedestals have been damaged over the years are in tough shape and in need of replacement.

**Discuss Operating Budget Impact:**

There will be costs incurred which will impact the budget, maintaining and replacing rotted boards and decking on the existing floats, also as the decks get older they would be much more difficult to sell and less valuable to other marinas. increased cost due to condition and repairs to the electrical system.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2018	FY2019	FY2020	FY2021	FY2022
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$1,000,000					\$250,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**MEECO  
SULLIVAN**  
THE MARINA COMPANY

November 10, 2016

Cole Parkway Marina  
Town of Scituate  
Scituate, MA

**BUDGET ESTIMATE**

*System Type: Heavy duty Sullfloat system- with 2" x 6" Moisture Shield Composite Decking*

Main Walkways:

- (6) 16' x 20' Hinged sections
- (8) 7' x 22' Hinged sections
- (50) 7' x 20' Hinged sections

Fingers

- (4) 3' x 20' with C-Channel tracks
- (97) 2' x 20' with C-Channel tracks

Total for docks delivered, off-loaded and installed by others \$574,046.00

Options:

1. Engineered stamped drawings: \$5,000.00 for docks. \$5,000.00 for gangway.
2. (1) 5' x 80' ADA aluminum gangway \$44,608.00 delivered

*Note: All above pricing does not include any applicable state or local tax.*



**MEECO  
SULLIVAN**  
THE MARINA COMPANY

PRICE INCLUDES:

- Freight to site, purchaser provides off-loading
- All docks delivered complete and ready for installation
- Vinyl dock bumper - white/black
- 12" Galvanized mooring cleats and attachment hardware ( ) per boat
- Chain and roller/plate and eyebolt type pile guides
- 3/4" x 6" Eyebolts for anchoring
- Utility access panels- full width – 12' on center
- High impact resistant polyethylene floats with foam core – 12" in height
- .60 CCA pressure treatment in wood framing
- Stainless steel deck screws, #10 x 3"
- 2" x 6" Moisture shield composite decking
- Recycled grey plastic decking
- Mechanically laminated side beams
- Anti-torsion truss system throughout

Payment Schedule

Town Purchase Order with total due 30 days after delivery

Respectfully Submitted by:  
Meeco Sullivan, LLC.

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Robert Sullivan  
Vice President

Matt Beechinor  
Sales Representative

P.O. Box 639 • 3 Chancellor Lane • Warwick, NY 10990  
845-986-7377 • F 845-986-8531 • meecosullivan.com

Town of Scituate  
 Capital Plan  
 Criteria Points-Summary  
 Sorted by Year, Fund & Department

12/17/2017; 1:08 PM

Total	Project	Department	Year	Fund	Request	Est. Cost Total	CRITERIA					SCORE					Comment	
							A	B	C	D	E	F	A	B	C	D		E
39	MS4 Compliance	DPW - Engineering	2023	GF	\$ 50,000	\$ 50,000	1	4	1	2	4	1	4	16	3	6	8	2
50	Foreshore Protection	DPW - Foreshore Protection	2023	GF	\$ 200,000	\$ 200,000	1	2	5	3	4	3	4	8	15	9	8	6
64	Road & Sidewalk Improvements	DPW - Highway	2023	GF	\$ 200,000	\$ 200,000	3	2	5	5	4	3	12	8	15	15	8	6
41	School Technology	School	2023	GF	\$ 100,000	\$ 100,000	1	2	2	3	4	3	4	8	6	9	8	6
39	Jenkins School Roof Replacement-Constructn	School	2023	GF	\$ 210,000	\$ 210,000	1	2	4	3	0	3	4	8	12	9	0	6
39	Replace Hatherly School Univalentators	School	2023	GF	\$ 550,000	\$ 550,000	1	2	4	3	0	3	4	8	12	9	0	6
39	Capital Lease of School Buses-Buyout	School	2023	GF	\$ 228,000	\$ 228,000	1	2	3	4	0	3	4	8	9	12	0	6
39	Renovate Wampatuck School Teachers Room	School	2023	GF	\$ 40,000	\$ 40,000	1	2	4	3	0	3	4	8	12	9	0	6
39	Renovate Wampatuck School Kitchen	School	2023	GF	\$ 390,000	\$ 390,000	1	2	4	3	0	3	4	8	12	9	0	6
72	Infiltration/Inflow	Sewer	2023	S	\$ 4,600,000	\$ 4,600,000	5	4	5	3	4	2	20	16	15	9	8	4
63	Expand Sewer Phase North Scituate	Sewer	2023	S	\$ 12,000,000	\$ 12,000,000	5	3	5	2	4	1	20	12	15	6	8	2
67	Redevelopment of Public Wells	Water	2023	W	\$ 50,000	\$ 50,000	5	3	4	3	2	5	20	12	12	9	4	10
63	Clean & Line Water Mains	Water	2023	W	\$ 1,000,000	\$ 1,000,000	5	2	4	3	4	3	20	8	12	9	8	6
61	Expanding Water Plant Filter - Construction	Water	2023	W	\$ 1,100,000	\$ 1,100,000	5	2	4	3	2	4	20	8	12	9	4	8
59	Emergency Generator at Well #10	Water	2023	W	\$ 110,000	\$ 110,000	5	2	4	3	3	2	20	8	12	9	6	4
56	Well #19 Chemical Upgrades	Water	2023	W	\$ 150,000	\$ 150,000	5	3	3	3	0	3	20	12	9	9	0	6
30	Replace #39 2009 Chevy Silverado Pick-up	Water	2023	W	\$ 53,000	\$ 53,000	5	0	1	1	0	2	20	0	3	3	0	4
54	10 Yr Meter replacement cycle program	Water	2023	W	\$ 175,000	\$ 175,000	5	2	1	3	4	3	20	8	3	9	8	6
44	Re-power Unit #1	Waterways	2023	WW	\$ 43,000	\$ 43,000	5	2	1	3	0	2	20	8	3	9	0	4
44	Re-power Unit #2	Waterways	2023	WW	\$ 43,000	\$ 43,000	5	2	1	3	0	2	20	8	3	9	0	4
<b>Total FY23</b>					<b>\$</b>	<b>21,292,000</b>												





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-411-2	
Project Title:	MS-4	
Category:	Study	
Department:	DPW	Contact: Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ ]    Resubmission [ ]

Multiyear [x]    Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for MS-4 environmental requirements.*

**Benefits of Project and Impact if Not Completed:**

*Mandatory state and federal requirements for stormwater management by municipalities.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$50,000					\$50,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

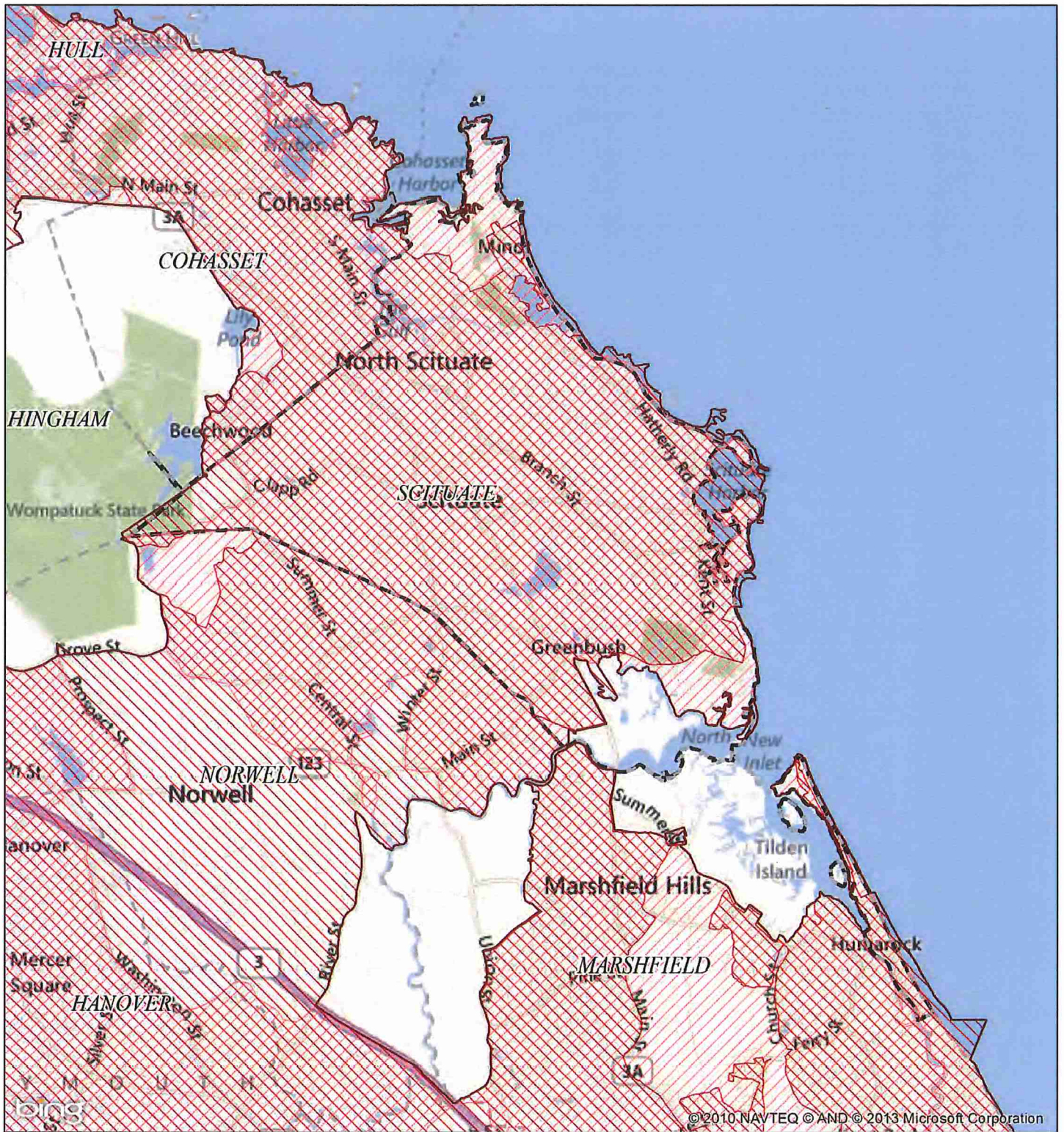
Recreation

Historical

Housing

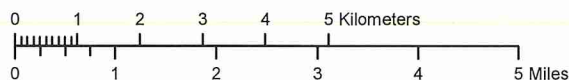
**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



NPDES Phase II Stormwater Program  
 Automatically Designated MS4 Areas  
**Scituate MA**

Regulated Area:



Town Population: **17654**  
 Regulated Population: **17353**  
 (Populations estimated from 2010 Census)



Urbanized Areas, Town Boundaries:  
 US Census (2000, 2010)  
 Base map © 2013 Microsoft Corporation  
 and its data suppliers



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-411-1		
Project Title:	Foreshore Protection		
Category:	Construction & Study/Design		
Department:	DPW	Contact:	Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

*To provide funding for foreshore protection projects including repairs to seawalls, design of new foreshore projects and town share match for foreshore grants.*

**Benefits of Project and Impact if Not Completed:**

*To have available funds to make repairs, move forward with studies and perform engineering and design on new projects.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$100,000					\$100,000
Land Acquisition	\$0					
Construction	\$100,000					\$100,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-422-01		
Project Title:	Roads and Sidewalk Improvements		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ X ]      Resubmission [ ]

Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

Funds are used to supplement Chapter 90 state funds to make improvements to the roadways and sidewalks.

**Benefits of Project and Impact if Not Completed:**

The Town is benefitted by the additional funds because we can do more paving and make accessibility improvements. These funds are used in conjunction with the water project to repair the roads (fullwidth) and replace sidewalks where they are in dire need.

These funds can also be used to make handicap accessibility improvements.

**Discuss Operating Budget Impact:**

The request is for \$200,000 to the 2023 capital project.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$200,000					\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 11/10/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-300-6		
Project Title:	School Technology		
Category:	Equipment		
Department:	School	Contact:	School Superintendent

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ x ]      Resubmission [ ]

                    Multiyear [ ]      Phase \_\_\_ of \_\_\_

**Description:**

*Upgrade school technology to support educational curriculum.*

**Benefits of Project and Impact if Not Completed:**

*To maintain and enhance current technology options in school system.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$100,000					\$100,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: \_10/30/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-300---		
Project Title:	Hatherly Univalentors		
Category:			
Department:	School - Hatherly	Contact:	Paul Donlan
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

Replace approximately 23 existing unit ventilators that serve classrooms and other spaces. These units are over 30 years old and have many issues such as replacing dampers, valves and fans. New units will be roughly same dimensions. This upgrade will provide new reliable equipment that will save energy and significantly lower operating and maintenance costs.

**Benefits of Project and Impact if Not Completed:**

These units will provide heat and proper ventilation for each classroom. Typical classroom is served by one unit ventilator located along the perimeter wall and near windows. A number of UV's are not working properly due to control problems or failed valves creating comfort issues for teachers and students. Although we can and will fix these units they are past their useful life.

**Discuss Operating Budget Impact:**

Maintenance has become a big issue as parts are hard to come by with these units. We can fix some of the issues that arise but we do have to call on outside vendors (CBS) to come in and overhaul these units. Inefficient and use too much energy in their present condition.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$50,000					\$50,000
Land Acquisition	\$0					
Construction	\$100,000					\$100,000
Equipment/Furnishings	\$400,000					\$400,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					







TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/30/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-300---
Project Title:	Teachers Room
Category:	Building Renovation
Department:	School - Wampatuck
Contact:	Paul Donlan

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [  ]      Resubmission [  ]

                         Multiyear [  ]      Phase \_\_\_ of \_\_\_

Description:

Room needs electrical upgrade, replacement of ceiling, floors and plumbing.

Benefits of Project and Impact if Not Completed:

*This is the Teachers Room where they eat their lunch, have meetings and collaborate.*

Discuss Operating Budget Impact:

Hasn't been updated in 20 plus years.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$40,000					\$40,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$40,000	\$0	\$0	\$0	\$0	\$40,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$40,000	\$0	\$0	\$0	\$0	\$40,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/30/17\_

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-300---		
Project Title:	Kitchen Redesign of		
Category:	Building Renovation		
Department:	School- Wampatuck	Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring [  ]    Resubmission [  ]

Multiyear [  ]    Phase \_\_\_ of \_\_\_

**Description:**

Complete redesign of the kitchen area. We would need to replace the freezer, dishwasher, stoves and serving area. We need to redo the bathroom and office area in the kitchen. Also the storage area needs to be replaced.

**Benefits of Project and Impact if Not Completed:**

Efficiencies and better organization of our Lunch Program.

**Discuss Operating Budget Impact:**

Savings on continued upkeep of our freezer, plumbing and drains.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$40,000					\$40,000
Land Acquisition	\$0					
Construction	\$350,000					\$350,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$390,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$390,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$390,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$390,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-24-17 Date of Last Edit: 10-24-17

Project Number:	2023-422-04
Project Title:	I/I Reduction
Category:	Repair and Maintenance
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New        Recurring        Resubmission   

Multiyear        Phase \_\_\_ of \_\_\_

**Description:**

*To provide financing for various projects to reduce inflow and infiltration in the collection system. It is a legal requirement that our department makes a continued effort and commitment to reduce I/I. The amount requested for FY 23 will be to replace and repair sections of the collection system identified in area 1-1*

**Benefits of Project and Impact if Not Completed:**

*Preserve and extend the life of our collection system, reduce operational costs to the pump stations and main facility, and allows for additional homes to be connected to sewer by preserving our outfall permitted flows limit. If I/I projects are not completed the capacity at the treatment plant will be limited by inflow and infiltration flows.*

**Discuss Operating Budget Impact:**

*Reducing Inflow and infiltration will allow the department to waste less energy pumping and treating water that does not belong in the collection system. It will also allow increased capacity at the facilities which will lead to more properties being able to connect to the sewer system and support our budget through connection fees and arterly service credits.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$115,000					\$115,000
Land Acquisition	\$0					
Construction	\$4,485,000					\$4,485,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$4,600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,600,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$4,600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,600,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2,2 3-1, 7-1 and 8-1 were not recommended for further inspection.
2. I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
3. High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
4. Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
5. Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
6. Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
7. High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.

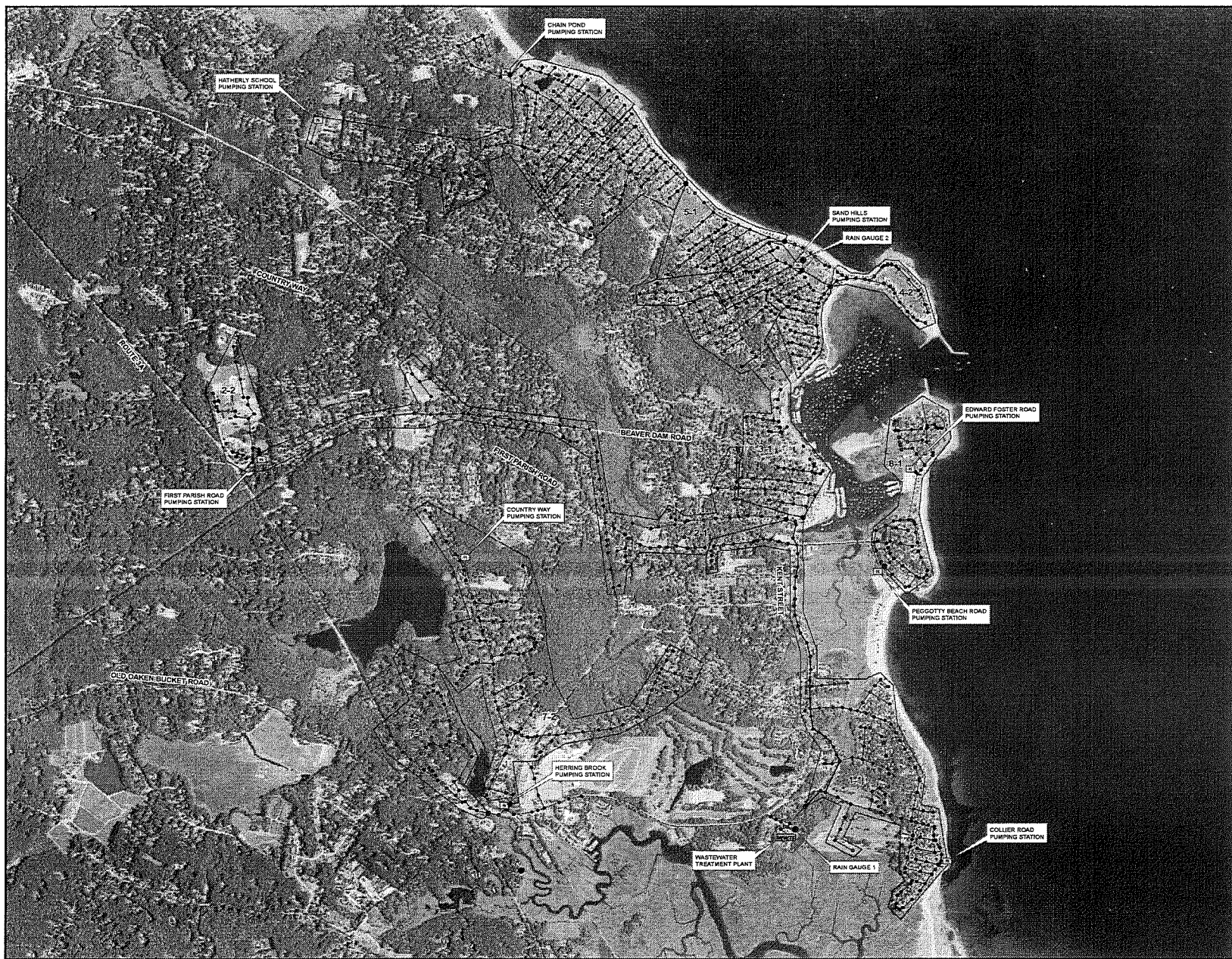
**TABLE 5**  
**TOWN OF SCITUATE**  
**FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO**  
**OPTION 1 - COST SUMMARY**



# Town of Scituate Massachusetts

## Figure 1 Flow Meter Plan

Updated:  
July 2016

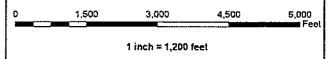


### Legend

- Meter Station
- Rain Gauge
- Wastewater Treatment Plant
- Pumping Station
- Sewer Manhole
- Force Main

### Sewer Main

- 8 inch
- 10 inch
- 12 inch
- 14 inch
- 15 inch
- 18 inch
- 24 inch
- 27 inch
- 30 inch
- 36 inch
- Sub Area



**CDM  
Smith**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 6/24/17

Date of Last Edit: 6/24

Project Number:	2023-422-4		
Project Title:	Add to Collection System for Phased expansion		
Category:			
Department:	DPW Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New        Recurring     Resubmission

Multiyear     Phase \_\_\_ of \_\_\_

**Description:**

Sewer expansion project to tie North Scituate into the collection system.

**Benefits of Project and Impact if Not Completed:**

The Town has been interested in expanding the sewer system. This tie in would allow for new revenue to be generated.

**Discuss Operating Budget Impact:**

This would be a large project, the result of which would generate revenue for upgrades to the Sewer System.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$50,000					\$50,000
Land Acquisition	\$0					
Construction	\$11,950,000					\$11,950,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$12,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000,000</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$12,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000,000</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				

- 5.1 MILES OF MAIN @ \$200 PER FT. = \$ 5,385,600
- 500 LATERAL STUBS @ \$200 PER FT. = \$ 100,000
- PUMP STATION = \$ 650,000
- INSPECTION OF 3,800' OF SEWER MAIN UNDER  $\text{\textcircled{1}}$  (CAMERA & VACUUM) = \$ 1200
- TOTAL COST = \$ 6,136,800

**Chain Pond Wastewater Pump Station**  
**Construction Estimate**  
**January 2015**

Item #	Description	Estimated Quantity	Unit Price (\$)	Cost
1	Package Pump Station Complete delivered to site	1 ea	\$155,500	\$155,500
2	Contractor mark up (50%)	1s	\$77,750	\$77,750
3	Temp sheeting & bracing	42 tons	\$1,100	\$46,200
4	Excavation	300 cy	\$40	\$12,000
5	Dewatering	1 1s	\$30,000	\$30,000
6	Install station components Connect to exist gravity sewer & forcemain	1 1s	\$45,000	\$45,000
7	Construct new electrical/ control connections	1 1s	\$15,000	\$15,000
8	Handling existing flow (Temporary Bypass)	1 1s	\$15,000	\$15,000
9	10" Sewer >12 ft deep	110 ft	\$100	\$11,000
10	4' Sewer Manhole	12 vert ft	\$175	\$2,100
11	6 ft Chain Link Fence	240 ft	\$40	\$9,600
12	Demolition -Remove & dispose CLF and exist pavement, abandon exist fiberglass station substructure, remove exist equipment, abandon wetwell, valve pit & CLF	1 1s	\$25,000	\$25,000
13	Bituminous concrete pavement	60 tons	\$120	\$7,200
14	Rehabilitate existing building per Weston & Sampson estimate March 2010	1 1s	\$92,025	\$92,095
			Subtotal:	\$543,445
16	Engineering Design & Const Services			\$50,000
17	Contingency @5%			\$29,672.25
	<b>TOTAL ESTIMATED COST</b>			<b>\$623,117.25</b>



March 11, 2015

Mr. Kevin Cafferty  
Acting DPW Director  
Town of Scituate  
600 Chief Justice Cushing Way  
Scituate, MA 02066

**Re: Wastewater Collection System Phasing Update**

Dear Mr. Cafferty:

Following up on our recent discussion, Weston & Sampson Engineers, Inc. proposes to provide wastewater planning services in accordance with your request to re-evaluate the proposed phasing of the remaining areas of the Sewer Expansion Program (Phases 4 through 6) and establish a recommended course of action to complete the Program and meet the established wastewater needs and regulatory requirements facing the Town of Scituate.

**PROJECT BACKGROUND**

The town of Scituate has been evaluating wastewater management needs and options since the 1950's. In 1977 the Scituate Sewer Study Committee issued a report that established 40 study districts within the community, based on proposed sewer lines and pumping station locations, and evaluated each district. The committee identified nine districts as priority districts. Since all of these nine districts could not be sewered without expanding the treatment plant, the report developed short-range planning recommendations for sewerage within the limits of the plant capacity. Subsequent reports prepared in 1977 and 1978 evaluated the districts and identified five districts as high priority areas in need of sewers.

In 1995, the Final Facilities Plan and Environmental Impact Report (EIR) for Wastewater Management and the Supplemental Final Environmental Impact Report (SFEIR) evaluated each study district. In May 1996, the Secretary of Environmental Affairs determined that the SFEIR was in full compliance with the Massachusetts Environmental Policy Act (MEPA). In 1996, the Town prepared a Growth and Connection Control Plan to assure that the capacity of the wastewater treatment plant was not exceeded. In January 2000, the town of Scituate commenced work on a 12-phase Rehabilitation Program intended to reduce infiltration and inflow (I/I) in the existing sewer system.

Most recently, in March 2001, the Town completed a Sewer Expansion Study that evaluated and ranked each sewer district based on lot size, soil suitability and groundwater evaluation. This study indicated that thirteen districts were in need of sewers and grouped them into six general areas or phases, as follows:

- Phase I - Greenbush/Reservoir (Districts 23 and 28)
- Phase II - The Cliffs (Districts 30, 31, 32 and 33)
- Phase III - Musquashcut Pond (District 1A)
- Phase IV - Front Street (District 24 and 25)

- Phase V - North Scituate (Districts 3, 6 and 10)
- Phase VI - Minot (District 1)

## **SCOPE OF SERVICES**

The proposed scope of services with regard to re-evaluation of the current sewer phasing plan is separated into the following general tasks:

- Task 1 – Kick-off Meeting
- Task 2 – Review & Summarize Previous Planning Efforts
- Task 3 – Provide Updated Mapping of Collection System
- Task 4 – Update Wastewater Treatment Facility Flows & Establish Future Flow Requirements
- Task 5 – Establish Massachusetts Environmental Policy Act (MEPA) Requirements
- Task 6 – Update Needs Analysis & Recommended Phasing for Remaining Areas
- Task 7 – Project Summary Report

### Task 1: Kick-off Meeting

The first task will be to conduct a “kick-off” meeting involving all of the individuals with the Town of Scituate that will have involvement in, or input to, the project. Efficient coordination with multiple entities will be a key element of the study effort. This kick-off meeting will provide an opportunity to 1) establish the primary lines of communication with the Town of Scituate; 2) establish goals and expectations for the project; and 3) compile all available data and plans relevant to the project.

### Task 2: Review & Summarize Previous Planning Efforts

Review and summarize collection system planning studies performed to date, including but not limited to documents detailed above in the Project Background.

### Task 3: Provide Updated Mapping of Collection System

The Town of Scituate Wastewater Collection System Expansion Project figure, prepared by Weston & Sampson Engineers and dated November 2013, shall be reviewed and updated to show the most up to date collection system installed within the town, including the MBTA Greenbush Line sewers.

### Task 4: Update Wastewater Treatment Facility Flows & Establish Future Flow Requirements

Determine the current wastewater flows at the Wastewater Treatment Facility (WWTF), including an update on recent Infiltration/Inflow (I/I) removal efforts. Flow requirements for the remaining phases in need of sewers shall also be established as part of this task.

### Task 5: Establish Massachusetts Environmental Policy Act (MEPA) Requirements

Determine the effort that will be required to bring remaining phases in need of sewers into full compliance with the Massachusetts Environmental Policy Act (MEPA) Office, where applicable. This task will also involve determining the role of the Department of Environmental Protection (DEP) in the MEPA approval process.

### Task 6: Update Needs Analysis & Recommended Phasing for Remaining Areas

Assess and update evaluation criteria that may have changed since previous studies were completed, such as recently installed sewers and septic system failures and/or pumpings. Upon review of the updated evaluation criteria, provide an updated recommendation for sewerage of the remaining phases/areas previously identified.

### Task 7: Project Summary Report

Prepare a Project Summary Report, which will document all information compiled during the study effort,

Mr. Kevin Cafferty  
3/11/2015  
Page 3

providing technical viability and cost effectiveness of the various options investigated, including recommendations.

### **RESPONSIBILITIES OF THE OWNER**

The OWNER will assist the ENGINEER by placing at the disposal of the ENGINEER, all available information pertinent to the project including previous reports and any other data relative to the project.

### **SCHEDULE OF WORK**

We will commence work on this project within ten (10) days of receipt of an executed Agreement and notice to proceed.

The following project milestones are anticipated:

Executed Agreement/Notice to Proceed	<b>April 3, 2015</b>
Kick-Off Meeting	<b>April 9, 2015</b>
Deliver Draft Project Summary Report	<b>June 5, 2015</b>
Deliver Final Project Summary Report	<b>June 25, 2015</b>

### **TERMS OF PAYMENT**

The OWNER agrees to pay the ENGINEER the lump sum fee of \$23,000 for the Scope of Services described herein.

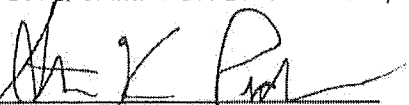
Fees shall be billed monthly as they accrue based upon the services performed as a percent of the total lump sum fee. The OWNER agrees to make payment to the ENGINEER within thirty (30) days of the invoice date.

The ENGINEER'S services will be provided as described herein and in accordance with the attached Terms and Conditions, which are part of our Agreement with you. If you agree with this proposal and wish to retain us to provide the proposed services, please sign and return one copy of this proposal to us as authorization to proceed with performance of the services, and please initial and date the enclosed Terms and Conditions.

We are pleased to submit this offering and look forward to working with you on this project. If you have any questions on this matter, please contact me.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.



Steven K. Pedersen, P.E.  
Senior Associate





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-450-6		
Project Title:	Replace Water Mains or Clean & Line		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ X ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Proactively clean and line or replace the oldest and/or most problematic water mains in town. New Ductile Iron water mains have an expected useful life of 75+ years. With 124 miles of water main in the ground replacing just one mile per year will take 124 years to replace entire system.

Benefits of Project and Impact if Not Completed:

Replacing smaller quantities of water main each year can avoid costly larger projects and the disruptions they can cause. This will improve water quality and reduce the number of leaks resulting in cost savings to the town. Replacing smaller diameter water mains with larger ones also increases fire protection.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$1,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$5,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2023-450-2	
Project Title:	Expand Water Plant Filtration	
Category:	Construction	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

Description:

The Water Treatment Plant Carbon Filter removes taste and odor from our surface water. Design phase for an additional Carbon Filter was approved FY2017.  
Construction phase of an additional Carbon Filter.

Benefits of Project and Impact if Not Completed:

The original single-carbon filter currently in place has no backup in times of failure. The second carbon filter is also necessary to isolate and properly clean (backwash) the primary carbon filter.

Discuss Operating Budget Impact:

The operating budget impact of an additional carbon filter is \$1,100,000.00 from the Water Enterprise Fund.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$1,100,000					\$1,100,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

CPA Purpose(s)  
Check all that apply

- Open Space
- Recreation
- Historical
- Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## WATER DEPARTMENT CAPITAL PLANNING

---

Location: Filtration plant

Project description: Add second (redundant) filter bed

Description: Scituate's water supply is derived from surface and groundwater sources and comprises six (6) wells and a filtration plant. In the past normal operation was to utilize the wells as the primary source and supplement peak summer demand and fire flows with the filtration plant.

Good engineering practice requires two identical filters-one active and one reserve be built into a filtration plant. The intent is to allow alternation between active and reserve filters as required allowing for maintenance without loss of output capacity. However, Scituate's filtration plant was designed and constructed with a single filter (no redundancy) since it was designed simply as a backup system for the wells.

Justification: The filtration plant is in good shape and is anticipated to meet the town's needs for the foreseeable future (20+ year planning horizon). Whereas, two wells are now compromised by unacceptable levels of iron and manganese the well system is no longer capable of meeting demand if one well is out of service, normal operation has changed and the filtration plant is now relied upon year-round to make up for short falls in the well system.

Therefore the plant is now a vital component of the town's water supply and in accordance a DEP mandate and good engineering practice a second redundant filter is necessary.

- Design and permitting, estimated at \$80,000 must commence immediately and is included in FY17.
- Construction, estimated at \$1,100,000 is included in FY18.
- This project would benefit from but not necessarily be dependent upon implementation of other identified capital improvement projects including, 1) Reservoir dredging beginning with Old Oaken Bucket Pond and 2) raising elevation and storage capacity of the reservoir to increase safe yield of the town's terminal reservoir system.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.23.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-450-4		
Project Title:	New Emergency Generator at Well 10		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty
Project is:	New [ ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Description:

To date, natural gas-powered back-up generators have been installed at two of our wells: Well # 19 and Well # 22. Funding for a third generator for Well 18 was previously approved and is in process. The scope of the project includes installation of natural gas service, transfer switches, and a new generator at the station.

Benefits of Project and Impact if Not Completed:

More than half of Scituate's potable water supply comes from our wells which operate 24 hours a day, 265 days a year. A new generator would help provide the ability to supply drinking water and fire protection during prolonged power outages.

Discuss Operating Budget Impact:

The operating budget impact of this project will be \$110,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$110,000					\$110,000	<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$110,000	\$0	\$0	\$0	\$0	\$110,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$110,000	\$0	\$0	\$0	\$0	\$110,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10.23.17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-450-3		
Project Title:	Well 19 Chemical Upgrades		
Category:	Construction		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty
Project is:	New [ X ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Description:

The chemical feed system at Station 19 is 20 years old and in very poor condition. This includes the bulk chemical feed tank, day tank, piping, and containment area. The containment system to hold the chemical in case of a spill is failing. The average life of a bulk chemical tank is 15 years.

Properly installed new bulk tanks should last 15-20 years. A new containment system will eliminate the chance of a future chemical spill.

Benefits of Project and Impact if Not Completed:

This project will enhance safety at Station 19 as well as eliminating any leaks between the bulk tank and the day tank. It will also greatly reduce the chance of a chemical spill.

Discuss Operating Budget Impact:

The operating budget impact of this project will be \$150,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$150,000					\$150,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$150,000	\$0	\$0	\$0	\$0	\$150,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$150,000	\$0	\$0	\$0	\$0	\$150,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

Capital Improvement Program: FY2019 - FY2023

Date submitted: 10/23/17

Date of Last Edit:

Project Number:	2023-450-1	
Project Title:	Replace Truck 39	
Category:	Equipment	
Department:	Water	Contact: Sean Anderson/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New [ ] Recurring [ ] Resubmission [ ]

Multiyear [ ] Phase \_\_\_ of \_\_\_

Description:

Replace 2009 Chevy Silverado pick-up, truck 39, with new 4x4 Utility Body Truck with snow plow.

The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck 38 has been in service for 14 years and has accumulated 129,134 miles.

Benefits of Project and Impact if Not Completed:

This truck must be replaced as it is used daily in the field to carry tools and equipment to the work site

The replacement of this truck will include 4-wheel drive and a snow plow. These two enhancements will increase safety, reliability, and add another vehicle to the Town's snow plowing resources thereby decreasing dependency on outside contractors.

Discuss Operating Budget Impact:

The operating budget impact of a new truck would be \$53,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$53,000					\$53,000	<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$53,000	\$0	\$0	\$0	\$0	\$53,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$53,000	\$0	\$0	\$0	\$0	\$53,000

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

Operating Budget Impact

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2017

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10/20/17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-450-5		
Project Title:	10 Year Meter Replacement Program		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New    [ ]    Recurring [ X ]    Resubmission [ ]

                  Multiyear [ ]    Phase \_\_\_ of \_\_\_

**Description:**

Ten year meter replacement program is to replace old and damaged meters that are not capturing all water usage. Replacements are e-coder (transmitter) radio read meters. They are more accurate and store 99 days of water usage history. This is helpful in diagnosing high water bill complaints.

**Benefits of Project and Impact if Not Completed:**

Replacement of the old water meters with intergrated e-coder meters benefits the consumer as well as the town. The new meters are more accurate, do not require a touch pad on the outside of the home, can store past usage data, and are less labor intensive. The e-coders drastically reduce time spent installing as well as reading meters.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$175,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$875,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$875,000</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$175,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$875,000</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$175,000</b>	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-12-17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023--298-02		
Project Title:	Unit 1 Repower		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          Phase \_\_\_ of \_\_\_

**Description:**  
Replace the (2) 200hp outboard engines Unit 1 .

**Benefits of Project and Impact if Not Completed:**  
less reliable and high maintance cost on aging/ high hour engines.

**Discuss Operating Budget Impact:**  
Increased maintance cost due to engines reaching end of life based on engine hours.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2019	FY2020	FY2021	FY2022	FY2023
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$43,000					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Funding Source(s)**  
Check all that apply

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)**  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2019 - FY2023**

Date submitted: 10-16-17

Date of Last Edit: \_\_\_\_\_

Project Number:	2023-298-2		
Project Title:	Repower of Unit 2		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	Phase	__ of __		

**Description:**

Replace the 250hp outboard engines Unit 2.

**Benefits of Project and Impact if Not Completed:**

Less reliable and higher maintenance cost on aging/ high hour engine.

**Discuss Operating Budget Impact:**

Increased maintenance cost due to engines reaching end of life based on engine hours.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2019	FY2020	FY2021	FY2022	FY2023	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$24,870						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$24,870</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$24,870</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CPA Purpose(s)  
Check all that apply**

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

## FISCAL YEAR 2019 BUDGET AND CAPITAL REVIEW TIMETABLE

\*charter/bylaws language provided for informational purposes only

DATE	ITEM/OBJECTIVE	CHARTER/BYLAW REFERENCE
10/2-10/20	Financial Team prepares and finalizes revenue expenses and assumptions	
10/24/2017	Capital Budgets Due to Finance Director	Art. 4, Sec.4-2, f Art. 6, Sec. 6-4
11/6/2017	*Charter date Selectmen submit capital budget to Advisory Committee	Art. 6, Sec. 6-6d (five months before ATM)
11/6/2017	Budget instructions & forms to Boards & Departments	Art. 4, Sec. 4-2 Art. 6, Sec. 6-4
11/21/2017	Board of Selectmen votes budget calendar	
11/30/2017	Departmental Non-Monetary Article requests submitted to Town Admin.	
12/1/2017	Departmental Budgets Due to TA/Finance Director	
11/7/2017	Financial Forecast Committee Meets	
12/5/2017	Board of Selectmen Open STM & ATM Warrant	
12/4/17 - 12/15/17	Budgets reviewed with depts, edited and compiled by Town Administrator/Finance Director	
12/19/2017	NOON. Deadline for Articles by Petition	
12/19/2017	Board of Selectmen Reviews Non-Monetary Article Requests	Art. 3, Sec.3-2b

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>1/15/2018</b>	Budget & Supporting Materials Distributed to Board of Selectmen, Advisory Committee & Capital Planning Committee	Art. 6, Sec. 6-5,a Bylaws, Sec. 20720,D
<b>1/23/2018</b>	TA & Finance Director Present FY19 Town Operating & Capital Budgets to Board of Selectmen	Art. 4, Sec. 4-2, f Art. 6, Sec. 6-2
<b>1/9/2018</b>	Actual date submitted to Advisory	
<b>1/8-3/5/18</b>	Capital Planning Review of TA Recommended Capital Requests	
<b>1/22/2018</b>	Financial Forecasting Committee Quarterly Calendar Year 2017 Forecast due	Art. 6, Sec.6-7, b
<b>1/23 - 3/20/18</b>	Board of Selectmen, Advisory Committee Review of Departmental Operating & Capital Budgets	Art. 6, Sec.6-5 Art. 6, 6-6,b-c
<b>2/20/2018</b>	Bylaw date Board of Selectmen submits warrant articles to Advisory Committee	Bylaws Sec. 20120, Bylaws Sec. 20720, C
<b>3/8-3/29/18</b>	All articles approved by Advisory Committee	Art. 6, Sec. 6-6,d, Bylaws, Sec. 20120
<b>3/20/2018</b>	Capital Planning Committee Presents CIP Recommendations to Selectmen	
<b>3/6/2018</b>	Board of Selectmen Votes Operating and Capital Articles, Signs Warrant, forwards to Advisory Committee	Art. 6, Sec. 6-6, d Art. 2, Sec. 2-5, c Art. 6,Sec.6-5,a
<b>3/19/2018</b>	Warrants Delivered to Newspaper	Newspaper deadline (7-14 days)

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>3/22/2018</b>	Warrants Published in Newspaper , posted on website, blasted, facebook	General Bylaws
<b>3/26/2018</b>	Statutory & Bylaw Deadline for Posting of Special Town Meeting Warrant	MGL Chap. 39, Sec. 9 2014 Bylaw amendment
<b>3/26/2018</b>	Advisory Committee Report Available to residents with Capital and Financial Forecasting Reports	Bylaws, Sec. 10440 Art. 6, Sec. 6-6,e Art. 6. Sec 6-7, b
<b>4/2/2018</b>	Statutory & Bylaw Deadline for posting Annual Town Meeting Warrant	MGL Chap. 39, Sec. 9
<b>4/9/2018</b>	2018 Annual and Special Town Meeting	Art. 2, Sec. 2-4 Bylaws Sec. 20100



**SELECTMEN, ADVISORY, AND CAPITAL PLANNING  
FY 19 BUDGET MEETING SCHEDULE**

**Selectmen, Advisory and Capital Planning Committees  
Budget Meeting Schedule**

**Fiscal Year 2019**

By charter, the Town Administrator conducts an in-depth review of each departmental line with an emphasis on full explanations for all requested expenditures in making recommendations to town officials (exclusive of School Department). The recommended operating and capital budgets are then independently reviewed by the Board of Selectmen, Advisory Committee and Capital Planning Committee.

<b>Event/Department</b>	<b>Dept #</b>	<b>Board of Selectmen Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review</b>
Review of Non-Monetary Articles		12/19/2017		
FY19 Budget Presentation		1/23/2018	1/24/2018	1/25/2018
Administration/Board of Selectmen	123	1/23/2018		1/25/2018
Advisory Committee	131	1/23/2018		1/25/2018
Reserve Fund	132	1/23/2018		1/25/2018
Gen Liab & Property Insurance	192	1/23/2018		1/25/2018
Street Lights	424	1/23/2018		1/25/2018
Workers Compensation	912	1/23/2018		1/25/2018
Unemployment	913	1/23/2018		1/25/2018
Assessors	141	1/23/2018		1/25/2018
Library	610	1/23/2018		1/25/2018
Town Clerk	161	1/23/2018		1/25/2018
Widow's Walk Enterprise	61	1/23/2018	1/24/2018	1/25/2018
Waterways Enterprise	66	2/6/2018	2/7/2018	2/8/2018
Finance Director/Town Accountant	135	2/6/2018		2/8/2018
Information Technology	155	2/6/2018		2/8/2018
Police	210	2/6/2018	2/7/2018	2/8/2018
Fire	220	2/6/2018	2/7/2018	2/8/2018
Shellfish	295	2/6/2018		2/8/2018
Facilities	410	2/13/2018	1/24/2018	2/15/2018
Department of Public Works				
Engineering	411	2/13/2018	2/14/2018	2/15/2018
Administration	421	2/13/2018	2/14/2018	2/15/2018
Highway	422	2/13/2018	2/14/2018	2/15/2018
Snow & Ice	423	2/13/2018	2/14/2018	2/15/2018
Public Grounds	429	2/13/2018	2/14/2018	2/15/2018
Transfer Station Enterprise	433	2/13/2018	2/14/2018	2/15/2018
Sewer Enterprise	440	2/13/2018	2/14/2018	2/15/2018
Water Enterprise	450	2/13/2018	2/14/2018	2/15/2018

**SELECTMEN, ADVISORY, AND CAPITAL PLANNING  
FY 19 BUDGET MEETING SCHEDULE**

<b>Event/Department</b>	<b>Dept #</b>	<b>Board of Selectmen Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review</b>
<b>Community Planning &amp; Development</b>				
Conservation/Coastal Resources	171	3/6/2018		2/22/2018
Planning	175	3/6/2018	2/28/2018	2/22/2018
Zoning Board of Appeals	176	3/6/2018		2/22/2018
Economic Development Comm	182	3/6/2018		2/22/2018
Inspections	241	3/6/2018		2/22/2018
Board of Health	510	3/6/2018		2/22/2018
Council on Aging	541	3/6/2018	2/28/2018	2/22/2018
Veterans	543	3/6/2018		2/22/2018
Commission on Disabilities	549	3/6/2018		2/22/2018
Recreation	630	3/6/2018		2/22/2018
Beautification	650	3/6/2018		2/22/2018
Historical	691	3/6/2018		2/22/2018
<hr/>				
Treasurer Collector	145	3/13/2018		3/1/2018
Tax Foreclosures	158	3/13/2018		3/1/2018
Debt Service	720	3/13/2018		3/1/2018
Non Contributory Pension	910	3/13/2018		3/1/2018
Plymouth County Retirement	911	3/13/2018		3/1/2018
Contributory Insurance	914	3/13/2018		3/1/2018
Federal Taxes	916	3/13/2018		3/1/2018
School	300	3/13/2018	2/28/2018	3/8/2018
South Shore Regional VTHS	310	3/13/2018		3/8/2018
Capital Plan Review		3/13/2018	-----	3/8/2018
<hr/>				
FACTS	561	3/20/2018		3/15/2018
Cable TV	159	3/20/2018		3/15/2018
Community Preservation Review		3/20/2018		3/15/2018
Review Petition Articles		3/20/2018		3/15/2018
Vote all projects/articles		3/20/2018	3/7/2018	3/15/2018
<hr/>				
Vote all articles		3/20/2018		3/8/2018
<hr/>				
Advisory Booklet Available				3/26/2018

**Authorized & Unissued Debt**

<b>Project Description</b>	<b>Authorization</b>	<b>Balance as of July 1, 2017</b>	<b>New Authorizations</b>	<b>Rescind/Pay Down</b>	<b>Issued</b>	<b>Current Total</b>
<b>General Fund</b>						
Energy Services Contract (ESCO)	Art 4H, ATM 04/2012	\$3,200,000				\$3,200,000
Facilities Design/Engineering	Art 4J, ATM 04/2012	\$150,000				\$150,000
Library Renovation/Constrctn-DE	Art 12, STM 11/2013	\$7,000,000				\$7,000,000
Integrated Financial Software	Art 5A, ATM 04/2014	\$200,000				\$200,000
Foreshore Protection	Art 22, ATM 04/2014	\$500,000				\$500,000
Middle School Construction-DE	Art 2, STM 12/2014	\$24,915,461				\$24,915,461
Foreshore Protection	Art 18, ATM 04/2015	\$2,000,000				\$2,000,000
Public Safety Complex Construction (not DE)	Art 7, STM 11/2015	\$562,000				\$562,000
Public Safety Complex Construction-DE	Art 8, STM 11/2015	\$751,000				\$751,000
Culvert Impvmnts-Bailey's Cswy & Guilson	Art 3G, ATM 04/2017	\$400,000				\$400,000
SRF Oceanside Seawall 2	Art 7, STM 11/2017		\$500,000			\$500,000
<b>Total General Fund</b>		<b>\$39,678,461</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,178,461</b>
<b>Sewer Enterprise</b>						
Sewer Exp Phase IV - Design & Eng	Art 5CC, ATM 04/2014	\$400,000				\$400,000
Chain Pond Pump Station	Art 3S, ATM 04/2015	\$625,000				\$625,000
Copper Limit Reduction Feasibility Study	Art 4Y, ATM 04/2016	\$200,000				\$200,000
Sewer SCADA Phase 2 of 3	Art 4AA, ATM 04/2016	\$200,000				\$200,000
Copper Limit Reduction Feasibility Study	Art 3EE, ATM 04/2017	\$420,000				\$420,000
Cedar Point Project	Art 3FF, ATM 04/2017	\$2,500,000				\$2,500,000
<b>Total Sewer Enterprise</b>		<b>\$4,345,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,345,000</b>
<b>Water Enterprise</b>						
Waterpipe Improvements	Art 11, STM 11/2013	\$6,847,000				\$6,847,000
Maple St Standpipe Rehab	Art 4Q, ATM 04/2016	\$710,000				\$710,000
Design of Expansion of Water Filter System	Art 4S, ATM 04/2016	\$80,000				\$80,000
Water SCADA Upgrades	Art 4T, ATM 04/2016	\$88,000				\$88,000
Finish Water Pumps & VFD Drives	Art 4U, ATM 04/2016	\$135,000				\$135,000
<b>Total Water Enterprise</b>		<b>\$7,860,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,860,000</b>
<b>Waterways Enterprise</b>						
South River Dredging	Art 3, ATM 03/2003	\$195,000				\$195,000
Marine Park Recreational Facility	Art 4-17, ATM 03/2007	\$280,000				\$280,000
Harbor/River Dredging	Art 3N, ATM 04/2015	\$200,000				\$200,000
<b>Total Waterways Enterprise</b>		<b>\$675,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$675,000</b>
<b>Transfer Station Enterprise</b>						
						\$0
<b>Total Transfer Station Enterprise</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Grand Total All Funds</b>		<b>\$52,558,461</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,058,461</b>

## Town of Scituate, Massachusetts Breakdown of Existing Net Debt Service Categories

