

**TOWN OF SCITUATE, MASSACHUSETTS  
FISCAL YEARS 2021-2025**



**CAPITAL IMPROVEMENT PLAN  
TOWN ADMINISTRATOR RECOMMENDED**



Egypt Beach Parking Lot & Boardwalk; Photo courtesy of Kevin Cafferty

**BOARD OF SELECTMEN**

**Anthony V. Vegnani, Chairman**

**Shawn Harris, Vice Chairman**

**Karen B. Canfield, Clerk**

**Maura C. Curran**

**Karen E. Connolly**

**James M. Boudreau, Town Administrator**

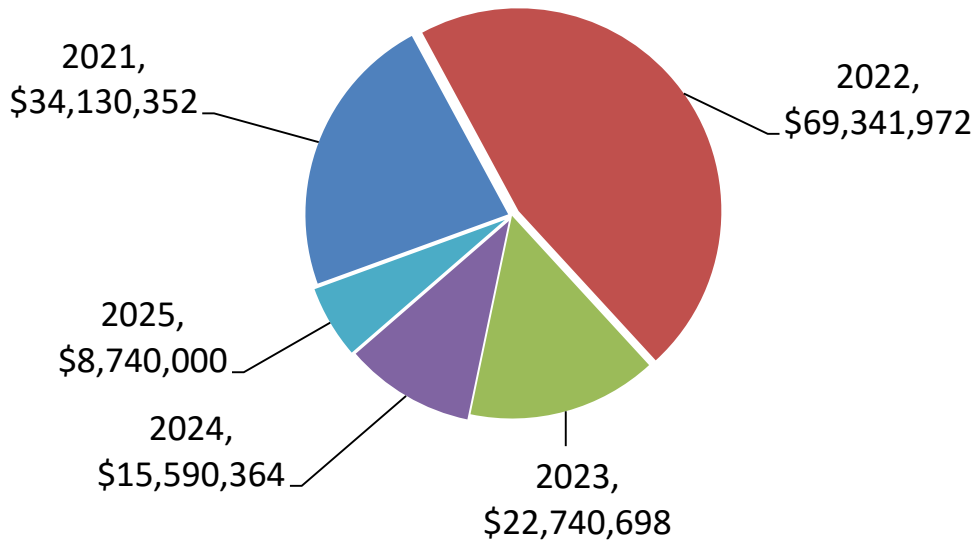
**Nancy Holt, Finance Director/Town Accountant**

**OCTOBER 2019**

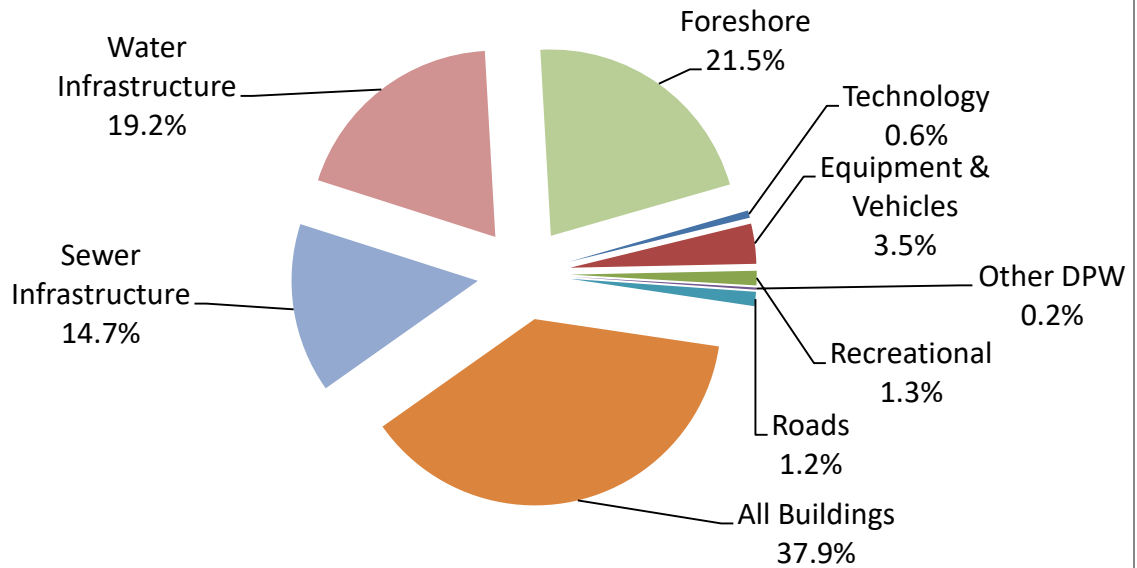


**Town of Scituate**  
 FY2021 – 2025 Capital Plan Highlights

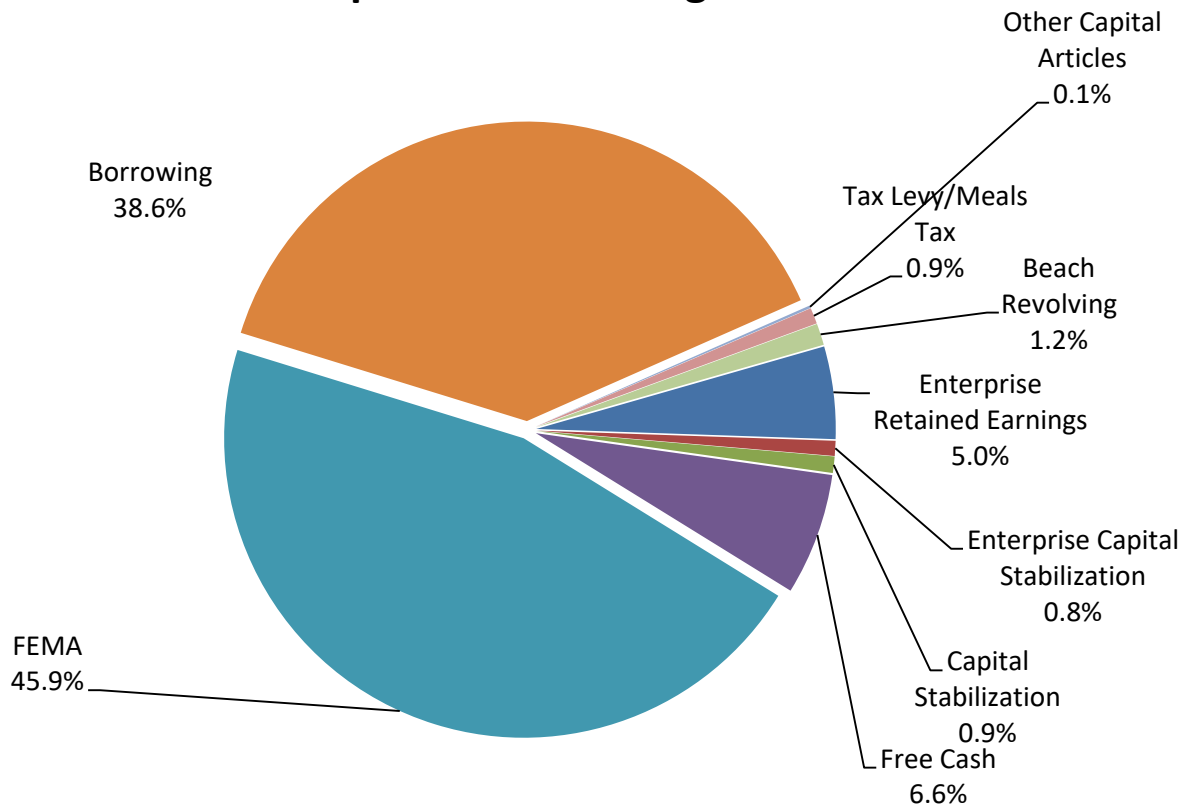
**FY 2021-2025 Capital Plan By Year**



**FY 2021-2025 Capital Plan by Project Types**



## FY 2021 Town Administrator Recommended Capital Plan Funding Sources



## Fiscal Year 2021 Capital Budgeting Process

The Capital Budgeting process uses the same methodology used in the past several fiscal years. It begins when departments submit their capital budget requests with supporting documentation for consideration. Each of these projects is then rated on the following weighted criteria:

- Overall Fiscal Impact: Are there funding sources other than the general fund?
- Will the project bring in additional revenue or will it cost additional money to operate?
- Legal Obligations/Adherence to Master plan: Does a state or federal law mandate the town to fund the capital project? Does the project promote a component of the town's master plan?
- Impact on Service to the Public: Will residents receive better service if the project is funded? Will it address a public health, safety, accreditation or maintenance need?
- Urgency of Maintenance Needs: Is the asset currently broken and in need of immediate replacement or can it last a few more years?
- Prior Phases: If the project is a multiyear project, have prior phases been previously funded or is it a new project?
- Department Priority: How does the division director rank his/her project submissions? Is it a high priority or a low priority?

(See attached for additional information on this priority ranking system)

Once all projects are submitted the Town Administrator and Finance Director independently review each project requested. Each project is assigned a numerical value based on the rating criteria, and placed in the requested year for replacement up to five years out.

Under the Town's financial policies, retired debt surplus stays in the debt service budget and does not get allocated elsewhere. In addition, non-general fund funding sources such as Community Preservation Act (CPA) funds, the sale of assets, or prior year unspent authorizations are used to fund certain capital projects.

Departments are asked to utilize the new forms rolled out three years ago for all capital project requests for FY21-25. If you have previously submitted a request under the five-year rolling capital plan (through FY 24), it does not need to be resubmitted, unless you have moved up the replacement year or you have updated cost estimates. **All capital requests submitted by departments previously should be reviewed to make sure the information and price estimates accompanying it are reasonable and up-to-date.** This means updates to acquisition costs, changes in specifications or vehicle type, model or year and ongoing maintenance. Please prepare a new form and submit accompanying materials to support the change. The five-year capital plan requires requests for capital needs through FY 25 and these must be submitted with strict adherence to the requirements specified below.

The FY 21 capital request form along with your department's previous five year rolling capital plan are included in an email transmittal. Your accompanying information should not include any prior contracts or any material which is unable to be reproduced in black and white copy and should be reasonable in length. Please do not include complete studies or extensive specifications but instead scope of work, itemized budget estimates and use your judgment on projects of a more complex and costly nature. Please fully utilize the request form to describe your project. This includes the ongoing maintenance section which is not the purchase price but the cost to maintain service or operate the item being requested including maintenance agreements which will be funded from your operating budget going forward.

Each department with a plan will be presenting it to the Capital Planning Committee in person so please be mindful of your submission size in order to maintain the usefulness of the overall five year plan document and the completeness of your request. A partially complete request with no back-up will not be treated favorably by any reviewer. Any cost estimate that is more than one year old will be rejected back to the submitter unless it has been re-verified.

Capital budget requests are due electronically to Finance Director/Town Accountant Nancy Holt (nholt@scituatema.gov), **September 19, 2019**. Incomplete submissions will be returned, so kindly make sure each submission is complete in all areas of the form. Please submit your Excel forms in Excel format and not as PDFs so corrections can be made for missing information and spelling. Your submission is compiled with all of the other departments into a single five year plan which is posted to the website and used by multiple committees, citizens and other interested parties. Please keep your submissions professional by checking spelling and avoiding handwritten cost estimates and notations. Late submissions will not be accepted.

### **IMPORTANT INFORMATION FOR FY 21 CAPITAL REQUESTS**

We are starting the FY 21 capital budget process on week earlier this year so staff has more time between the capital budget process and the operating budget process to examine the needs of their department and the Capital Planning Committee has more time to review requests. Please note that you must provide the capital request form and detailed, but concise, information about what you are requesting including any attachments of specifications, illustrations and costs based on some justified basis. Incomplete forms will be returned and not evaluated. Prior year vendor contracts should not be included as part of the back-up. Please fully complete the description areas of the request form which should be a one page summary of your project, its cost, why it is needed, funding source(s), the priority for your department and ongoing budgetary impact to your department. Back-up material should be limited to salient detail only. Please do not include feasibility studies or major technical proposals. A summary scope of work and itemized cost estimate with reasonable supporting data is needed to support your request and it should be in keeping with the amount and complexity of the purchase.

There are many competing projects on the capital plan seeking a finite amount of capital funds and therefore not all projects will be recommended despite their merits. Please prioritize your projects appropriately and fully justify any projects that have been moved up or are new additions to the plan in any other year than 2025.

For any questions related to preparation of these documents, available funding sources,

or whether your project qualifies as capital project, please contact Nancy Holt at x8811 or [nholt@scituatema.gov](mailto:nholt@scituatema.gov) . Thank you for your assistance and cooperation.

The Town Administrator's Recommended FY 21 capital budget will be submitted to the Board of Selectmen, Advisory Committee and Capital Planning Committee in fall 2019. Capital Planning Committee will meet with each department to review their five year plan, the progress of previously approved projects and the status of all previously approved capital projects to see if funds are available to be applied to another project. They will then make their recommendations to the Advisory Committee and to the Board of Selectmen.

Please let me know if you require any further information and thank you for your cooperation in this regard.

TOWN OF SCITUATE  
PROJECT REQUEST RATING SHEET  
DESCRIPTION OF RATING CRITERIA AND SCALES

CRITERIA A -OVERALL FISCAL IMPACT

Weight: 4

Rationale: Limited resources for competing projects require that each project's full impact on the Town's budget be considered in rating and evaluating projects. Projects that are self-funded or have a large proportion of external funding will receive higher ratings than those that do not.

Considerations: Ratings for this factor will consider these major points:

- A. Capital cost of the project relative to all other project requests.
- B. Impact of project on Town operating costs and personnel levels.
- C. Whether project requires Town appropriations or is funded from agency, grant funds, matching funds, or generated revenue.
- D. Impact on Town tax revenue or fee revenue.
- E. Will external funding be lost should project be delayed?

Illustrative Ratings:

- 5-Project requires less than 10% Town funding.
- 4-Project requires less than 50% Town funding.
- 3-Project requires more than 50% Town funding, decreases operating costs and increases Town revenues.
- 2-Project requires more than 50% Town funding, increases operating costs and increases Town revenues.
- 1-Project requires more than 50% Town funding, decreases operating costs and decreases Town revenues.
- 1-Project requires more than 50% Town funding, increases operating costs and decreases Town revenues.

CRITERIA B-LEGAL OBLIGATIONS AND COMPLIANCE WITH MASTER PLAN

Weight: 4

Rationale: Some projects are virtually unavoidable due to court orders, federal mandates, or state laws that require completion. In addition, projects that advance the stated goals of the Town's Master Plan should receive higher consideration than those that don't. This criterion evaluates both the severity of the mandate and the degree of adherence to the Town's Master Plan.



Considerations: Ratings for this factor will consider these major points:

- A. Whether an agency is under direct court order to complete this project.
- B. Whether the project is needed to meet requirements of federal or state legislation.
- C. Whether the project advances one or more of the goals of the Town Master Plan.

Illustrative Ratings:

- 5-Agency currently under court order to take action.
- 4- Project is necessary to meet existing state and federal requirements.
- 3- Project advances one or more of the goals of the Town's Master Plan/adopted policies.
- 2- Project advances one of the goals of the Town's Master Plan/adopted policy.
- 1- Legislation under discussion could require project in future.
- 0- No legal or Master Plan impact or requirements.
- 1-Project requires change in state law to proceed.
- 2-Project requires change in federal law to proceed.

### CRITERIA C-IMPACT ON SERVICE TO THE PUBLIC

Weight: 3

Rationale: Consideration will be given to capital projects that address health, safety, accreditation or maintenance issues as well as improved service of an agency. Service is broadly deemed, as the Town's objective to meet the health, safety or accreditation needs of the population and/or improved operations of an existing department.

Considerations: Ratings for this factor will consider these major points:

- A. Whether the service is already being provided by existing agencies.
- B. Whether the project has immediate impact on service, health, safety, accreditation or maintenance needs.
- C. Whether the project focuses on a service that is currently a "high priority" public need.

Illustrative Ratings:

- 5-Service addresses an immediate public health, safety, accreditation, or maintenance need.
- 4-Service is improved and addresses a public health, safety, accreditation; or maintenance need.
- 3-Service is greatly improved.
- 2-Service is improved.
- 1-Service is minimally improved and addresses a public health, safety, accreditation, or maintenance need.
- 0- Service is minimally improved.

### CRITERIA D-URGENCY OF MAINTENANCE NEEDS

### Weight 3

Rationale: The Town's most immediate goal in both capital and operating finance is to maintain current services expected by citizens, businesses, and visitors. Capital projects that are essential to maintain service, protect investment, or restore service that has been interrupted due to failure of capital assets will receive the highest rating in this criterion.

Considerations: Ratings for this factor will consider these major points:

- A. Whether service is currently interrupted.
- B. Whether the project as requested will result in full restoration of service.
- C. Whether the project is the most cost-effective method of providing or maintaining service.
- D. Where service is not currently interrupted, the likelihood that it will be in the next five years if the project is not funded.
- E. Whether costs of the project will increase (beyond inflation) if the project is delayed.
- F. Whether the agency has prepared a comprehensive maintenance/rehabilitation/replacement schedule and the project is due under that schedule.

#### Illustrative Ratings:

5-Service is currently interrupted and the project will restore service in the most cost-effective manner possible.

4-Service is likely to be disrupted in the five-year horizon if project is not funded.

3-Project is necessary to maintain orderly schedule for maintenance and replacement.

2-Cost of Project will increase in future (beyond inflation) if it is delayed at this time.

1-Minor risk that cost will rise or service will be interrupted if project is not funded.

0-There is no financial or service risk of delaying or not funding the project (e.g., the project is new and has no impact on current service).

#### CRITERIA E-PRIOR PHASES

### Weight: 2

Rationale: Some projects need to be developed in phases due to their complexity of size. In such cases, the need has already been established by prior commitment of funds to existing projects. Therefore, continuation of the project will be given higher consideration.

Considerations: Ratings for this factor will consider these major points:

- A. Whether the project has received prior funds.
- B. Whether the project requires additional funding to be operational.

#### Illustrative Ratings:

5-All but the final phase has been fully funded.

4-Multiple phases have been fully funded.

2 Multiple phases have been partially

funded. 2-First phases have been fully funded.  
1-First phases have been partially funded.  
0-No prior phases have been funded or partially funded.

**CRITERIA E-DEPARTMENTAL PRIORITY**

Weight: 2

**Rationale:** Divisions are expected to provide an indication of which projects are most important to their mission.

**Considerations:** Ratings for this factor will consider these major points:

- A. Departmental ranking of each individual project.
- B. The total number of project requests that are tuned in by entities.

**Illustrative Ratings:**

- 5-Top 20% of highest departmentally ranked project requests.
- 4-20% of next highest departmentally ranked project requests.
- 3-20% of next highest departmentally ranked project requests.
- 2-20% of next highest departmentally ranked project requests.
- 1-Bottom 20% of all projects

## 2020 Capital Planning Committee Members

Christopher Carchia (2022), Chairman\*

John P. Whittaker (2020)\*

John McCarthy (2020)\*

Joseph Gibbons (2022)\*

Michael Clark (2022)\*

James Boudreau, Town Administrator\*

Michael Hayes, Co-School Committee rep\*

Nicole Brandolini, Co-School Committee rep

Karen Connolly, Board of Selectmen rep

Elise Russo, Advisory Committee rep

\*Voting members (7)

**FISCAL YEAR 21 BUDGET AND CAPITAL REVIEW TIMETABLE**

\*charter/bylaws language provided for informational purposes only

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>9/18/2019</b>	Capital Budgets Due to Finance Director	Art. 4, Sec.4-2, f Art. 6, Sec. 6-4
<b>9/22-9/25/2019</b>	Financial Team prepares and finalizes revenue expenses and assumptions	
<b>9/26/2019</b>	Financial Forecast Committee reviews draft forecast for FY21	
<b>10/8/2019</b>	Town Administrator Recommended Capital Plan provided to Capital Planning Committee	
<b>11/13/2019</b>	*Charter date Selectmen submit capital budget to Advisory Committee	Art. 6, Sec. 6-6d (five months before ATM)
<b>9/27/2019</b>	Budget instructions & forms to Boards & Departments	Art. 4, Sec. 4-2 Art. 6, Sec. 6-4
<b>10/15/2019</b>	Board of Selectmen votes budget calendar	
<b>11/28/2019</b>	Departmental Non-Monetary Article requests submitted to Town Admin.	
<b>10/25/2019</b>	Departmental Budgets Due to TA/Finance Director	
<b>12/3/2019</b>	Board of Selectmen Open STM & ATM Warrant	
<b>10/28 - 11/6/19</b>	Budgets reviewed with depts, edited and compiled by Town Administrator/Finance Director	
<b>12/17/2019</b>	NOON. Deadline for Articles by Petition	

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>12/17/2019</b>	Board of Selectmen Reviews Non-Monetary Article Requests	Art. 3, Sec.3-2b
<b>11/19/2019</b>	Budget & Supporting Materials Distributed to Board of Selectmen & Advisory Committee	Art. 6, Sec. 6-5,a Bylaws, Sec. 20720,D
<b>11/19/2019</b>	TA & Finance Director Present FY21 Town Operating & Capital Budgets to Board of Selectmen	Art. 4, Sec. 4-2, f Art. 6, Sec. 6-2
<b>11/21/2019</b>	Actual date submitted to Advisory	
<b>10/1-2/5/20</b>	Capital Planning Review of TA Recommended Capital Requests	
<b>1/22/2020</b>	Financial Forecasting Committee Quarterly Calendar Year 2019 Forecast due	Art. 6, Sec.6-7, b
<b>11/19/2019-2/27/2020</b>	Board of Selectmen, Advisory Committee Review of Departmental Operating & Capital Budgets	Art. 6, Sec.6-5 Art. 6, 6-6,b-c
<b>1/30/2020</b>	Bylaw date Board of Selectmen submits warrant articles to Advisory Committee	Bylaws Sec. 20120, Bylaws Sec. 20720, C
<b>2/27/2020</b>	All articles voted by Advisory Committee	Art. 6, Sec. 6-6,d, Bylaws, Sec. 20120
<b>2/4/2020</b>	Capital Planning Committee Presents CIP Recommendations to Selectmen	
<b>2/25/2020</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>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>3/27/2020</b>	Warrants posted publically, posted on website, blasted, Facebook	General Bylaws
<b>4/3/2020</b>	Statutory & Bylaw Deadline for Posting of Special Town Meeting Warrant	MGL Chap. 39, Sec. 9 2014 Bylaw amendment
<b>3/27/2020</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>3/27/2020</b>	Statutory & Bylaw Deadline for posting Annual Town Meeting Warrant	MGL Chap. 39, Sec. 9
<b>4/13/2020</b>	2020 Annual and Special Town Meeting	Art. 2, Sec. 2-4 Bylaws Sec. 20100

**Town of Scituate  
Capital Plan - FY 2021-2025**

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Total Project	Project #	Department	Year	Fund	Request	CRITERIA					SCORE					Comment				
						A	B	C	D	E	F	A	B	C	D		E	F		
49	Minot Beach Parking Lot	2021-630-01	Recreation/DPW	2021	BCH	\$	247,192	5	2	2	3	0	3	20	8	6	9	0	6	Beach Revolving Fund
					<b>BCH Total</b>	\$	247,192													
66	Roads & Sidewalks	2021-422-04	DPW - Highway	2021	GF	\$	200,000	3	2	5	5	4	4	12	8	15	15	8	8	
60	Foreshore Repairs - FEMA - Egypt Beach Berm	2021-411-01	DPW - Foreshore Protection	2021	GF	\$	1,000,000	4	2	4	4	1	5	16	8	12	12	2	10	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - 1st, 2nd, 3rd Cliffs	2021-411-02	DPW - Foreshore Protection	2021	GF	\$	12,000,000	4	2	4	4	1	3	16	8	12	12	2	6	FEMA subsidized 75%
49	Replace Ambulance	2021-220-02	Fire	2021	GF	\$	365,000	3	2	2	3	4	3	12	8	6	9	8	6	
49	Simplivity Data Infrastructure*	2021-155-01	Information Technology	2021	GF	\$	205,938	3	0	5	4	0	5	12	0	15	12	0	10	
48	Humarock Fire Station Quarters Replacement	2021-220-01	Fire	2021	GF	\$	260,000	1	2	4	2	4	5	4	8	12	6	8	10	
47	MS4 Compliance	2021-421-01	DPW-Engineering	2021	GF	\$	50,000	1	4	1	2	4	5	4	16	3	6	8	10	
46	Foreshore Protection	2021-411-03	DPW - Foreshore Protection	2021	GF	\$	200,000	1	2	5	3	4	1	4	8	15	9	8	2	
46	Generator at Library	2021-410-01	Facilities (Library)	2021	GF	\$	210,000	1	2	4	4	0	5	4	8	12	12	0	10	
46	Permitting Software*	2021-155-03	Information Technology	2021	GF	\$	60,000	1	4	4	4	0	1	4	16	12	12	0	2	
45	Replace Carpeting - High School	2021-300-01	School	2021	GF	\$	65,000	1	2	4	3	1	5	4	8	12	9	2	10	
41	Replace 2006 Chevy Colorado	2021-411-01	DPW-Engineering	2021	GF	\$	35,000	1	0	4	5	0	5	4	0	12	15	0	10	
43	Replace Flooring - High School	2021-300-02	School	2021	GF	\$	250,000	1	2	4	3	1	4	4	8	12	9	2	8	
43	High School Locker Rooms	2021-300-03	School	2021	GF	\$	710,000	1	2	2	3	4	4	4	8	6	9	8	8	
41	Replace SPED Vans	2021-300-05	School	2021	GF	\$	80,000	1	2	4	3	1	3	4	8	12	9	2	6	
37	Replace 2002 Ford Van	2021-411-03	DPW-Engineering	2021	GF	\$	35,000	1	0	4	5	0	3	4	0	12	15	0	6	
39	Briarwood Lane	2021-422-05	DPW - Highway	2021	GF	\$	43,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	Bullrush Farm Road	2021-422-06	DPW - Highway	2021	GF	\$	45,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	Refurbish 2006 Rescue Pumper	2022-220-02	Fire	2022	GF	\$	90,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	Wampatuck Portico	2021-300-04	School	2021	GF	\$	175,000	1	2	4	3	0	3	4	8	12	9	0	6	
39	School Technology	2021-300-06	School	2021	GF	\$	150,000	1	2	2	3	4	2	4	8	6	9	8	4	
39	Wireless Smoke Detectors-Cushing & Hatherly	2021-300-07	School	2021	GF	\$	50,000	1	2	4	3	1	2	4	8	12	9	2	4	
45	Street Sweeper	2021-422-01	DPW - Highway	2021	GF	\$	242,000	1	4	2	3	0	5	4	16	6	9	0	10	
37	Townsend Road	2021-422-07	DPW - Highway	2021	GF	\$	32,000	1	2	4	3	0	2	4	8	12	9	0	4	
37	Sedgewick Road	2021-422-08	DPW - Highway	2021	GF	\$	89,000	1	2	4	3	0	2	4	8	12	9	0	4	
37	Cushing Accessibility Requests (OCR)	2021-300-08	School	2021	GF	\$	50,000	1	2	4	3	1	1	4	8	12	9	2	2	
36	Replace 1985 John Deere Tractor	2021-429-03	DPW - Grounds	2021	GF	\$	42,000	3	2	1	3	0	2	12	8	3	9	0	4	
35	Marilyn Road	2021-422-10	DPW - Highway	2021	GF	\$	34,500	1	2	4	3	0	1	4	8	12	9	0	2	
35	Captain Peirce Road	2021-422-11	DPW - Highway	2021	GF	\$	58,500	1	2	4	3	0	1	4	8	12	9	0	2	
33	Truck 2-5, Medium Duty Dump Truck	2021-429-02	DPW - Grounds	2021	GF	\$	97,000	1	2	2	3	0	3	4	8	6	9	0	6	
37	Log Chipper	2021-429-01	DPW - Grounds	2021	GF	\$	55,000	1	2	2	3	0	5	4	8	6	9	0	10	



**Town of Scituate  
Capital Plan - FY 2021-2025**

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Total Project	Project #	Department	Year	Fund	Request	CRITERIA						SCORE						Comment
						A	B	C	D	E	F	A	B	C	D	E	F	
37 Marine Unit Repowering & Safety Equipment	2021-210-01	Police	2021	GF	\$ 67,579	1	2	1	4	0	5	4	8	3	12	0	10	
34 Truck 1-8, Diesel Pick-up Truck	2021-422-02	DPW - Highway	2021	GF	\$ 45,000	1	2	1	3	0	5	4	8	3	9	0	10	
29 Truck 1-2, Diesel Pick-up Truck	2021-422-03	DPW - Highway	2021	GF	\$ 45,000	1	2	0	3	0	4	4	8	0	9	0	8	
29 Vermeer Stump Grinder	2021-429-04	DPW - Grounds	2021	GF	\$ 43,000	1	2	2	3	0	1	4	8	6	9	0	2	
29 Fiber Connection for Town Buildings*	2021-155-02	Information Technology	2021	GF	\$ 358,104	1	0	2	3	2	3	4	0	6	9	4	6	
25 Replace Facilities Director & Handyman Vehicles	2021-410-02	Facilities	2021	GF	\$ 52,039	1	0	3	2	0	3	4	0	9	6	0	6	
18 Replace 2005 Admin Vehicle	2021-220-03	Fire	2021	GF	\$ 50,000	1	0	1	3	0	1	4	0	3	9	0	2	
54 Foreshore Protection	2022-411-01	DPW - Foreshore Protection	2022	GF	\$ 200,000	1	2	5	3	4	5	4	8	15	9	8	10	
62 Seawall Replacement - Cedar Point ACoE project	2022-411-02	DPW - Foreshore Protection	2022	GF	\$ 8,000,000	4	2	4	4	4	3	16	8	12	12	8	6	<b>ACoE subsidized 65%</b>
54 Foreshore Repairs - Seawall Turner Rd/Oceanside	2022-411-03	DPW - Foreshore Protection	2022	GF	\$ 10,000,000	3	2	4	4	4	1	12	8	12	12	8	2	
43 Flail Mower	2022-429-01	DPW - Grounds	2022	GF	\$ 36,000	1	2	4	3	0	5	4	8	12	9	0	10	
39 Field Repair/Construction	2022-429-02	DPW - Grounds	2022	GF	\$ 58,000	1	2	4	3	0	3	4	8	12	9	0	6	
43 Foam Road Drainage	2022-422-01	DPW - Highway	2022	GF	\$ 53,961	1	2	4	3	0	5	4	8	12	9	0	10	
41 Brook Street	2022-422-02	DPW - Highway	2022	GF	\$ 237,533	1	2	4	3	0	4	4	8	12	9	0	8	
33 Glades Road Sidewalk	2022-422-03	DPW - Highway	2022	GF	\$ 43,000	1	2	1	4	0	3	4	8	3	12	0	6	
62 Road & Sidewalk Improvements	2022-422-04	DPW - Highway	2022	GF	\$ 200,000	3	2	5	5	4	2	12	8	15	15	8	4	
35 Lawson Road	2022-422-05	DPW - Highway	2022	GF	\$ 223,260	1	2	4	3	0	1	4	8	12	9	0	2	
47 MS4 Compliance	2022-421-01	DPW-Engineering	2022	GF	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
14 Locker Room/Showers Highway Barn	2022-410-01	Facilities (DPW - Highway)	2022	GF	\$ 60,000	1	0	0	0	0	5	4	0	0	0	0	10	
41 ADA Updates - Town Hall	2022-410-02	Facilities (Town Hall)	2022	GF	\$ 210,000	1	2	4	3	1	3	4	8	12	9	2	6	
25 Replace 2010 Command Vehicle	2022-220-01	Fire	2022	GF	\$ 50,000	1	2	0	1	0	5	4	8	0	3	0	10	
19 Replace forest truck/storm vehicle	2023-220-02	Fire	2022	GF	\$ 76,345	1	0	1	2	0	3	4	0	3	6	0	6	
45 Replace Flooring - High School	2022-300-03	School	2022	GF	\$ 300,000	1	2	4	3	1	5	4	8	12	9	2	10	
41 School Technology	2022-300-03	School	2022	GF	\$ 130,000	1	2	2	3	4	3	4	8	6	9	8	6	
26 Wompatuck Parking Lot	2022-300-05	School	2022	GF	\$ 303,673	1	2	1	3	0	1	4	8	3	9	0	2	
54 Foreshore Protection	2023-411-01	DPW - Foreshore Protection	2023	GF	\$ 200,000	1	2	5	3	4	5	4	8	15	9	8	10	
32 Leaf & Debris Vacuum	2023-429-01	DPW - Grounds	2023	GF	\$ 33,000	1	0	3	3	0	5	4	0	9	9	0	10	
33 Roof for Salt Shed	2023-422-01	DPW - Highway	2023	GF	\$ 30,000	1	0	2	3	2	5	4	0	6	9	4	10	
24 Truck 101 Medium Duty Truck	2023-422-02	DPW - Highway	2023	GF	\$ 50,000	1	2	1	1	0	3	4	8	3	3	0	6	
31 Truck 1-9, Diesel Pick-up Truck	2023-422-03	DPW - Highway	2023	GF	\$ 65,000	1	2	1	4	0	2	4	8	3	12	0	4	
60 Road & Sidewalk Improvements	2023-422-04	DPW - Highway	2023	GF	\$ 200,000	3	2	5	5	4	1	12	8	15	15	8	2	
47 MS4 Compliance	2023-421-01	DPW-Engineering	2023	GF	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
50 Electrical Distibution - Town Hall	2023-410-01	Facilities (Town Hall)	2023	GF	\$ 100,000	1	2	4	4	2	5	4	8	12	12	4	10	

**Town of Scituate  
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Total Project	Project #	Department	Year	Fund	Request	CRITERIA					SCORE					Comment			
						A	B	C	D	E	F	A	B	C	D		E	F	
59	Replace Zoll monitor	2023-220-01	Fire	2023	GF	\$ 50,000	3	2	4	3	4	5	12	8	12	9	8	10	
45	Replace Ambulance	2023-220-02	Fire	2023	GF	\$ 326,250	3	2	2	3	4	1	12	8	6	9	8	2	
58	Hatherly Roof Replacement	2023-300-03	School	2023	GF	TBD	1	3	5	5	1	5	4	12	15	15	2	10	
32	Elementary School Sink Replacement	2023-300-04	School	2023	GF	TBD	1	2	1	3	0	4	4	8	3	9	0	8	
32	Cushing Parking Lot	2023-300-05	School	2023	GF	\$ 347,102	1	2	1	3	0	4	4	8	3	9	0	8	
40	High School Roof Replacement	2023-300-05	School	2023	GF	\$ 1,000,000	1	3	3	3	0	3	4	12	9	9	0	6	
40	Wampatuck Roof Replacement	2023-300-05	School	2023	GF	\$ 300,000	1	3	3	3	0	3	4	12	9	9	0	6	
38	Jenkins Roof Replacement	2023-300-06	School	2023	GF	\$ 1,200,000	1	3	3	3	0	2	4	12	9	9	0	4	
37	School Technology	2023-300-09	School	2023	GF	\$ 100,000	1	2	2	3	4	1	4	8	6	9	8	2	
54	Foreshore Protection	2024-411-01	DPW - Foreshore Protection	2024	GF	\$ 200,000	1	2	5	3	4	5	4	8	15	9	8	10	
47	Cemetery Maintenance Database Program	2024-429-01	DPW - Grounds	2024	GF	\$ 30,000	1	3	4	3	0	5	4	12	12	9	0	10	
51	Excavator	2024-429-02	DPW - Grounds	2024	GF	\$ 65,000	3	2	2	3	4	4	12	8	6	9	8	8	
43	Replace #2-0 1999 Ford 250 Pick-up	2024-429-03	DPW - Grounds	2024	GF	\$ 50,000	1	3	4	3	0	3	4	12	12	9	0	6	
68	Road & Sidewalk Improvements	2024-422-01	DPW - Highway	2024	GF	\$ 200,000	3	2	5	5	4	5	12	8	15	15	8	10	
22	Truck 102, Medium Duty Truck	2024-422-02	DPW - Highway	2024	GF	\$ 50,000	1	2	1	1	0	2	4	8	3	3	0	4	
47	MS4 Compliance	2024-421-01	DPW-Engineering	2024	GF	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
43	Replace 1995 Rescue Pumper	2024-220-01	Fire	2024	GF	\$ 594,660	1	2	4	3	0	5	4	8	12	9	0	10	
34	Hatherly Parking Lot	2024-300-05	School	2024	GF	\$ 264,704	1	2	1	3	0	5	4	8	3	9	0	10	
39	Wampatuck Flooring Replacement	2024-300-06	School	2024	GF	\$ 250,000	1	2	4	3	0	3	4	8	12	9	0	6	
37	Cushing Portico	2024-300-07	School	2024	GF	TBD	1	2	4	3	0	2	4	8	12	9	0	4	
36	Small Gym High School	2024-300-08	School	2024	GF	\$ 225,000	1	3	3	3	0	1	4	12	9	9	0	2	
54	Foreshore Protection	2025-411-01	DPW - Foreshore Protection	2025	GF	\$ 200,000	1	2	5	3	4	5	4	8	15	9	8	10	
34	Replace #2-8 - 2007 Chevy 3600 Dump Truck	2025-429-01	DPW - Grounds	2025	GF	\$ 65,000	1	2	1	3	0	5	4	8	3	9	0	10	
27	Walkway Improvement at Town Hall	2025-429-02	DPW - Grounds	2025	GF	\$ 35,000	1	0	2	3	0	4	4	0	6	9	0	8	
27	Gates School Field Repair	2025-429-03	DPW - Grounds	2025	GF	\$ 60,000	1	2	2	1	0	3	4	8	6	3	0	6	
25	Multihog Roadside Brush Cutter	2025-429-04	DPW - Grounds	2025	GF	\$ 142,000	1	2	2	1	0	2	4	8	6	3	0	4	
27	John Deere 1445 Mower	2025-429-05	DPW - Grounds	2025	GF	\$ 40,000	1	0	4	3	0	1	4	0	12	9	0	2	
20	Truck Lift	2025-422-01	DPW - Highway	2025	GF	\$ 28,000	1	0	1	1	0	5	4	0	3	3	0	10	
62	Road & Sidewalk Improvements	2025-422-02	DPW - Highway	2025	GF	\$ 200,000	3	2	5	5	4	2	12	8	15	15	8	4	
47	MS4 Compliance	2025-421-01	DPW-Engineering	2025	GF	\$ 50,000	1	4	1	2	4	5	4	16	3	6	8	10	
53	Cushing Window Replacement	2025-300-07	School	2025	GF	TBD	1	3	5	4	0	5	4	12	15	12	0	10	
39	Wampatuck Teachers' Room	2025-300-07	School	2025	GF	\$ 40,000	1	2	4	3	0	3	4	8	12	9	0	6	
37	Hatherly Univents	2025-300-08	School	2025	GF	\$ 500,000	1	2	4	3	0	2	4	8	12	9	0	4	

**Town of Scituate  
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Total Project	Project #	Department	Year	Fund	Request	CRITERIA					SCORE					Comment			
						A	B	C	D	E	F	A	B	C	D		E	F	
36	Main Floor High School Gym	2025-300-08	School	2025	GF	\$ 225,000	1	3	3	3	0	1	4	12	9	9	0	2	
					<b>GF Total</b>	\$ 45,487,148													
66	Widows Walk Upgrades (Clubhouse & Site)	2021-661-01	Widows Walk	2021	Golf	\$ 1,450,000	5	2	4	4	2	5	20	8	12	12	4	10	
					<b>Golf Total</b>	\$ 1,450,000													
48	SCTV Studio Relocation	2022-159-03	PEG Access	2022	PEG	\$ 225,000	5	0	2	4	0	5	20	0	6	12	0	10	PEG Access funds
					<b>PEG Total</b>	\$ 225,000													
71	Infiltration/Inflow- Oceanside	2021-440-03	Sewer	2021	S	\$ 4,900,000	5	4	4	3	4	3	20	16	12	9	8	6	
69	Inflow & Infiltration Amnesty Program*	2021-440-04	Sewer	2021	S	\$ 210,000	5	4	4	3	4	2	20	16	12	9	8	4	Not capital as amnesty program
68	Clarifier Launder Coating*	2021-440-02	Sewer	2021	S	\$ 75,000	5	4	4	4	0	4	20	16	12	12	0	8	
58	Sewer Main Inspection System*	2021-440-05	Sewer	2021	S	\$ 102,500	5	3	5	3	0	1	20	12	15	9	0	2	
58	Facilities Plan	2021-440-01	Sewer	2021	S	\$ 660,000	5	4	4	0	0	5	20	16	12	0	0	10	
68	Clarifier Upgrade	2022-440-01	Sewer	2022	S	\$ 230,000	5	3	4	4	1	5	20	12	12	12	2	10	
61	Automated Aeration Valves	2022-440-02	Sewer	2022	S	\$ 115,200	5	3	4	3	0	4	20	12	12	9	0	8	
46	Laboratory Rehabilitation	2022-440-03	Sewer	2022	S	\$ 100,000	5	2	1	3	0	3	20	8	3	9	0	6	
57	Rehab First Parish Pump Station	2022-440-04	Sewer	2022	S	\$ 123,000	5	3	4	3	0	2	20	12	12	9	0	4	
67	Inflow & Infiltration Amnesty Program	2022-440-05	Sewer	2022	S	\$ 210,000	5	4	4	3	4	1	20	16	12	9	8	2	Not capital as amnesty program
60	Replace #5-1 2005 Ranger with 4x4	2023-440-01	Sewer	2023	S	\$ 53,346	5	0	5	5	0	5	20	0	15	15	0	10	
67	Add to Collection System for Phased Expansion	2023-440-02	Sewer	2023	S	\$ 12,000,000	5	3	5	2	4	3	20	12	15	6	8	6	
57	Structural Repairs at Wastewater Treatment Plant	2023-440-03	Sewer	2023	S	\$ 250,000	5	3	3	4	0	2	20	12	9	12	0	4	
67	Inflow & Infiltration Amnesty Program	2023-440-04	Sewer	2023	S	\$ 210,000	5	4	4	3	4	1	20	16	12	9	8	2	Not capital as amnesty program
72	Infiltration/Inflow Chain Pond	2024-440-01	Sewer	2024	S	\$ 4,200,000	5	4	4	2	4	5	20	16	12	6	8	10	
61	Replace UV System	2024-440-02	Sewer	2024	S	\$ 700,000	5	3	4	3	0	4	20	12	12	9	0	8	
47	Influent Grit Removal	2024-440-03	Sewer	2024	S	\$ 2,050,000	5	3	2	1	0	3	20	12	6	3	0	6	
57	RAS Capacity	2024-440-04	Sewer	2024	S	\$ 360,000	5	3	4	3	0	2	20	12	12	9	0	4	
67	Inflow & Infiltration Amnesty Program	2024-440-06	Sewer	2024	S	\$ 210,000	5	4	4	3	4	1	20	16	12	9	8	2	Not capital as amnesty program
65	Clarifier Replacement	2025-440-01	Sewer	2025	S	\$ 1,250,000	5	3	4	3	1	5	20	12	12	9	2	10	
55	Replace WWTP Generator	2025-440-02	Sewer	2025	S	\$ 380,000	5	2	4	3	0	3	20	8	12	9	0	6	
57	Influent Pump Upgrade	2025-440-03	Sewer	2025	S	\$ 1,630,000	5	3	4	3	0	2	20	12	12	9	0	4	
67	Inflow & Infiltration Amnesty Program	2025-440-04	Sewer	2025	S	\$ 210,000	5	4	4	3	4	1	20	16	12	9	8	2	Not capital as amnesty program
					<b>S Total</b>	\$ 30,229,046													
56	Replace 1983 Tractor Yard Jockey	2021-433-02	Transfer Station	2021	TS	\$ 65,000	5	2	4	4	0	2	20	8	12	12	0	4	
56	Replace 2010 Backhoe	2021-433-01	Transfer Station	2021	TS	\$ 142,000	5	2	2	4	0	5	20	8	6	12	0	10	
52	Replace 2005 Chevy 3500 Truck*	2021-433-02	Transfer Station	2021	TS	\$ 55,000	5	2	2	4	0	3	20	8	6	12	0	6	

**Town of Scituate  
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Total Project	Project #	Department	Year	Fund	Request	CRITERIA						SCORE						Comment	
						A	B	C	D	E	F	A	B	C	D	E	F		
44	Powerwash & Paint Metal Space Buildings	2021-433-03	Transfer Station	2021	TS	\$ 45,000	5	2	1	3	0	2	20	8	3	9	0	4	
56	Replace 2010 Front End Loader	2022-433-01	Transfer Station	2022	TS	\$ 170,000	5	2	2	4	0	5	20	8	6	12	0	10	
52	Trenching & Installation of Conduit	2022-433-02	Transfer Station	2022	TS	\$ 50,000	5	2	3	3	0	3	20	8	9	9	0	6	
					<b>TS Total</b>	<b>\$ 527,000</b>													
67	Permanent Residuals Disposal Well 18B Treatment*	2021-450-03	Water	2021	W	\$ 350,000	5	3	5	4	0	4	20	12	15	12	0	8	
67	Replace Water Mains	2021-450-06	Water	2021	W	\$ 2,000,000	5	3	4	3	4	3	20	12	12	9	8	6	
67	Humarock Water Mains-Construction	2022-450-06	Water	2021	W	\$ 5,000,000	5	3	4	3	4	3	20	12	12	9	8	6	
66	Chemical Feed System Replacement - 2 locations	2021-450-04	Water	2021	W	\$ 35,000	5	4	5	3	0	3	20	16	15	9	0	6	
66	Ice Pigging	2021-450-08	Water	2021	W	\$ 400,000	5	3	5	3	4	1	20	12	15	9	8	2	
62	Repairs to Water Treatment Plant	2021-450-05	Water	2021	W	\$ 100,000	5	3	4	4	0	3	20	12	12	12	0	6	
60	Replace 2005 Chevy Colorado Pick-up (#34)*	2021-450-01	Water	2021	W	\$ 48,000	5	0	5	5	0	5	20	0	15	15	0	10	
54	10 Yr Meter replacement cycle program	2021-450-07	Water	2021	W	\$ 200,000	5	2	1	3	4	3	20	8	3	9	8	6	
46	New 2500 4x4 Pick-up*	2021-450-02	Water	2021	W	\$ 48,000	5	0	3	3	0	4	20	0	9	9	0	8	
48	West End Well Investigation	2022-450-01	Water	2022	W	\$ 300,000	5	3	1	3	0	2	20	12	3	9	0	4	
68	New Water Tank	2022-450-02	Water	2022	W	\$ 2,500,000	5	4	4	4	0	4	20	16	12	12	0	8	
67	Replace Water Mains	2022-450-03	Water	2022	W	\$ 2,100,000	5	3	4	3	4	3	20	12	12	9	8	6	
54	Reservoir Expansion	2022-450-04	Water	2022	W	\$ 1,790,000	5	2	3	3	2	2	20	8	9	9	4	4	
50	10 Yr Meter replacement cycle program	2022-450-05	Water	2022	W	\$ 210,000	5	2	1	3	4	1	20	8	3	9	8	2	
66	Ice Pigging	2022-450-07	Water	2022	W	\$ 200,000	5	3	5	3	4	1	20	12	15	9	8	2	
76	New Treatment Plant	2023-450-01	Water	2022	W	\$ 40,000,000	5	4	5	5	0	5	20	16	15	15	0	10	
69	Replace Water Mains	2023-450-02	Water	2023	W	\$ 2,200,000	5	3	4	3	4	4	20	12	12	9	8	8	
67	Redevelopment of Public Wells	2023-450-03	Water	2023	W	\$ 125,000	5	3	4	3	2	5	20	12	12	9	4	10	
60	Dolan Field Well	2023-450-04	Water	2023	W	\$ 2,500,000	5	3	3	3	2	3	20	12	9	9	4	6	
32	Replace Truck #39 2009 Chevy Silverado Pick-up	2023-450-05	Water	2023	W	\$ 59,000	5	0	1	1	0	3	20	0	3	3	0	6	
59	Emergency Generator & Electrical Upgrades at Well #10 & 11	2023-450-06	Water	2023	W	\$ 450,000	5	2	4	3	3	2	20	8	12	9	6	4	
50	10 Yr Meter replacement cycle program	2023-450-07	Water	2023	W	\$ 220,000	5	2	1	3	4	1	20	8	3	9	8	2	
36	West End Well Construction	2024-450-01	Water	2024	W	\$ 3,000,000	5	0	1	1	0	5	20	0	3	3	0	10	
69	Replace Water Mains	2024-450-02	Water	2024	W	\$ 2,300,000	5	3	4	3	4	4	20	12	12	9	8	8	
32	Replace Utility Body Vehicle	2024-450-03	Water	2024	W	\$ 61,000	5	0	1	1	0	3	20	0	3	3	0	6	
52	10 Yr Meter replacement cycle program	2024-450-04	Water	2024	W	\$ 230,000	5	2	1	3	4	2	20	8	3	9	8	4	
50	Repair Mann Lot Standpipe-Design	2024-450-05	Water	2024	W	\$ 250,000	5	2	1	3	1	4	20	8	3	9	2	8	

**Town of Scituate  
Capital Plan - FY 2021-2025**

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Total Project	Project #	Department	Year	Fund	Request	CRITERIA						SCORE						Comment
						A	B	C	D	E	F	A	B	C	D	E	F	
69 Replace Water Mains	2025-450-01	Water	2025	W	\$ 2,400,000	5	3	4	3	4	4	20	12	12	9	8	8	
50 10 Yr Meter replacement cycle program	2025-450-02	Water	2025	W	\$ 240,000	5	2	1	3	4	1	20	8	3	9	8	2	
50 Repair Mann Lot Standpipe-Construction	2025-450-03	Water	2025	W	\$ 1,000,000	5	2	1	3	1	4	20	8	3	9	2	8	
				<b>W Total</b>	<b>\$ 70,316,000</b>													
59 Replacement of 2004 Harbormaster Truck	2021-298-01	Waterways	2021	WW	\$ 43,000	5	2	4	3	0	5	20	8	12	9	0	10	
65 Replacement of Docks & Gangways Cole Pkwy Marina	2021-298-02	Waterways	2021	WW	\$ 250,000	5	3	4	3	2	4	20	12	12	9	4	8	
65 Mooring Field Regrid	2021-298-03	Waterways	2021	WW	\$ 55,000	5	3	4	5	0	3	20	12	12	15	0	6	
28 Pump Out Station Jericho Boat Ramp	2021-298-05	Waterways	2021	WW	\$ 100,000	5	0	2	0	0	1	20	0	6	0	0	2	
69 Harbormaster Office ADA Renovations	2022-298-01	Waterways	2022	WW	\$ 100,000	5	3	4	3	3	5	20	12	12	9	6	10	
65 Replacement of Docks & Gangways Cole Pkwy Marina	2022-298-02	Waterways	2022	WW	\$ 250,000	5	3	4	3	2	4	20	12	12	9	4	8	
44 Re-power Unit #1	2022-298-02	Waterways	2022	WW	\$ 47,000	5	2	1	3	0	2	20	8	3	9	0	4	
45 Maintenance and Improvement Dredging	2022-298-03	Waterways	2022	WW	\$ 300,000	5	2	3	2	0	1	20	8	9	6	0	2	
69 Replacement of Docks & Gangways Cole Pkwy Marina	2023-298-01	Waterways	2023	WW	\$ 250,000	5	3	4	3	3	5	20	12	12	9	6	10	
49 Expansion of SMP, Eng & Design of Addtl Floats & Piles	2023-298-02	Waterways	2023	WW	\$ 300,000	5	2	3	2	0	3	20	8	9	6	0	6	
31 Pump Out Float for North & South River	2023-298-04	Waterways	2023	WW	\$ 72,000	5	0	2	1	0	1	20	0	6	3	0	2	
65 Replacement of Docks & Electrical Cole Pkwy Marina	2024-298-02	Waterways	2024	WW	\$ 250,000	5	3	4	3	3	3	20	12	12	9	6	6	
42 Replacement of 2019 Harbormaster Truck	2025-298-01	Waterways	2025	WW	\$ 45,000	5	0	1	3	0	5	20	0	3	9	0	10	
				<b>WW Total</b>	<b>\$ 2,062,000</b>													
				<b>Grand Total</b>	<b>\$ 150,543,386</b>													

\*Not previously on capital plan

**Town of Scituate**  
**FY2021 Town Administrator Capital Plan Recommendations - Sorted by Fund**

		AVAILABLE FUNDING SOURCES																						
		Reserved Fund	\$500,000 GF	GF	GF	GF	GF	Meals Tax Levy	\$75,000 Beach	All	\$500,000 Water	Water	Water	\$500,000 Sewer	Sewer	\$300,000 Transfer	Transfer	\$300,000 Waterways	\$39,354 Golf	Golf	Golf	Total		
Total Project	Project #	Department	Year	Fund	Request	Free Cash	Other GF Articles	Cap Stab	Tax Levy	Beach Revolv	Borrowing	Water RE	Water Arts	Wtr Cap Stab	Sewer RE	Swr Cap Stab	T Stn RE	Transfer Arts	Wways RE	Golf RE	Golf Arts	Golf Cap Stab	Total Recomm	
						\$1,396,123	\$28,559	\$222,072	\$184,000	\$250,817	\$0	\$270,063	\$123	\$54,380	\$557,291	\$118,096	\$96,421	\$1,000	\$131,818	\$0	\$6,656	\$15,129		
49	Minot Beach Parking Lot	2021-630-01	Recreation/DPW	2021	BCH	\$ 247,192				\$ 247,192													\$ 247,192	
					<b>BCH Total</b>	<b>\$ 247,192</b>				<b>\$ 247,192.00</b>													<b>\$ 247,192</b>	
66	Roads & Sidewalks	2021-422-04	DPW - Highway	2021	GF	\$ 200,000	\$ 200,000																\$ 200,000	
60	Foreshore Repairs - FEMA - Egypt Beach Berm (1)	2021-411-01	DPW - Foreshore Protection	2021	GF	\$ 1,000,000					\$ 1,000,000												\$ 1,000,000	
56	Foreshore Repairs - FEMA - 1st, 2nd, 3rd Cliffs (1)	2021-411-02	DPW - Foreshore Protection	2021	GF	\$ 12,000,000					\$ 12,000,000												\$ 12,000,000	
49	Replace Ambulance	2021-220-02	Fire	2021	GF	\$ 365,000	\$ 315,000	\$ 50,000															\$ 365,000	
49	Simplivity Data Infrastructure*	2021-155-01	Information Technology	2021	GF	\$ 205,938	\$ 205,398																\$ 205,398	
48	Humarock Fire Station Quarters Replacement	2021-220-01	Fire	2021	GF	\$ 260,000				\$ 260,000													\$ 260,000	
47	MS4 Compliance	2021-421-01	DPW-Engineering	2021	GF	\$ 50,000	\$ 50,000																\$ 50,000	
46	Foreshore Protection	2021-411-03	DPW - Foreshore Protection	2021	GF	\$ 200,000	\$ 71,000	\$ 129,000															\$ 200,000	
46	Generator at Library	2021-410-01	Facilities (Library)	2021	GF	\$ 210,000																	\$ -	
46	Permitting Software*	2021-155-03	Information Technology	2021	GF	\$ 60,000																	\$ -	
45	Replace Carpeting - High School	2021-300-01	School	2021	GF	\$ 65,000	\$ 65,000																\$ 65,000	
41	Replace 2006 Chevy Colorado	2021-411-01	DPW-Engineering	2021	GF	\$ 35,000	\$ 35,000																\$ 35,000	
43	Replace Flooring - High School	2021-300-02	School	2021	GF	\$ 250,000																	\$ -	
43	High School Locker Rooms	2021-300-03	School	2021	GF	\$ 710,000				\$ 710,000													\$ 710,000	
41	Replace SPED Vans	2021-300-05	School	2021	GF	\$ 80,000	\$ 80,000																\$ 80,000	
37	Replace 2002 Ford Van	2021-411-03	DPW-Engineering	2021	GF	\$ 35,000	\$ 35,000																\$ 35,000	
39	Briarwood Lane	2021-422-05	DPW - Highway	2021	GF	\$ 43,000																	\$ -	
39	Bullrush Farm Road	2021-422-06	DPW - Highway	2021	GF	\$ 45,000																	\$ -	
39	Wampatuck Portico	2021-300-04	School	2021	GF	\$ 175,000				\$ 175,000													\$ 175,000	
39	School Technology	2021-300-06	School	2021	GF	\$ 150,000	\$ 150,000																\$ 150,000	
39	Wireless Smoke Detectors-Cushing & Hatherly	2021-300-07	School	2021	GF	\$ 50,000	\$ 21,441	\$ 28,559															\$ 50,000	
45	Street Sweeper	2021-422-01	DPW - Highway	2021	GF	\$ 242,000																	\$ -	
37	Townsend Road	2021-422-07	DPW - Highway	2021	GF	\$ 32,000																	\$ -	
37	Sedgewick Road	2021-422-08	DPW - Highway	2021	GF	\$ 89,000																	\$ -	
37	Cushing Accessibility Requests (OCR)	2021-300-08	School	2021	GF	\$ 50,000	\$ 50,000																\$ 50,000	
36	Replace 1985 John Deere Tractor	2021-429-03	DPW - Grounds	2021	GF	\$ 42,000	\$ 33,000	\$ 9,000															\$ 42,000	
35	Marilyn Road	2021-422-10	DPW - Highway	2021	GF	\$ 34,500																	\$ -	
35	Captain Peirce Road	2021-422-11	DPW - Highway	2021	GF	\$ 58,500																	\$ -	
33	Truck 2-5, Medium Duty Dump Truck	2021-429-02	DPW - Grounds	2021	GF	\$ 97,000	\$ 3,000		\$ 94,000														\$ 97,000	
37	Log Chipper	2021-429-01	DPW - Grounds	2021	GF	\$ 55,000																	\$ -	
37	Marine Unit Repowering & Safety Equipment	2021-210-01	Police	2021	GF	\$ 67,579																	\$ -	
34	Truck 1-8, Diesel Pick-up Truck	2021-422-02	DPW - Highway	2021	GF	\$ 45,000			\$ 45,000														\$ 45,000	
29	Truck 1-2, Diesel Pick-up Truck	2021-422-03	DPW - Highway	2021	GF	\$ 45,000			\$ 45,000														\$ 45,000	
29	Vermeer Stump Grinder	2021-429-04	DPW - Grounds	2021	GF	\$ 43,000																	\$ -	
29	Fiber Connection for Town Buildings*	2021-155-02	Information Technology	2021	GF	\$ 358,104																	\$ -	
25	Replace Facilities Director & Handyman Vehicles	2021-410-02	Facilities	2021	GF	\$ 52,039	\$ 32,000																\$ 32,000	
18	Replace 2005 Admin Vehicle	2021-220-03	Fire	2021	GF	\$ 50,000	\$ 50,000																\$ 50,000	
					<b>GF Total</b>	<b>\$ 17,549,660</b>	<b>\$ 1,395,839</b>	<b>\$ 28,559</b>	<b>\$ 188,000</b>	<b>\$ 184,000</b>	<b>\$ -</b>	<b>\$ 14,145,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,941,398</b>
66	Widows Walk Upgrades (Clubhouse & Site)	2021-661-01	Widows Walk	2021	Golf	\$ 1,450,000				\$ 1,450,000													\$ 1,450,000	
					<b>Golf Total</b>	<b>\$ 1,450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,450,000</b>
71	Infiltration/Inflow- Oceanside	2021-440-03	Sewer	2021	S	\$ 4,900,000								\$ 181,904	\$ 118,096								\$ 300,000	
69	Inflow & Infiltration Amnesty Program*	2021-440-04	Sewer	2021	S	\$ 210,000								\$ 210,000									\$ 210,000	
68	Clarifier Launder Coating*	2021-440-02	Sewer	2021	S	\$ 75,000								\$ 75,000									\$ 75,000	
58	Sewer Main Inspection System*	2021-440-05	Sewer	2021	S	\$ 102,500								\$ 102,500									\$ 102,500	
58	Facilities Plan	2021-440-01	Sewer	2021	S	\$ 660,000																	\$ -	
					<b>S Total</b>	<b>\$ 5,947,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 569,404</b>	<b>\$ 118,096</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 687,500</b>
56	Replace 1983 Tractor Yard Jockey	2021-433-02	Transfer Station	2021	TS	\$ 65,000										\$ 64,000	\$ 1,000						\$ 65,000	
56	Replace 2010 Backhoe	2021-433-01	Transfer Station	2021	TS	\$ 142,000																	\$ -	
52	Replace 2005 Chevy 3500 Truck*	2021-433-02	Transfer Station	2021	TS	\$ 55,000																	\$ -	
44	Powerwash & Paint Metal Space Buildings	2021-433-03	Transfer Station	2021	TS	\$ 45,000																	\$ -	
					<b>TS Total</b>	<b>\$ 307,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 64,000</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 65,000</b>
67	Permanent Residuals Disposal Well 18B Treatment*	2021-450-03	Water	2021	W	\$ 350,000				\$ 350,000													\$ 350,000	
67	Replace Water Mains	2021-450-06	Water	2021	W	\$ 2,000,000				\$ 2,000,000													\$ 2,000,000	
67	Humarock Water Mains-Construction	2022-450-06	Water	2021	W	\$ 5,000,000																	\$ -	
66	Chemical Feed System Replacement - 2 locations	2021-450-04	Water	2021	W	\$ 35,000				\$ 35,000													\$ 35,000	
66	Ice Piggging	2021-450-08	Water	2021	W	\$ 400,000				\$ 145,877	\$ 123	\$ 54,000											\$ 200,000	
62	Repairs to Water Treatment Plant	2021-450-05	Water	2021	W	\$ 100,000																	\$ -	
60	Replace 2005 Chevy Colorado Pick-up (#34)*	2021-450-01	Water	2021	W	\$ 48,000				\$ 48,000													\$ 48,000	
54	10 Yr Meter replacement cycle program	2021-450-07	Water	2021	W	\$ 200,000																	\$ -	
46	New 2500 4x4 Pick-up*																							

**Town of Scituate**  
**FY2021 Town Administrator Capital Plan Recommendations - Sorted by Fund**

Total Project	Project #	Department	Year	Fund	Request	AVAILABLE FUNDING SOURCES														Total Recomm			
						Reserved Fund	\$500,000 GF	GF	GF	GF	Meals Tax Tax Levy	\$75,000 Beach	All	\$500,000 Water	Water	Water	\$500,000 Sewer	Sewer	\$300,000 Transfer		Transfer	\$300,000 Waterways	\$39,354 Golf
						Free Cash	Other GF Articles	Cap Stab		Beach Revolv	Borrowing	Water RE	Water Arts	Wtr Cap Stab	Sewer RE	Swr Cap Stab	T Stn RE	Transfer Arts	Wways RE	Golf RE	Golf Arts	Golf Cap Stab	
						\$1,396,123	\$28,559	\$222,072	\$184,000	\$250,817	\$0	\$270,063	\$123	\$54,380	\$557,291	\$118,096	\$96,421	\$1,000	\$131,818	\$0	\$6,656	\$15,129	

\*Not previously on capital plan

(1) This is the total project cost for spending authorization but the project is supported 75% from FEMA reimbursements so the net cost should be 25% of the authorized amount.

## Capital Project and Other Articles

This listing is provided for the Capital Planning Committee to discuss ongoing projects with departments during their meetings and identify available project balances that can be used for another purpose. Project balances are restricted by fund and cannot be applied to projects from other funds. Building project funds funded by debt exclusions are not included on this listing.

Org	Object	Project (3)	Dept	Description	Fund	Available Balance	Amount		Comment
							10/7/19	Available for Re-use (1)	
1161914	589000	14A5F	Town Clerk	Voting Machines	GF	\$ 6,400.50	\$ 6,400.50		STM 11/5/19 Facilities study
1220917	589000	17A3D	Fire	Renovate Station 4	GF	\$ 225,750.22	\$ -		
1220918	589000	18A3L	Fire	Rescue Pumper Replacement	GF	\$ 7,646.00			Ask department
1220918	589000	18A3N	Fire	Communications Equip Strn 1&4	GF	\$ 28,038.95	\$ -		
1220918	589000	18A3F	Fire	Station 4 Phase 2 Renov	GF	\$ 48,221.60	\$ -		
1220919	589000	19A3E	Fire	HUMAROCK FIRE STN RENOVATION	GF	\$ 275,000.00	\$ -		
1300914	589000	14S10	School	School Painting	GF	\$ 24,165.17			
1300915	589000	15A3E	School	Jenkins Outside Stairs	GF	\$ 50,000.00	\$ -		
1300916	589000	16S4	School	Cushing & HS Field Well	GF	\$ 38,770.00			check with DPW - took over project at School Department request
1300917	589000	17A3I	School	Hatherly Cushing Modulars	GF	\$ 10,404.38			
1300917	589000	17A3E	School	Jenkins Swing Set	GF	\$ 28,380.00	\$ 28,380.00		
1300917	589000	17A3J	School	Ceiling Tile Replacement H-C	GF	\$ 40,000.00			
1300918	589000	183CC	School	School Carpeting	GF	\$ 77.93	\$ 77.93		
1300918	589000	18A3X	School	Design HS Locker Rooms	GF	\$ 2,766.00			
1300919	589000	19A3M	School	WAMPATUCK FIRE DOORS	GF	\$ 835.00			
1410917	589000	17A3P	Facilities	ADA Transition Plan	GF	\$ 10.00	\$ 10.00		
1410917	589000	17A3M	Facilities	Police Station Demolition	GF	\$ 23,928.51			
1410919	589000	19A3F	Facilities	SECURITY UPGRADES TO FACILITIES	GF	\$ 48,024.00			
1410919	589000	19A3C	Facilities	ADA EVALUATION & TRANSITION	GF	\$ 100,000.00	\$ 100,000.00		STM 11/5/19 Facilities study
1411911	589000	11A3K	DPW	DPW Survey Equipment	GF	\$ 2,511.45			
1411914	589000	14A5M	DPW	MS4 Compliance	GF	\$ 18,441.89			
1411916	589000	16A4E	DPW	Foreshore Protection	GF	\$ 34,039.02			
1411917	589000	17A3F	DPW	Foreshore Protection	GF	\$ 4,843.50			
1411917	589000	17A3A	DPW	Road & Sidewalk Impvmnts	GF	\$ 220,565.11			
1411919	589000	19A3I	DPW	MS4 COMPLIANCE	GF	\$ 50,000.00			
1422915	589000	15A3F	DPW	Roadway Improvements	GF	\$ 107,050.84			
1422916	589000	16A4D	DPW	Road & Sidewalk Improvements	GF	\$ 35,075.98			
1422918	589000	18A3S	DPW	Vehicle #2-7 replacement	GF	\$ 91.00	\$ 91.00		
1422919	589000	19A3L	DPW	BACKHOE REPLACEMENT	GF	\$ 10,200.00			
1422919	589000	19A3A	DPW	ROADS & SIDEWALKS	GF	\$ 300,000.00			
1429919	589000	19A3K	DPW	TRUCK 2-9 REPLACEMENT	GF	\$ 3,795.96			
1429919	589000	19A3B	DPW	CUDWORTH CEMETERY	GF	\$ 84,861.60			
1630917	589000	17A3K	Recreation	Turf Carpet Replacement	GF	\$ 445,000.00			
32000580	589000	14A5B	Police	Radio Communications System	GF (2)	\$ 746.38			
32000580	589000	13A3I	DPW	Maintain Roadways & Sidewalks	GF (2)	\$ 8,690.20			
32000580	589000	18A3E	DPW	Roads & Sidewalks	GF (2)	\$ 39,712.61			
32000580	589000	18A3I	DPW	Foreshore Protection	GF (2)	\$ 79,162.11			
32000580	589000	14A5C	DPW	Roadway Improvements	GF (2)	\$ 167,256.80			
32000580	589000	12A4H	Facilities	Energy savings contract (ESCO)	GF (2)	\$ 249,064.29			
32000580	589000	18S6	DPW	FEMA Foreshore Design	GF (2)	\$ 355,700.00			
<b>Total General Fund Articles</b>						<b>\$</b>	<b>3,175,227.00</b>	<b>\$ 134,959.43</b>	
34000580	589000	164AA	Sewer	SCADA Phase 2 of 3	S(2)	\$ 370.86			
34000580	589000	16A4Y	Sewer	Copper Limit Reduction Study	S(2)	\$ 38,293.74			
34000580	589000	173FF	Sewer	Cedar Point Inflow & Infiltrn	S(2)	\$ 85,301.32			
34000580	589000	173EE	Sewer	Copper Limit Reduction Ph 2	S(2)	\$ 93,000.00			
64440912	589000	12A4M	Sewer	Inflow/infiltration reduction	S	\$ 56,459.39			
64440914	589000	4A5BB	Sewer	Inflow & Infiltration	S	\$ 146,843.35			
64440915	589000	15A3R	Sewer	Upgrade Sand Hills Pump Station	S	\$ 31,844.81			
64440917	589000	173HH	Sewer	Rehabilitation Clarifier 3	S	\$ 16,222.86			
64440917	589000	173GG	Sewer	Sewer SCADA Phase 3	S	\$ 33,850.00			
64440918	589000	183GG	Sewer	Rehab Belt Filter & Sludge	S	\$ 23,594.00			
64440918	589000	18S02	Sewer	TOWN SHARE MVP GRANT	S	\$ 26,000.00	\$ 26,000.00		STM 11/5/19 Security upgrades
64440918	589000	183HH	Sewer	Aeration Tanks 1 & 2 Rehab	S	\$ 38,280.00			
64440918	589000	183II	Sewer	Sand Hills & Chain Pond Final	S	\$ 42,285.98			
64440918	589000	183KK	Sewer	Replace grinders,digester,poly	S	\$ 63,667.64			
64440919	589000	19A3O	Sewer	OSHA & SPCC COMPLIANCE	S	\$ 30,000.00			
64440919	589000	19A3P	Sewer	DEWATERING HEATING SYSTEM	S	\$ 100,000.00			
64440919	589000	19A3N	Sewer	SCADA PHASE 4	S	\$ 330,000.00			
<b>Total Sewer Enterprise Fund Articles</b>						<b>\$</b>	<b>1,156,013.95</b>	<b>\$ 26,000.00</b>	



## Capital Project and Other Articles

This listing is provided for the Capital Planning Committee to discuss ongoing projects with departments during their meetings and identify available project balances that can be used for another purpose. Project balances are restricted by fund and cannot be applied to projects from other funds. Building project funds funded by debt exclusions are not included on this listing.

Org	Object	Project (3)	Dept	Description	Fund	Available Balance 10/7/19	Amount Available for		Comment
							Re-use (1)		
35000580	589000	183PP	Water	Meter Replacement	W(2)	\$ 5,515.59	\$ -		
35000580	589000	12A4R	Water	Water back-up generator well #	W(2)	\$ 28,607.05			
35000580	589000	16Q4S	Water	Design Water Plant Filter Expn	W(2)	\$ 45,500.00			
35000580	589000	16A4T	Water	SCADA at Wells	W(2)	\$ 74,525.93			
35000580	589000	18S5	Water	Emergency WTP Repairs	W(2)	\$ 103,787.58			
35000580	589000	183NN	Water	Chemical Feed Tanks	W(2)	\$ 171,462.00			
35000580	589000	10A4H	Water	Water Mains	W(2)	\$ 281,511.46	\$ -		
65450913	589000	13N11	Water	Water Main Replacement	W	\$ 512,105.26	\$ -		
65450914	589000	14A5W	Water	Standpipe Repair & Maintenance	W	\$ 18,067.00			
65450916	589000	16A4V	Water	WTP Fire & Security Upgrades	W	\$ 4,815.00			
65450916	589000	16A4R	Water	Well #17 Upgrades	W	\$ 6,510.06			
65450916	589000	16A4P	Water	Emergency Generator Well #18	W	\$ 40,864.63			
65450916	589000	16A4O	Water	Well #19 Envir. Review	W	\$ 49,237.90			
65450917	589000	17A3Z	Water	Trac Vac System Upgrade	W	\$ 8,000.00			Ask department
65450917	589000	17A3Y	Water	Dolan Field Design & Permitting	W	\$ 57,800.00			
65450917	589000	173AA	Water	Reservoir Feed Project	W	\$ 104,610.00			
65450918	589000	18S2	Water	Prior Year Unpaid Bills	W	\$ 22.54	\$ 22.54		
65450918	589000	183RR	Water	Upgrade to Well #17A	W	\$ 8,540.00			
65450918	589000	18S02	Water	TOWN SHARE RESERVOIR SRF	W	\$ 13,458.31	\$ -		
65450919	589000	19A3V	Water	MINI EXCAVATOR	W	\$ 100.00	\$ 100.00		
65450919	589000	19A3S	Water	ICE PIGGING	W	\$ 192,985.89			
<b>Total Water Enterprise Fund Articles</b>						<b>\$ 1,728,026.20</b>	<b>\$ 122.54</b>		
61661917	589000	17A3U	Widows Wlk	Irrigation System Design	G	\$ 2,350.00			
61661917	589000	17A3V	Widows Wlk	HVAC Replacement	G	\$ 4,806.00	\$ 4,806.00		
61661918	589000	18A3C	Widows Wlk	Netting Replacement	G	\$ 40,000.00	\$ 1,850.00		
<b>Total Widows Walk Enterprise Fund Articles</b>						<b>\$ 47,156.00</b>	<b>\$ 6,656.00</b>		
63433580	589000	16A4X	Transfer Stn	Rolloff Container Truck	T	\$ 5,000.00			Ask department
63433917	589000	173DD	Transfer Stn	Landfill Gas Piping	T	\$ 175,000.00			
63433918	589000	18S2	Transfer Stn	PRIOR YEAR UNPAID BILLS	T	\$ 1,000.00	\$ 1,000.00		
63433918	589000	183LL	Transfer Stn	Sand Blast & Paint Scale	T	\$ 40,000.00			
63433919	589000	19A3Q	Transfer Stn	CRACK SEAL & PAVEMENT MRKGS	T	\$ 40,000.00			
<b>Total Transfer Station Enterprise Fund Articles</b>						<b>\$ 261,000.00</b>	<b>\$ 1,000.00</b>		
36000580	589000	07417	Harbormaster	MARINA EXPANSION	WW(2)	\$ 22,090.04			
36000580	589000	13A3N	Harbormaster	GRANITE BLOCK ANCHORS	WW(2)	\$ 50,000.00	\$ 50,000.00	STM 11/5/19 usage-Marina Pilings	
36000580	589000	03S3	Harbormaster	SOUTH RIVER DREDGING	WW(2)	\$ 80,881.99	\$ -		
66298912	589000	12A4W	Harbormaster	Rehab South River Launch	WW	\$ 25,000.00	\$ 25,000.00	STM 11/5/19 usage-Marina Pilings	
66298912	589000	12A4V	Harbormaster	Dredging - South River	WW	\$ 30,000.00			
66298913	589000	13A3Q	Harbormaster	Repairs Harbormaster Building	WW	\$ 14,450.00			
66298915	589000	15A3O	Harbormaster	Replace HVAC System HM Bldg	WW	\$ 10,200.00			
66298917	589000	17A3T	Harbormaster	Dock De-Icers	WW	\$ 7,136.30			
66298917	589000	17A3S	Harbormaster	Upgrade CPM Electrical	WW	\$ 48,611.05	\$ 48,611.05	STM 11/5/19 usage-Marina Pilings	
66298918	589000	18S02	Harbormaster	TOWN SHARE MARINA PROJECT	WW	\$ 68,558.10			
66298918	589000	183TT	Harbormaster	Pilings Replacement & Addition	WW	\$ 140,610.00			
66298919	589000	19S1	Harbormaster	FEMA ELECTRICAL REPAIRS	WW	\$ 12,782.17	\$ 12,782.17	STM 11/5/19 usage-Marina Pilings	
66298919	589000	19A3X	Harbormaster	COMPREHENSIVE DREDGE PERMIT	WW	\$ 40,000.00			
66298919	589000	19A3W	Harbormaster	REPLACE PUMP OUT BOAT	WW	\$ 57,000.00	\$ 57,000.00	STM 11/5/19 usage-Marina Pilings	
<b>Total Waterways Enterprise Fund Articles</b>						<b>\$ 607,319.65</b>	<b>\$ 193,393.22</b>		

- (1) Department that originally requested funds reports that the remaining funds can be re-used for another project. Please confirm availability of identified funds as well as those of all projects in case there has been a change of circumstance.
- (2) Indicated project funded with borrowed funds. Re-use of borrowed funds have special restrictions. They can only be re-used for a project with a borrowing term of an equal or greater term. For example, one could re-use \$500 left over from the purchase of a truck (5 years) to renovate a building (20 years) but one could not use \$500 left over from renovating a building to buy a truck.
- (3) First two digits of project number indicate the year approved by town meeting.

### Available Funding Sources to Support FY 2021 Capital Plan

Description	Fund Restriction	Amount as of 10/7/19	Proposed for Use at STM 11/5/19	Reserved for Emergencies & Future Use	Balance Available for FY21 Capital Plan
Beach Revolving	Beach	\$325,817.28		(\$75,000.00)	\$250,817.28
	<b>Total Beach Revolving</b>	<b>\$325,817.28</b>	<b>\$0.00</b>	<b>(\$75,000.00)</b>	<b>\$250,817.28</b>
Free Cash	General Fund	\$2,501,361.00	(\$605,238.00)	(\$500,000.00)	\$1,396,123.00
General Fund Articles	General Fund	\$134,959.43	(\$106,400.50)		\$28,558.93
Capital Stabilization Fund (1)	General Fund	\$222,072.36			\$222,072.36
Meals Tax	General Fund	\$84,000.00			\$84,000.00
Tax Levy	General Fund	\$100,000.00			\$100,000.00
Commonwealth Ride Share Funds	General Fund-Roads	\$859.50	(\$859.50)		\$0.00
	<b>Total General Fund</b>	<b>\$3,043,252.29</b>	<b>(\$712,498.00)</b>	<b>(\$500,000.00)</b>	<b>\$1,830,754.29</b>
PEG Access (Cable TV) Revolving	PEG Access	\$1,313,701.71		(\$500,000.00)	\$813,701.71
	<b>Total PEG Access (Cable TV) Revolving</b>	<b>\$1,313,701.71</b>	<b>\$0.00</b>	<b>(\$500,000.00)</b>	<b>\$813,701.71</b>
Sewer Enterprise Articles	Sewer	\$26,000.00	(\$26,000.00)		\$0.00
Sewer Enterprise Retained Earnings	Sewer	\$1,069,216.00	(\$11,925.00)	(\$500,000.00)	\$557,291.00
Sewer Capital Stabilization Fund	Sewer	\$118,096.45			\$118,096.45
	<b>Total Sewer Enterprise</b>	<b>\$1,213,312.45</b>	<b>(\$37,925.00)</b>	<b>(\$500,000.00)</b>	<b>\$675,387.45</b>
Transfer Station Enterprise Articles	Transfer Station	\$1,000.00			\$1,000.00
Transfer Station Enterprise Retained Earnings	Transfer Station	\$396,421.00		(\$300,000.00)	\$96,421.00
	<b>Total Transfer Station Enterprise</b>	<b>\$397,421.00</b>	<b>\$0.00</b>	<b>(\$300,000.00)</b>	<b>\$97,421.00</b>
Water Enterprise Articles	Water	\$122.54			\$122.54
Water Enterprise Retained Earnings	Water	\$980,713.00	(\$210,650.00)	(\$500,000.00)	\$270,063.00
Water Capital Stabilization Fund	Water	\$54,380.09			\$54,380.09
	<b>Total Water Enterprise</b>	<b>\$1,035,215.63</b>	<b>(\$210,650.00)</b>	<b>(\$500,000.00)</b>	<b>\$324,565.63</b>
Waterways Enterprise Articles	Waterways	\$193,393.22	(\$193,393.22)		\$0.00
Waterways Enterprise Retained Earnings	Waterways	\$449,593.00	(\$17,775.00)	(\$300,000.00)	\$131,818.00
Waterways Capital Stabilization Fund	Waterways	\$0.00			\$0.00
	<b>Total Waterways Enterprise</b>	<b>\$642,986.22</b>	<b>(\$211,168.22)</b>	<b>(\$300,000.00)</b>	<b>\$131,818.00</b>
Widows Walk Enterprise Articles	Widows Walk (Golf)	\$6,656.00			\$6,656.00
Widows Walk Enterprise Retained Earnings	Widows Walk (Golf)	\$39,354.00		(\$39,354.00)	\$0.00
Widows Walk Capital Stabilization Fund	Widows Walk (Golf)	\$15,128.65			\$15,128.65
	<b>Total Widows Walk (Golf) Enterprise</b>	<b>\$61,138.65</b>	<b>\$0.00</b>	<b>(\$39,354.00)</b>	<b>\$21,784.65</b>
<b>GRAND TOTAL - ALL FUNDS</b>		<b>\$8,032,845.23</b>	<b>(\$1,172,241.22)</b>	<b>(\$2,714,354.00)</b>	<b>\$4,146,250.01</b>

Stabilization Fund (2)	General Fund	\$4,304,417.05			TBD - BOS
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(1) Balance includes set-asides of \$129,000 for Foreshore Protection and \$50,000 for fire pumper. Remaining balance is unallocated.

(2) Any proposed use of the Stabilization Fund for capital projects needs to be approved in advance by the Board of Selectmen.



**Town of Scituate, Massachusetts**  
**Long-Term Net Debt Service as of January 30, 2019**  
**TAX SUPPORTED**

Date of Issue	Purpose	Type of Payment	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	Total
<b>Existing Debt Service</b>			<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>Total</u>
<b>Tax-Supported Non-Exempt Debt Service</b>																							
	Total Principal		1,183,424	1,155,635	1,134,165	1,127,767	1,046,440	980,188	819,010	667,910	661,888	665,946	595,085	599,308	603,616	588,010	427,492	432,065	436,730	219,923	55,005	25,000	14,388,390
	Total Interest		428,137	392,471	349,706	307,813	267,117	230,341	198,058	169,476	147,319	125,146	102,759	83,899	66,829	51,854	39,102	28,530	17,615	6,577	2,138	844	3,283,503
	Total Payment		1,611,562	1,548,106	1,483,871	1,435,580	1,313,557	1,210,529	1,017,069	837,386	809,207	791,092	697,845	683,207	670,445	639,864	466,595	460,595	454,345	226,500	57,143	25,844	17,671,893
<b>Tax-Supported Exempt Debt Service</b>																							
	Total Principal		3,264,750	3,255,000	3,250,000	3,250,000	3,250,000	3,240,000	2,770,000	2,770,000	2,770,000	2,770,000	2,765,000	2,755,000	2,700,000	2,700,000	2,685,000	2,685,000	2,685,000	2,685,000	2,685,000	2,685,000	63,476,606
	Total Interest		2,566,042	2,405,394	2,243,394	2,082,769	1,922,069	1,761,419	1,612,744	1,475,663	1,351,766	1,240,934	1,130,072	1,019,538	909,563	802,219	695,063	588,113	481,106	374,100	267,038	159,919	27,811,851
	Total Payment		5,830,792	5,660,394	5,493,394	5,332,769	5,172,069	5,001,419	4,382,744	4,245,663	4,121,766	4,010,934	3,895,072	3,774,538	3,609,563	3,502,219	3,380,063	3,273,113	3,166,106	3,059,100	2,952,038	2,844,919	91,288,457



**Town of Scituate, Massachusetts**  
**Long-Term Net Debt Service as of January 30, 2019**  
**WATER**

Date of Issue	Purpose	Type of Payment	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Total
3/17/2011	Water Main 1 (O)	Principal	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	-	-	-	-	-	-	-	-	-	395,000
		Interest	14,025	12,525	11,025	10,088	9,113	8,100	7,050	5,925	4,800	3,600	2,400	1,200	-	-	-	-	-	-	-	-	-	105,275
3/17/2011	Water Main 2 (O)	Principal	20,000	20,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	-	-	-	-	-	-	-	-	-	210,000
		Interest	7,513	6,513	5,513	5,044	4,556	4,050	3,525	2,963	2,400	1,800	1,200	600	-	-	-	-	-	-	-	-	-	53,988
3/17/2011	Water Departmental Equipment (O)	Principal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,000
		Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
3/17/2011	County Way Watermain (O)	Principal	30,000	30,000	30,000	30,000	30,000	30,000	25,000	25,000	25,000	20,000	20,000	20,000	-	-	-	-	-	-	-	-	-	345,000
		Interest	12,250	10,750	9,250	8,313	7,338	6,325	5,275	4,338	3,400	2,400	1,600	800	-	-	-	-	-	-	-	-	-	85,488
3/17/2011	Stockbridge Road Watermain (O)	Principal	40,000	40,000	40,000	40,000	40,000	40,000	35,000	35,000	30,000	30,000	30,000	30,000	-	-	-	-	-	-	-	-	-	470,000
		Interest	16,725	14,725	12,725	11,475	10,175	8,825	7,425	6,113	4,800	3,600	2,400	1,200	-	-	-	-	-	-	-	-	-	118,513
3/17/2011	Water Mains - Tilden (O)	Principal	10,000	10,000	10,000	10,000	10,000	10,000	5,000	5,000	5,000	5,000	5,000	5,000	-	-	-	-	-	-	-	-	-	100,000
		Interest	3,500	3,000	2,500	2,188	1,863	1,525	1,175	988	800	600	400	200	-	-	-	-	-	-	-	-	-	22,638
3/17/2011	Water - Dump Truck (I)	Principal	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,000
		Interest	1,500	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,350
3/17/2011	Water Mains (O)	Principal	65,000	65,000	65,000	65,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	-	-	-	-	-	-	-	-	-	805,000
		Interest	28,869	25,619	22,369	20,338	18,225	16,200	14,100	11,850	9,600	7,200	4,800	2,400	-	-	-	-	-	-	-	-	-	213,038
3/17/2011	Dam Repairs (O)	Principal	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,000
		Interest	1,000	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,900
11/15/2012	Meter Replacement (O)	Principal	20,000	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80,000
		Interest	1,000	600	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,300
11/15/2012	Water Mains (O)	Principal	15,000	15,000	15,000	15,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-	-	175,000
		Interest	3,303	3,003	2,703	2,403	2,153	1,953	1,753	1,545	1,331	1,119	894	650	400	138	-	-	-	-	-	-	-	27,021
11/15/2012	Water Main Replacement Work (O)	Principal	10,000	10,000	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,000
		Interest	700	500	300	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,550
6/29/2015	Water Pipe Replacement (O)	Principal	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	-	-	-	-	-	340,000
		Interest	13,900	12,900	11,900	10,900	9,900	8,900	7,900	6,900	6,000	5,200	4,400	3,600	2,800	2,000	1,200	400	-	-	-	-	-	123,600
6/29/2015	Water Pipe Improvement & Replacement 1 (O)	Principal	275,000	275,000	275,000	275,000	275,000	275,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	5,975,000
		Interest	243,025	229,275	215,525	201,775	188,025	174,275	160,650	147,150	135,000	124,200	113,400	102,600	91,800	81,000	70,200	59,400	48,600	37,800	27,000	16,200	5,400	2,727,700
6/29/2015	Water Pipe Improvement & Replacement 2 (O)	Principal	290,000	290,000	290,000	290,000	290,000	290,000	290,000	290,000	290,000	290,000	290,000	285,000	285,000	285,000	285,000	285,000	285,000	285,000	285,000	285,000	285,000	6,330,000
		Interest	257,550	243,050	228,550	214,050	199,550	185,050	170,550	156,050	143,000	131,400	119,800	108,300	96,900	85,500	74,100	62,700	51,300	39,900	28,500	17,100	5,700	2,889,200
3/30/2016	Cur Ref of 3/1/05 Well Water Mains (O)	Principal	20,000	20,000	20,000	20,000	25,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	145,000
		Interest	4,100	3,300	2,500	1,700	900	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,800
3/30/2016	Cur Ref of 3/1/05 Water (O)	Principal	20,000	20,000	20,000	20,000	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130,000
		Interest	3,800	3,000	2,200	1,400	600	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,900
1/30/2019	Water Filter System Expansion Design (I)	Principal	20,000	20,000	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80,000
		Interest	3,833	3,000	2,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,833
1/30/2019	Water SCADA Upgrades (I)	Principal	28,000	20,000	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88,000
		Interest	4,217	3,000	2,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,217
1/30/2019	Finish Water Pumps & VFD Drives (I)	Principal	15,000	15,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,000
		Interest	1,917	1,250	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,667
1/30/2019	Creelman Tank Value Replacement (O)	Principal	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	80,000
		Interest	3,833	3,500	3,000	2,500	2,000	1,500	1,000	500	-	-	-	-	-	-	-	-	-	-	-	-	-	17,833
1/30/2019	Water Treatment Plant Chemical Feed Tanks (O)	Principal	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	430,000
		Interest	18,544	18,100	16,850	15,600	14,350	13,100	11,850	10,600	9,350	8,100	6,850	5,850	5,050	4,450	3,850	3,250	2,625	2,000	1,350	675	-	171,719
1/30/2019	Pickup Truck with Plow (Vehicle #34) (I)	Principal	28,000	25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53,000
		Interest	2,540	1,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,790
1/30/2019	Van with Plow (Vehicle #37)(I)	Principal	16,500	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,500
		Interest	1,509	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,259
1/30/2019	Water Meter Replacement (O)	Principal	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	175,000
		Interest	8,385	7,750	6,750	5,750	4,750	3,750	2,750	1,750	750	-	-	-	-	-	-	-	-	-	-	-	-	42,385
<b>Existing Debt Service</b>			<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>	<b>2036</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>	<b>2040</b>	<b>Total</b>
Water Enterprise Debt Service																								
Total Principal			1,052,500	1,040,000	965,000	935,000	875,000	870,000	815,000	815,000	795,000	775,000	770,000	765,000	605,000	605,000	595,000	595,000	575,000	575,000	575,000	575,000	555,000	16,632,500
Total Interest			657,537	608,609	558,359	515,621	473,496	434,253	395,003	356,670	321,231	289,219	258,144											

**Town of Scituate, Massachusetts**  
**Long-Term Net Debt Service as of January 30, 2019**

**WATERWAYS**

<u>Date of Issue</u>	<u>Purpose</u>	Type of <u>Payment</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>Total</u>
6/15/2008	Marine Park Facility (I)	Principal	25,000	25,000	25,000	20,000	-	-	-	-	-	-	-	-	120,000
		Interest	3,870	2,870	1,845	820	-	-	-	-	-	-	-	-	14,275
3/17/2011	Marine Park Recreational Facility (I)	Principal	65,000	65,000	65,000	65,000	40,000	40,000	-	-	-	-	-	-	410,000
		Interest	13,394	10,144	6,894	4,863	2,750	1,400	-	-	-	-	-	-	55,638
3/30/2016	Cur Ref of 3/1/05 Land Acquisition (I)	Principal	205,000	205,000	205,000	205,000	200,000	-	-	-	-	-	-	-	1,225,000
		Interest	36,800	28,600	20,400	12,200	4,000	-	-	-	-	-	-	-	147,000
1/30/2019	Dredging (I)	Principal	19,250	15,000	15,000	15,000	15,000	15,000	15,000	10,000	10,000	10,000	10,000	10,000	159,250
		Interest	7,535	6,900	6,150	5,400	4,650	3,900	3,150	2,400	1,900	1,400	900	400	44,685
<b>Existing Debt Service</b>			<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>Total</b>
<b>Waterways Enterprise Debt Service</b>															
	Total Principal		314,250	310,000	310,000	305,000	255,000	55,000	15,000	10,000	10,000	10,000	10,000	10,000	1,914,250
	Total Interest		61,599	48,514	35,289	23,283	11,400	5,300	3,150	2,400	1,900	1,400	900	400	261,597
	Total Payment		375,849	358,514	345,289	328,283	266,400	60,300	18,150	12,400	11,900	11,400	10,900	10,400	2,175,847



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-411-01
Project Title:	Replace 2006 Chevy Colorado
Category:	Equipment
Department: Engineering	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

Replacement of vehicle. Engineering Department in 2010 had 3 Town Vehicles. Currently down to 1 vehicle to share between 3 employees. Requires staff to utilize their personal vehicle to perform construction inspections, severe weather and road closures and report to resident complaints. Vehicle used to trailer message boards, tools, safety barrels and cones.

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

Staff required to use their own vehicle to respond to construction sites, resident complaints and severe weather conditions.

**Discuss Operating Budget Impact:**

Replacement of vehicle

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$35,000		\$35,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$35,000</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>\$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					






K14	110 VAC Power Outlet	\$ 150.00
5H1	2 Additional Keys	\$ 45.00
	Less Contract Discount for Options 3%	\$ (283.65)
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ <del>1,190.00</del>
288	4 Whelen Vertex Corner Flashers	\$ <del>750.00</del>
1613	7'6" Fisher Snow Plow System	\$ <del>5,730.00</del>
1624	Fisher Snow Foil	\$ <del>455.00</del>
1899	Spray-in Type Bedliner for Pick up	\$ <del>599.00</del>
1913	Slide-in Combination Pintel/Ball Hitch	\$ <del>157.00</del>
1951	Dealer Installed Remote Start System	\$ 349.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$41,519.48</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

Total \$32,638.48



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-411-03		
Project Title:	Replace 2002 Ford Van		
Category:	Equipment		
Department: Engineering	Contact:	Sean McCarthy	

<b>Department Priority:</b>	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

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

**Description:**  
*Replacement of vehicle taken off road (Rotten Frame and needs new transmission). Ford Van currently on list for Auction. Engineering Department in 2010 had 3 Town Vehicles. Currently down to 1 vehicle to share between 3 employees. Requires staff to utilize their personal vehicle to perform construction inspections, severe weather and road closures and report to resident complaints. Vehicle used to trailer message boards, tools, safety barrels and cones.*

**Benefits of Project and Impact if Not Completed:**  
 Staff required to use their own vehicle to respond to construction sites, resident complaints and severe weather conditions.

**Discuss Operating Budget Impact:**  
 Replacement of vehicle

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$35,000	\$35,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</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 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>\$35,000</b>	<b>\$35,000</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

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



K14	110 VAC Power Outlet	\$ 150.00
5H1	2 Additional Keys	\$ 45.00
	Less Contract Discount for Options 3%	\$ (283.65)
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ <del>1,190.00</del>
288	4 Whelen Vertex Corner Flashers	\$ <del>750.00</del>
1613	7'6" Fisher Snow Plow System	\$ <del>5,730.00</del>
1624	Fisher Snow Foil	\$ <del>455.00</del>
1899	Spray-in Type Bedliner for Pick up	\$ <del>599.00</del>
1913	Slide-in Combination Pintel/Ball Hitch	\$ <del>157.00</del>
1951	Dealer Installed Remote Start System	\$ 349.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$41,519.48</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

Total \$32,638.48



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-421-01
Project Title:	MS-4 (Municipal Separate Storm Sewer Systems)
Category:	Study
Department: Engineering	Contact: Sean McCarthy

<b>Department Priority:</b>	
<input checked="" type="checkbox"/>	Urgent/Legally Required
<input type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

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

**Description:**  
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**

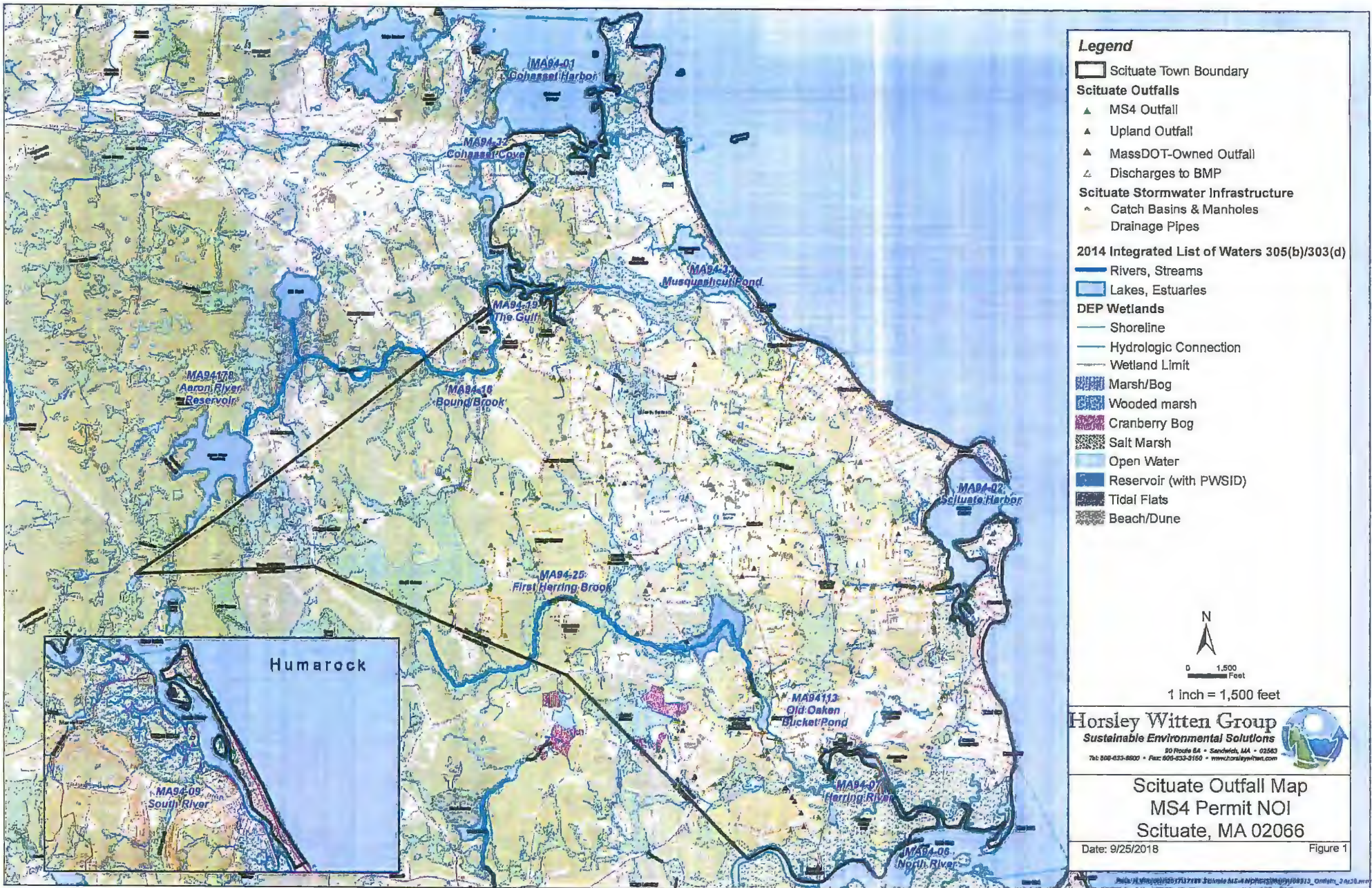
Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</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>

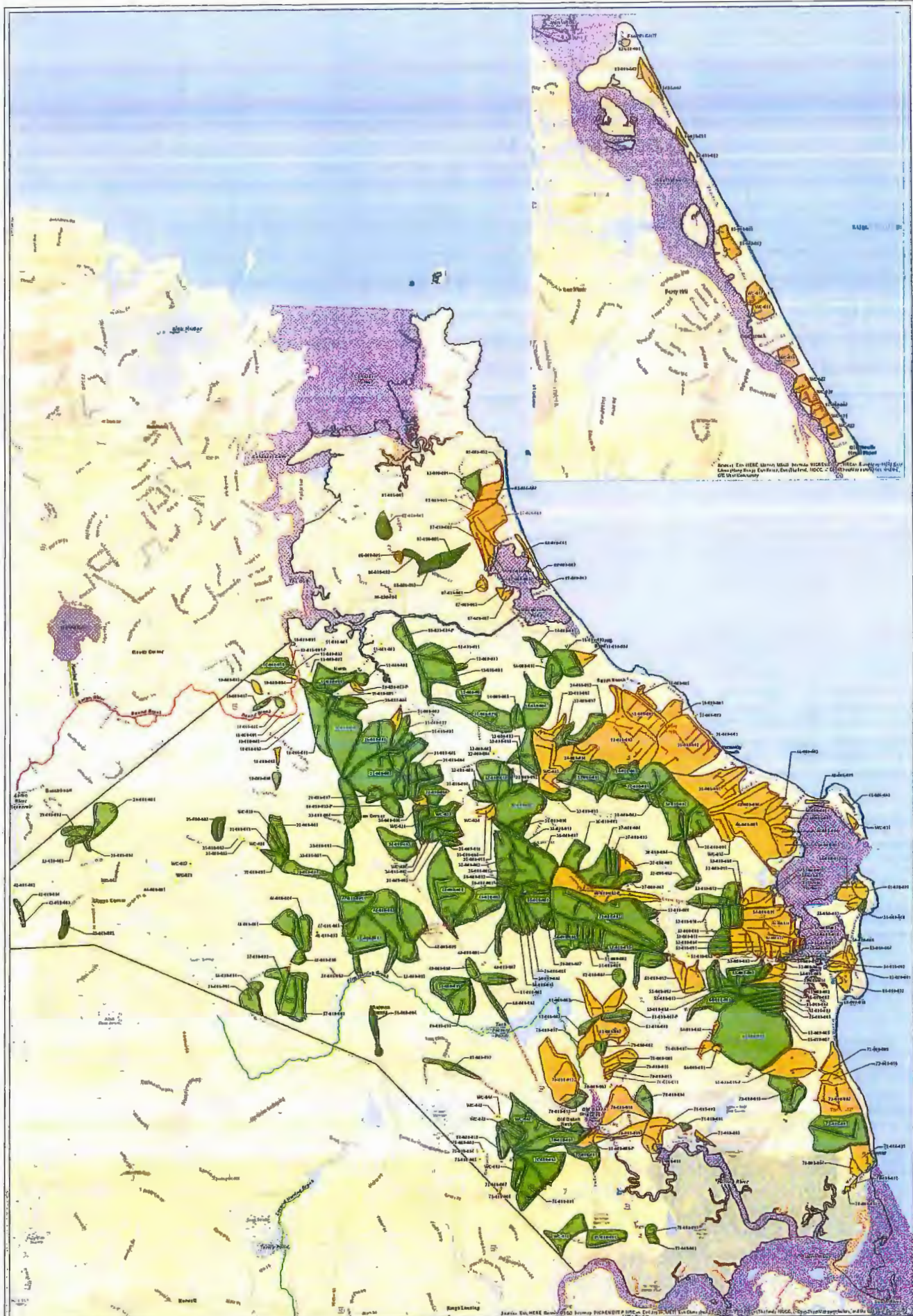
<b>Funding Source(s)</b>	
Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	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>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</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					





**Scituate IDDE  
Catchment Prioritization  
Scituate, MA**

- Catchment Boundary
- Stormwater Discharge Point
- 2014 Integrated List Data - 3000/0300 Category 1
- 2014 Integrated List Data - 3000/0300 Category 2
- 2014 Integrated List Data - 3000/0300 Category 3
- 2014 Integrated List Data - 3000/0300 Category 4
- 2014 Integrated List Data - 3000/0300 Category 5

- 2014 Integrated List Data - 3000/0300 Category 1
- 2014 Integrated List Data - 3000/0300 Category 2
- 2014 Integrated List Data - 3000/0300 Category 3
- 2014 Integrated List Data - 3000/0300 Category 4
- 2014 Integrated List Data - 3000/0300 Category 5

- 2014 Integrated List Data - 3000/0300 Category 1
- 2014 Integrated List Data - 3000/0300 Category 2
- 2014 Integrated List Data - 3000/0300 Category 3
- 2014 Integrated List Data - 3000/0300 Category 4
- 2014 Integrated List Data - 3000/0300 Category 5

Scale: 1" = 100'

0 0.125 0.25 0.5 0.75 1

North Arrow

**WOODARD  
SCURRO**

Project #: 0375-030-00  
Map Created: December 2014

This map is for reference and planning purposes only and should not be used for legal action. It is not a warranty of any kind. Errors and omissions excepted. © 2014 Woodard & Curran, Inc.







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2023-421-01
Project Title:	MS-4 (Municipal Separate Storm Sewer Systems)
Category:	Study
Department: Engineering	Contact: Sean McCarthy

<b>Department Priority:</b>	
<input checked="" type="checkbox"/>	Urgent/Legally Required
<input type="checkbox"/>	Maintain Service
<input type="checkbox"/>	Enhancement

Project is:	New [ ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ X ]	Phase - Final	

**Description:**

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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$150,000			\$50,000	\$50,000	\$50,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</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 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>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2024-421-01
Project Title:	MS-4 (Municipal Separate Storm Sewer Systems)
Category:	Study
Department: Engineering	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ X ]      Phase - Final

**Description:**

*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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$100,000				\$50,000	\$50,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</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>\$0</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					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-411-01		
Project Title:	Foreshore Protection - Egypt Beach Berm		
Category:	Design/Construction		
Department: Engineering	Contact:	Sean McCarthy	

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	[ X ]	Recurring	[ ]	Resubmission	[ ]
	Multiyear	[ ]	Phase - Final			

**Description:**

The Town of Scituate has contracted with a consultant (Applied Coastal) to prepare bidding and construction documents for the repair to the cobble berm. All local permits have been obtained and the project should be out to bid in the winter of 2019. Project estimate is near \$1,000,000. 75% of the project is reimbursable through FEMA. (\$250,000.00)

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

Repair damages to the cobble berm suffered during storm Riley March 2018.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$1,000,000	\$1,000,000					<input checked="" 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	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA <input checked="" type="checkbox"/> Grant(s) or Other FEMA 75%

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,000,000	\$1,000,000	\$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: FY2021 - FY2025**

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

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

Project Number:	2022-411-03
Project Title:	Foreshore Protection
Category:	Design/Construction
Department: Engineering	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ X ]    Phase - Final

**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

2021  
 2022 Preventative  
 2023 Additional Supplies (Stone)  
 2024 Preventative Maintenance and Emergency  
 2025 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:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$800,000		\$200,000	\$200,000	\$200,000	\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$800,000</b>	<b>\$0</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>\$800,000</b>	<b>\$0</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: FY2021 - FY2025**

Date submitted: 09/19/19

Project Number:	2021-422-01		
Project Title:	Street Sweeper		
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:**

New Street Sweeper

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

*The old Street Sweeper is old and tired and has been out of service a lot for repairs, we have had to hire contractor to do a lot of the much needed street sweeping after storms to clean the roads.*

**Discuss Operating Budget Impact:**

*The request is for \$242,000 to the 2021 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$242,000	\$242,000					<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>\$242,000</b>	<b>\$242,000</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 Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$242,000	\$242,000	\$0	\$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





MUNICIPAL AND CONTRACTORS' EQUIPMENT

200 Merrimac St  
Woburn MA 01801

PROPOSAL

Tel. (781) 935 1919  
Fax. (781) 937 9809

To:

Date:

Town of Scituate  
Department of Public Works  
600 Chief Justice Cushing Hwy  
Scituate, MA 02056  
ATT: Mike Breen Highway & Public Grounds Supervisor

August 26, 2019

C. N. Wood is pleased to offer the following proposal through the MAPC/Greater Boston Police Council contract.

1 New Elgin Pelican NP dual street sweeper with a/c, sprung guide wheel, autolube, color reverse camera, auto reverse broom pick up, lower roller washout, sliding window curb side, am/fm/cd radio, air ride seat, painted White, 1 year standard warranty, and all other standard equipment.

SELLING PRICE \$222,587.00

OPTIONAL EQUIPMENT

Spare tire/rim front and rear \$2,173.00  
5 Year Warranty - parts and labor \$11,524.00  
Front and rear LED corner strobes \$2,638.00  
TOTAL SELLING PRICE \$238,922.00

TRADE OPTION 2008 Johnson street sweeper serial number 4GTM7F1B58F700331  
TRADE ALLOWANCE \$13,000.00  
TOTAL SELLING PRICE \$225,922.00

C. N. Wood is looking forward to providing the Town of Scituate with the premium Elgin products and first class service. Please do not hesitate to contact me if you have any questions or need further information regarding the Elgin products

Thank you for considering C. N. Wood for your equipment needs.

Best Regards,  
Stephen M. Russell  
Sales Representative

No warranties are made other than those extended by the manufacturer of the equipment, and in the event of alleged breach of warranty, expressed or implied, the liability of C. N. Wood Co., Inc., shall be limited to the liability of the manufacturer to it, and shall be subject to all limitations and conditions imposed by the manufacturer.

Seller shall not be liable for any default or delay in delivery, as a result of shipping delays, strikes, fires, lockouts, or inability to procure materials.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-422-02		
Project Title:	Truck 1-8, 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 \$43,000 to the 2021 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$43,000	\$43,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$43,000</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>\$43,000</b>	<b>\$43,000</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**

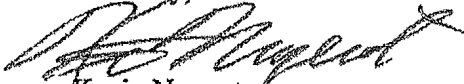
During Project	\$0				
Post-Project Annual					
Post-Project One-time	\$0				



RVS	4" Tubular Black Assist Steps	\$ 611.10
JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
5581	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
5594	4 Whelen Vertex Corner Flashers	\$ 800.00
5291	Spray-in Type Bedliner for Pick up	\$ 650.00
5283	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5301	1300 LBS Capacity Aluminum Liftgate	\$ 3,500.00
5302	Aluminum Platform for Liftgate	\$ 800.00
<b>TOTAL DELIVERED PRICE</b>		<b>\$41,589.20</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: FY2021 - FY2025**

Date submitted: 09/19/19

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

Project Number:	2021-422-03		
Project Title:	Truck 1-2, 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 \$43,000 to the 2021 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$43,000	\$43,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$43,000</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>\$43,000</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

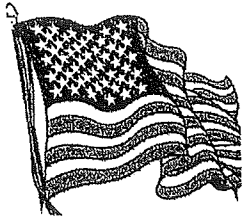
Recreation

Historical

Housing

**Operating Budget Impact**

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



# Liberty Chevrolet

Scituate Department of Public Works, Highway Division  
Town Hall  
600 Chief Justice Cushing Highway  
Scituate, MA 02066  
Attn.: George Mason

September 16, 2019

Dear Mr. Mason,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract, with the Greater Boston Police Council. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

## K2500 Utility Body Truck

Item #28 · 2020 Chevrolet Full Size K2500, 4x4 Silverado Pick up  
 142" Wheelbase, Regular Cab, Long Bed 10,250 GVWR  
 6.6 Liter V8 Gas Engine capable of 401 HP, Oil Cooler  
 6 Speed Automatic Transmission with Oil Cooler  
 StabiliTrac: Proactive Roll Avoidance and Traction Control  
 170 Amp Alternator, 720 CCA Battery  
 Electronic Shift Transfer Case, Push Button Controls  
 Heavy Duty Locking Rear Differential  
 Front Chassis Mounted Recovery Hooks  
 Trailing Equipment w 7-Pin Connector  
 Four Wheel Anti-Lock Front and Rear Disc Brakes  
 (5) LT245/75R17E All Season Radials with Full Size Spare  
 Black Front and Rear Step Bumpers  
 Integrated BedStep on Forward Portion of the Bed  
 12 Cargo Tie Downs Rated to 500 LBS each  
 Halogen Headlamps with Daytime Running Lights Feature  
 OSRV Vertical Trailing Mirrors with Lower Convex Head  
 Locking Tailgate and Bed Rail and Tailgate Protection Cap  
 Audio: 7" Color Touchscreen, AM/FM Stereo with Bluetooth Connectivity  
 Rear Vision Camera with Hitch Guidance  
 Vinyl Trim, 40/20/40 Split Bench Seat with Center Fold Down Armrest  
 Heavy Duty Vinyl Floor Mat  
 Tilt Steering Wheel  
 Factory Air Conditioning  
 Factory Gauge Package with Tachometer and Tire Pressure Monitor  
 Driver Information Center  
 Manual Windows and Door Locks \$31,205.00

### Available Factory Options:

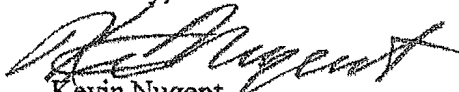
QXT	LT265/70R17E All Terrain Radials	\$ 194.00
VYU	Factory Snow Plow Prep Package	\$ 373.45

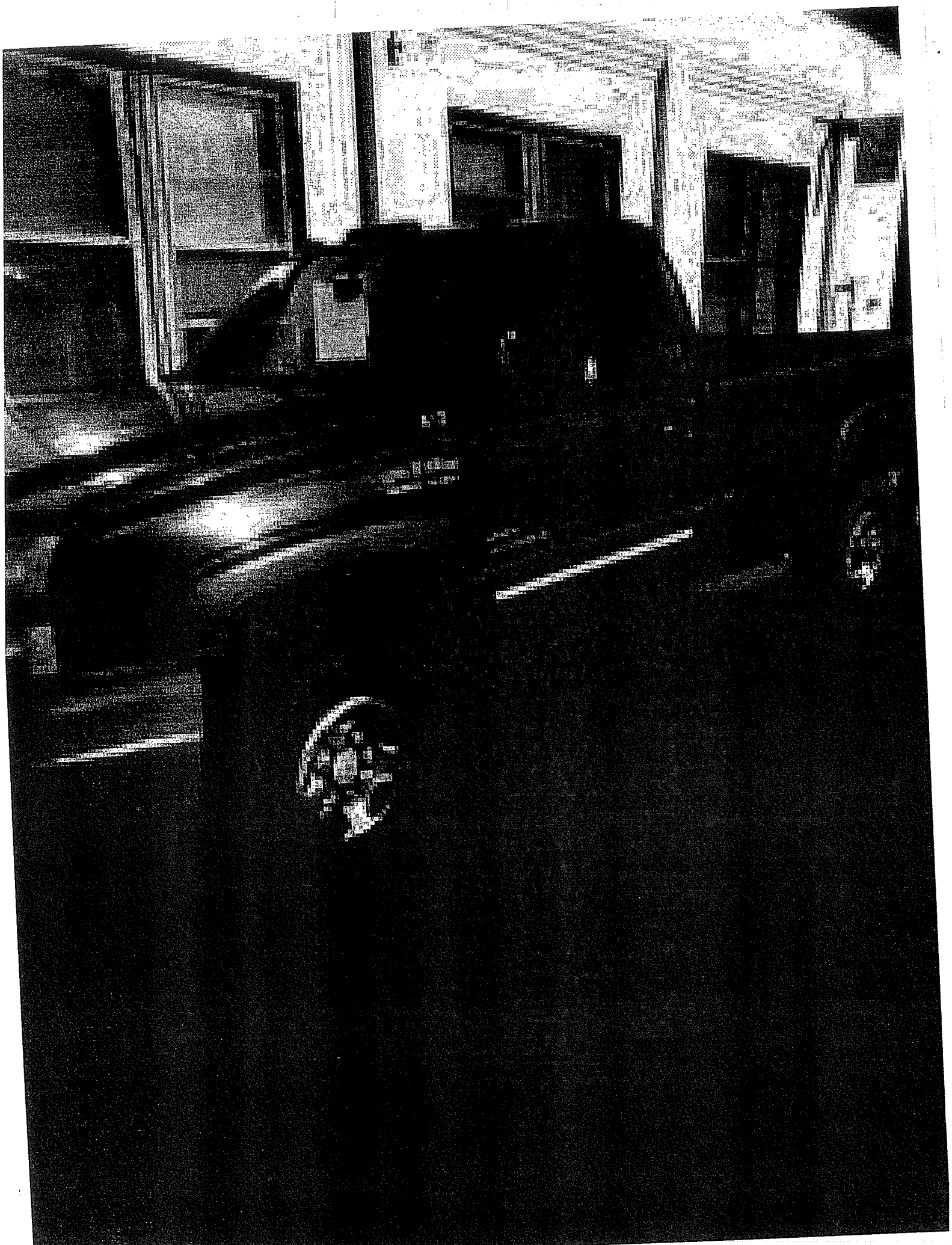


RVS	4" Tubular Black Assist Steps	\$ 611.10
JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
5581	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
5594	4 Whelen Vertex Corner Flashers	\$ 800.00
5291	Spray-in Type Bedliner for Pick up	\$ 650.00
5283	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5130	8' Utility Body for SRW Chassis	\$ 8,000.00
5135	Paint Utility Body to Match Chassis	\$ 1,350.00
<b>TOTAL DELIVERED PRICE</b>		<b>\$41,589.20</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: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2021-422-04		
Project Title:	Roads and Sidewalk Funds		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New [ ]	Recurring [ x ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

**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 (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 2022 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
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 checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$200,000	\$0	\$200,000	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other Ch 90

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$200,000	\$0	\$200,000	\$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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: \_\_\_\_\_09/19/19

Project Number:	2021-422-05		
Project Title:	Briarwood Lane		
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:**

Overlay 2300 sy of Asphalt

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

Road is severely alligating and causing major potholes to continually open up and drainage problems flowing to catch basins, the road has lost its crown.

**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
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$43,000	\$43,000					<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>\$43,000</b>	<b>\$43,000</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>\$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					

**PRELIMINARY ESTIMATE CHAPTER 90 FORCE ACCOUNT**

CONSTRUCTION PROJECT **Briarwood Lane** TOWN: SCITUATE

LENGTH: 1000 DATE:

WIDTH 25

2,778 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
6	EA	Gates - (ADJUST)	\$ 200.00	\$ 1,200.00
6	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ 1,200.00
	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ -
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ -
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
400	TON	TACK TRUCK	\$ 4.60	\$ 1,840.00
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1"	\$ 78.00	\$ -
343	TON	BITUMINOUS CONC. LEVELING 1.5"	\$ 78.00	\$ 26,754.00
20	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 3,000.00
363	TON	DIESEL FUEL ESCALATION COST	\$ 2.08	\$ 755.04
363	TON	Liquid ASPHALT ESCALATION COST	\$ 7.83	\$ 2,842.29
40	CY	2 POLICE DETAILS	\$ 93.54	\$ 3,741.60
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
3	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ 750.00
	EA	Plastic or Cement 12" Pipe 12" installed	\$ 25.00	\$ -
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ -
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 42,082.93
		ESTIMATED TOTAL		



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: \_\_\_\_\_ 09/19/19

Project Number:	2021-422-06		
Project Title:	Bullrush Farm Road		
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:**

Overlay 4600 sy of Asphalt

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

Road has lost its profile, there is no crown, it is sagging in many areas causing drainage problems and severe icing in the winter. This is an old stone chip road and it is well past its life expectancy.

**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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$45,000	\$45,000				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$45,000</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>\$45,000</b>	<b>\$45,000</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 ESTIMATE QUANTITIES FOR FORCE ACCOUNT

CONSTRUCTION PROJECT: Bullrush Farm Road TOWN: SCITUATE

LENGTH: 1145 DATE:

WIDTH 36

4,580 S/Y

CHAP 90

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
6	EA	Gates - (ADJUST)	\$ 200.00	\$ 1,200.00
10	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ 2,000.00
	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ -
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ -
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
	TON	TACK TRUCK	\$ 4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
378	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$ 78.00	\$ 29,484.00
	TON	BITUMINOUS CONC. LEVELING 1"	\$ 78.00	\$ -
25	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 3,750.00
403	TON	DIESEL FUEL ESCALATION COST	\$2.08	\$838.24
403	TON	Liquid ASPHALT ESCALATION COST	\$7.83	\$3,155.49
40	CY	2 POLICE DETAILS	\$ 93.54	\$ 3,741.60
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ -
	EA	Plastic or Cement 12" Pipe 12" installed	\$ 25.00	\$ -
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ -
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 44,169.33
		ESTIMATED TOTAL		



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: \_\_\_\_\_ 09/19/19

Project Number:	2021-422-07		
Project Title:	Townsend Road		
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:

Overlay 3200 sy of Asphalt

Benefits of Project and Impact if Not Completed:

Road has lost its profile, there is no crown, it is sagging in many areas causing drainage problems and severe icing in the winter. This is an old stone chip road and it is well past its life expectancy.

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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$32,000	\$32,000				
Equipment/Furnishings	\$0					
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	
<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>\$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	
<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					

ESTIMATE STATE FORCE ACCOUNT

CONSTRUCTION PROJECT: Townsend Road TOWN: SCITUATE

LENGTH: 951 DATE:

WIDTH 30

3,170 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
3	EA	Gates - (ADJUST)	\$ 200.00	\$ 600.00
4	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ 800.00
4	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ 1,400.00
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ -
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
	TON	TACK TRUCK	\$ 4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1"	\$ 78.00	\$ -
261	TON	BITUMINOUS CONC. LEVELING 1.5	\$ 78.00	\$ 20,358.00
20	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 3,000.00
281	TON	DIESEL FUEL ESCALATION COST	\$2.08	\$ 584.48
281	TON	Liquid ASPHALT ESCALATION COST	\$7.83	\$ 2,200.23
32	CY	2 POLICE DETAILS	\$ 93.54	\$ 2,993.28
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ -
	EA	Plastic or Cement 12" Pipe 12" installed	\$ 25.00	\$ -
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ -
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 31,935.99
		ESTIMATED TOTAL		





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: \_\_\_\_\_09/19/19

Project Number:	2021-422-08		
Project Title:	Sedgewick Road		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New [ ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

Overlay 9300 sy of Asphalt

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

Road has lost its profile, there is no crown, it is sagging in many areas causing drainage problems and severe icing in the winter. This is an old stone chip road and it is well past its life expectancy.

**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
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$89,000	\$89,000					<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>\$89,000</b>	<b>\$89,000</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>\$89,000</b>	<b>\$89,000</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 ESTIMATE STATEMENT OF WORK ACCOUNT

CONSTRUCTION PROJECT: Sedgewick Drive TOWN: SCITUATE

LENGTH: 3100 DATE:

WIDTH 27

9,300 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk



QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
6	EA	Gates - (ADJUST)	\$ 200.00	\$ 1,200.00
13	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ 2,600.00
15	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ 5,250.00
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ -
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
300	TON	TACK TRUCK	\$ 4.60	\$ 1,380.00
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
767	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$ 78.00	\$ 59,826.00
	TON	BITUMINOUS CONC. LEVELING 1."	\$ 78.00	\$ -
35	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 5,250.00
802	TON	DIESEL FUEL ESCALATION COST	\$ 2.08	\$ 1,668.16
802	TON	Liquid ASPHALT ESCALATION COST	\$ 7.83	\$ 6,279.66
40	CY	2 POLICE DETAILS	\$ 93.54	\$ 3,741.60
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
4	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ 1,000.00
	EA	Plastic or Cement 12" Pipe 12" installed	\$ 25.00	\$ -
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ -
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 88,195.42
		ESTIMATED TOTAL		



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09/19/19

Project Number:	2021-422-10		
Project Title:	Marilyn Road		
Category:	Roadway		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

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

*This road has lost it profile and crown. It has severe alligating and major potholes, this was an old stone chip road, there is no drainage on this road, and because of that it is causing severe ponding at the end of the road.*

**Discuss Operating Budget Impact:**

---

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$34,500	\$34,500				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$34,500</b>	<b>\$34,500</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					
<b>Net of CPA and Grants</b>	<b>\$34,500</b>	<b>\$34,500</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					

PRELIMINARY ESTIMATE STATE PROJECT ACCOUNT

CONSTRUCTION PROJECT: Marilyn road

TOWN: SCITUATE

LENGTH: 1024 DATE:

WIDTH 27

3,072 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
4	EA	Gates - (ADJUST)	\$ 200.00	\$ 800.00
	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ -
	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ -
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
2	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ 1,350.00
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
	TON	TACK TRUCK	\$ 4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1"	\$ 78.00	\$ -
254	TON	BITUMINOUS CONC. LEVELING 1.5"	\$ 78.00	\$ 19,812.00
10	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 1,500.00
264	TON	DIESEL FUEL ESCALATION COST	\$2.08	\$ 549.12
264	TON	Liquid ASPHALT ESCALATION COST	\$7.83	\$ 2,067.12
32	CY	2 POLICE DETAILS	\$ 93.54	\$ 2,993.28
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ -
200	EA	Plastic or Cement 12" Pipe 12" installed	\$ 25.00	\$ 5,000.00
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ -
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 34,071.52
		ESTIMATED TOTAL		



PRELIMINARY ESTIMATE CHAPTER 90 FORCE ACCOUNT

CONSTRUCTION PROJECT Captain Pierce Road

TOWN: SCITUATE

LENGTH: 2190 DATE:

WIDTH 25  
6,083 S/Y

CHAP 90

TONS MACHINE WORK  
TONS HAND WORK  
S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
6	EA	Gates - (ADJUST)	\$ 200.00	\$ 1,200.00
12	VFT	STRUCTURES - (ADJUST)	\$ 200.00	\$ 2,400.00
	VFT	STRUCTURES 6" VERTICAL	\$ 350.00	\$ -
	EA	LESS THAN 6"VF STRUCTURES	\$ 195.00	\$ -
	SY	PRE CAST DRAINAGE STRUCTURE	\$ 675.00	\$ -
	CY	RECLAMATION	\$ 3.00	\$ -
	SY	EXCESS MATERIAL	\$ 4.00	\$ -
	SY	FINE GRADE/COMPACT	\$ 1.00	\$ -
	L/FT	Cold Plan 2"	\$ 2.70	\$ -
	S/Y	Sidewalk Rebuild	\$ 35.00	\$ -
	L/FT	Bit. Concrete sidewalk construction	\$ 44.90	\$ -
	Ton	sawcutting (sidewalk)	\$ 1.00	\$ -
	Gal	Gravel (sidewalk)	\$ 24.00	\$ -
400	GAL	TACK TRUCK	\$ 4.60	\$ 1,840.00
	TON	BITUMINOUS CONC. BINDER 1.5	\$ 78.00	\$ -
501	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$ 78.00	\$ 39,078.00
	TON	BITUMINOUS CONC. LEVELING 1"	\$ 78.00	\$ -
20	HR	BITUMINOUS CONC. HANDWORK	\$ 150.00	\$ 3,000.00
521	TON	DIESEL FUEL ESCALATION COST	\$ 2.08	\$ 1,083.68
521	TON	Liquid ASPHALT ESCALATION COST	\$ 7.83	\$ 4,079.43
40	CY	2 POLICE DETAILS	\$ 93.54	\$ 3,741.60
	SY	LOAM	\$ 20.00	\$ -
	SY	HYDRO-SEED	\$ 10.00	\$ -
	EA	Excavation and Removal of excising driveway aprons	\$ 5.00	\$ -
	LFT	FRAME& GRATE/COVER	\$ 250.00	\$ -
	EA	Plastic or Cement 12" Pipe 12" Installed	\$ 25.00	\$ -
	LFT	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$ 2,250.00	\$ -
2190	EA	Line Striping (Single center line Thermoplastic)	\$ 0.76	\$ 1,664.40
	EA	PRECAST HEADWALL	\$ 3,000.00	\$ -
	HR	4"-6" RIP RAP ROCK	\$ 1,000.00	\$ -
	HR	Grader (for patching)	\$ 90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$ 120.00	\$ -
	SY	10 Wheel Truck	\$ 60.00	\$ -
	CY	CEMENT TRUCK (MIN. 4 YARDS)	\$ 110.00	\$ -
				\$ 58,087.11
		ESTIMATED TOTAL		



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: \_\_\_\_\_ 09/20/18\_

Date of Last Edit:

Project Number:	2022-422-01		
Project Title:	Foam Road Drainage		
Category:	Construction		
Department:	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:**

*Drainage on Foam Road*

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

To alleviate flooding in this area

**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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$53,961		\$53,961			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$53,961</b>	<b>\$0</b>	<b>\$53,961</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 \_\_Ch 90

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$53,961</b>	<b>\$0</b>	<b>\$53,961</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 ESTIMATE CHAPTER 90 FORCE ACCOUNT**

CONSTRUCTION PROJECT **Foam Road Drainage**

TOWN: SCITUATE

LENGTH:                      DATE:

WIDTH

0     S/Y

**CHAP 90**

TONS     MACHINE WORK

TONS     HAND WORK

S/Y     Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
	EA	Gates - (ADJUST)	\$200.00	\$ -
	EA	STRUCTURES - (ADJUST)	\$200.00	\$ -
	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ -
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ -
	SY	RECLAMATION	\$3.00	\$ -
	CY	EXCESS MATERIAL	\$4.00	\$ -
	SY	FINE GRADE/COMPACT	\$1.00	\$ -
	SY	Cold Plan 2"	\$2.70	\$ -
	L/FT	Sidewalk Rebuild with curb	\$45.00	\$ -
	S/Y	Bit. Concrete sidewalk construction	\$44.90	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 2.5	\$80.00	\$ -
	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$80.00	\$ -
	TON	BITUMINOUS CONC. LEVELING 1"	\$80.00	\$ -
60	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ 9,000.00
80	HR	2 POLICE DETAILS	\$46.77	\$ 3,741.60
30	CY	LOAM	\$20.00	\$ 600.00
100	SY	HYDRO-SEED	\$10.00	\$ 1,000.00
80	HR	Excavation	\$120.00	\$ 9,600.00
	EA	FRAME& GRATE/COVER	\$250.00	\$ -
500	LFT	Plastic or Cement 12" Pipe 12" installed	\$45.00	\$ 22,500.00
1	EA	PRE CAST DRAINAGE STRUCTURE	\$2,250.00	\$ 2,250.00
	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ -
1	EA	PRECAST HEADWALL WITH FLAPPER VALVE	\$3,000.00	\$ 3,000.00
2	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ 2,000.00
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 53,691.60





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09/20/18 Date of Last Edit:

Project Number:	2022-422-02		
Project Title:	Brook Street		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
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:**

*Curb to Curb resurfacing of road and sidewalk. Brook Street*

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

**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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$237,533		\$237,533			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$237,533</b>	<b>\$0</b>	<b>\$237,533</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 Ch 90

Grant Amount Requested	\$0				
CPA Amount Requested	\$0				
<b>Net of CPA and Grants</b>	<b>\$237,533</b>	<b>\$0</b>	<b>\$237,533</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 ESTIMATE CHAPTER 90 FORCE ACCOUNT

21

CONSTRUCTION PROJECT Brook street

TOWN: SCITUATE

LENGTH: 2227 DATE:

WIDTH 26

6,434 S/Y

CHAP 90

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
13	EA	Gates - (ADJUST)	\$200.00	\$ 2,600.00
31	EA	STRUCTURES - (ADJUST)	\$200.00	\$ 6,200.00
	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ -
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ -
	SY	RECLAMATION	\$3.00	\$ -
	CY	EXCESS MATERIAL	\$4.00	\$ -
	SY	FINE GRADE/COMPACT	\$1.00	\$ -
6,434	SY	Cold Plan 2"	\$2.70	\$ 17,371.80
	L/FT	Sidewalk Rebuild with curb	\$35.00	\$ -
	S/Y	Bit. Concrete sidewalk construction	\$44.90	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 2.5	\$78.00	\$ -
1568	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$78.00	\$ 122,326.62
1045.53	TON	BITUMINOUS CONC. LEVELING 1"	\$78.00	\$ 81,551.34
	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ -
80	HR	2 POLICE DETAILS	\$93.54	\$ 7,483.20
	CY	LOAM	\$20.00	\$ -
	SY	HYDRO-SEED	\$10.00	\$ -
	HR	Excavation and Removal around guardrail	\$120.00	\$ -
	EA	FRAME & GRATE/COVER	\$250.00	\$ -
	LFT	Plastic or Cement 12" Pipe 12" installed	\$25.00	\$ -
	EA	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$2,250.00	\$ -
	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ -
	EA	PRECAST HEADWALL	\$3,000.00	\$ -
	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ -
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 237,532.96



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09/20/18 Date of Last Edit:

Project Number:	2022-422-03		
Project Title:	Glades Road Sidewalk		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
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:**

*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
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$43,000		\$43,000				<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>\$43,000</b>	<b>\$0</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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



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On behalf of the members of the  
South Shore Regional Services Consortium

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SS 2018 PW1  
Public Works Services

Sidewalks  
Item 14

Tasco Construction

Contract

1

# SS 2018 PW1 - Bid Price Form

Bidder Name: Tasco Construction, Inc  
 Bidder Initials: GT

Bid Item	Estimated Quantity	x	Bid Price	/ Unit	=	Total
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**Sidewalk Construction, Reconstruction, and Repair**

Sidewalk Construction, Reconstruction, and Resurfacing						Bid Total =
1)	Cape Cod Borm	1,700	x	8.00	/LF	= \$ 13,600.00
2)	Granite Curb - Straight [Supply and Set]	9,950	x	38.00	/LF	= \$ 378,100.00
	Granite Curb - Straight [Set Only]	100	x	22.00	/LF	= \$ 2,200.00
	Granite Curb - Radius [Supply and Set]	1,650	x	47.00	/LF	= \$ 77,550.00
	Granite Curb - Radius [Set Only]	50	x	22.00	/LF	= \$ 1,100.00
3)	Pre-Cast Concrete Curb - Straight [Set Only]	100	x	22.00	/LF	= \$ 2,200.00
	Pre-Cast Concrete Curb - Radius [Set Only]	25	x	22.00	/LF	= \$ 550.00
4)	Adjust/Reset Curbing	2,200	x	22.00	/LF	= \$ 48,400.00
5)	Bituminous Concrete Sidewalk - New Construction	6,500	x	63.00	/SY	= \$ 409,500.00
	[Site Prep by Town]	As Needed	x	63.00	/SY	
6)	Bituminous Concrete Sidewalk - Reconstruction	7,575	x	63.00	/SY	= \$ 477,225.00
	[Site Prep by Town]	100	x	35.00	/SY	= \$ 3,500.00
	Gravel	1,600	x	0.01	/CY	= \$ 16.00
7)	Bituminous Concrete Sidewalk and Driveway Apron - Resurfacing	1,800	x	63.00	/SY	= \$ 113,400.00
	[Site Prep by Town]	As Needed	x	63.00	/SY	
8)	Cement Concrete Sidewalk - New Construction	3,500	x	77.00	/SY	= \$ 277,200.00
	Cement Concrete Sidewalk - Reconstruction	As Needed	x	77.00	/SY	= \$ 0.00
9)	Cement Concrete Wheelchair Ramps - New Construction	1,440	x	112.00	/SY	= \$ 161,280.00
	Cement Concrete Wheelchair Ramps - Reconstruction	As Needed	x	112.00	/SY	
10)	Sawcutting	13,000	x	0.01	/LF	= \$ 130.00
11)	Handicap Ramp Tactile Strips	75	x	125.00	/EA	= \$ 9,375.00
12)	Loam & Hydro-Seed [4" Depth]	8,900	x	0.01	/SY	= \$ 89.00
13)	Adjust Service Box	101	x	0.01	/EA	= \$ 1.01
14)	Replace Service Box	21	x	100.00	/EA	= \$ 2,100.00
15)	Adjust Manhole Catch Basin Frames	90	x	260.00	/EA	= \$ 23,400.00
16)	Rebuild Manhole and Catch Basin Frames	15	x	260.00	/EA	= \$ 3,900.00
17)	Reset or Replace Brick or Stone Walkway	1,030	x	46.00	/SY	= \$ 47,380.00
18)	Catch Basin Installed	8	x	4,000.00	/EA	= \$ 32,000.00
19)	Gutter Inlet Installed	6	x	2,500.00	/EA	= \$ 15,000.00
20)	Ductile Iron Drainpipe	50	x	60.00	/LF	= \$ 3,000.00
21)	4 inch PVC Pipe for Drainage	420	x	35.00	/LF	= \$ 14,700.00
22)	Unclassified Excavation	1,600	x	0.01	/CY	= \$ 16.00
23)	Hot Mix Asphalt for Patching	250	x	175.00	/TN	= \$ 43,750.00
24)	Traffic Controls/Safety Signing					
	Traffic Controls/Safety Signing	100	x	0.01	/SF	= \$ 1.00
	Reflectorized Drums with Flashers [Type A] - Drum Day	620	x	1.00	/DY	= \$ 620.00
	Reflectorized Drums without Flashers - Drum Day	2,320	x	1.00	/DY	= \$ 2,320.00

# SS 2018 PW1 - Bid Price Form

Bidder Name: Tasco Construction, Inc  
 Bidder Initials: GT

Bid Item	Estimated Quantity	x	Bid Price / Unit	=	Total
Traffic Cones	200	x	1.00 /DV	=	\$ 200.00
25) Pre-Paving Sweeping					
Disposal by Town	As Needed	x	300.00 /HR		
Disposal by Contractor	As Needed	x	300.00 /TN		
26) Equipment Rental					
Gradall	140	x	225.00 /HR	=	\$ 31,500.00
Grader	140	x	225.00 /HR	=	\$ 31,500.00
Tandem 10-Ton Roller	10	x	225.00 /HR	=	\$ 2,250.00
10-Ton Vibrator Roller	10	x	225.00 /HR	=	\$ 2,250.00
10 Wheel Dump Truck	140	x	100.00 /HR	=	\$ 14,000.00
Trailer	10	x	120.00 /HR	=	\$ 1,200.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09/20/18 Date of Last Edit:

Project Number:	2022-422-05		
Project Title:	Lawson Road		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New <input checked="" type="checkbox"/> [ ]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

*Curb to Curb resurfacing of road and sidewalk. Lawson Road*

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

**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	
		2021	2022	2023	2024	2025	<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	\$223,260			\$223,260			<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$0						<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input checked="" type="checkbox"/> Grant(s) or Other _____ Ch 90	
<b>TOTAL</b>	<b>\$223,260</b>	<b>\$0</b>	<b>\$0</b>	<b>\$223,260</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Requested	\$0						
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$223,260</b>	<b>\$0</b>	<b>\$0</b>	<b>\$223,260</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					

CONSTRUCTION PROJECT Lawson Road

TOWN: SCITUATE

21

LENGTH: 5370 DATE:

WIDTH 24

14,320 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
16	EA	Gates - (ADJUST)	\$200.00	\$ 3,200.00
10	EA	STRUCTURES - (ADJUST)	\$200.00	\$ 2,000.00
5	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ 1,750.00
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ -
	SY	RECLAMATION	\$3.00	\$ -
	CY	EXCESS MATERIAL	\$4.00	\$ -
	SY	FINE GRADE/COMPACT	\$1.00	\$ -
14,320	SY	Cold Plan 2"	\$2.70	\$ 38,664.00
	L/FT	Sidewalk Rebuild with curb	\$35.00	\$ -
	S/Y	Bit. Concrete sidewalk construction	\$44.90	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
	TON	BITUMINOUS CONC. BINDER 2.5	\$78.00	\$ -
1309	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$78.00	\$ 102,097.32
872.63	TON	BITUMINOUS CONC. LEVELING 1"	\$78.00	\$ 68,065.14
	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ -
80	HR	2 POLICE DETAILS	\$93.54	\$ 7,483.20
	CY	LOAM	\$20.00	\$ -
	SY	HYDRO-SEED	\$10.00	\$ -
	HR	Excavation and Removal around guardrail	\$120.00	\$ -
	EA	FRAME& GRATE/COVER	\$250.00	\$ -
	LFT	Plastic or Cement 12" Pipe 12" Installed	\$25.00	\$ -
	EA	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$2,250.00	\$ -
	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ -
	EA	PRECAST HEADWALL	\$3,000.00	\$ -
	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ -
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 223,259.66





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2022-422-06		
Project Title:	Roads and Sidewalk Funds		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New [ ]	Recurring [ x ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**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 (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 2022 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
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>\$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 \_\_\_ Ch 90 \_\_\_

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: FY2021 - FY2025**

Date submitted: 11.11.16

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

Project Number:	2023-422-01		
Project Title:	Roof for Salt Shed		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New <input checked="" type="checkbox"/> [x]	Recurring <input type="checkbox"/> [ ]	Resubmission <input type="checkbox"/> [ ]
	Multiyear <input type="checkbox"/> [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

New vinyl roof for Salt Shed

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

Current Salt shed hold approximately 2500 tons for salt for Roadway maintenance during winter storms.

**Discuss Operating Budget Impact:**

The request is for \$30,000 to the 2023 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$30,000			\$30,000			<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>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</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>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</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: FY2021 - FY2025**

Date submitted: 11.11.16

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

Project Number:	2023-422-02		
Project Title:	Truck 101, Medium Duty Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New <input checked="" type="checkbox"/> [x]	Recurring <input type="checkbox"/> [ ]	Resubmission <input type="checkbox"/> [ ]
	Multiyear <input type="checkbox"/> [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**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 2023 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$50,000			\$50,000			<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>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</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>\$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					

CENTRAL CHRYSLER DODGE JEEP RAM OF  
191 NEW STATE HWY  
RAYNHAM, MA 027675445

CONFIDENTIAL PREVIEW

*[Handwritten signature]*  
2500  
pg 1 of 2

Date Filled: 2018-09-21 1:45 PM VIN:  
Estimated Ship Date: VON:

Quantity: 1  
Status: BA - Pending order  
FAN 1: 005MN PLYMOUTH COUNTY SHERIFFS DEPT  
FAN 2:  
Client Code:  
Bid Number: TPZ06B  
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 4 FT 0 IN box) (D17L62)

Model:	Sales Code	Description	MSRP (USD)
Package:	D17L62	2500 TRADESMAN REG CAB 4X4 (140" In WB 4 FT 0 IN box)	34,895
	2FA	Customer Preferred Package 2FA	0
	BTX	3.7L I6 Cummins Turbo Diesel Engine	0
	DG7	5-Spd Automatic 68RFE Transmission	9,100
Relinquishment:	PBU	True Blue Pearl Coat	0
	APA	Monochrome Paint	0
	YSX	Work Grade Vinyl 40/20/40 Bench Seat	0
Options:	X8	Black Diesel Gray	185
	4DH	Prepaid Holdback	0
	AES	Delivery Allowance Credit	0
	MAF	Fleet Purchase Incentive	0
	UA1	Uconnect 3.0	0
	XAC	ParkView(TM) Rear Back-up Camera	185
	MRT	Chrome Tubular Side Steps	245
	DSA	Anti-Spin Differential Rear Axle	525
	ACL	DOT Certified Roadside Safety Kit	395
	XXS	Upper Electronic Module (UEM)	185
	XMP	Spray In Bedliner	325
	LNJ	Fog Lights	485
	LHL	Auxiliary Switches w/Programmable	185
	AEO	Chrome Appearance Group	145
	DK3	Electronic On-The-Fly Transfer Case	885
	AH4	Power and Remote Entry Group	270
	ADE	Cold Weather Group	735
	GPG	Power Black Trailer Tow Mirrors	85
	XUC	Tire Pressure Control	185
	AHC	Heavy Duty Snow Plow Prep Group	280
	ENB	Easy Order	135
	4PM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	Y82	Zone 2 New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4PA	Special Equipment For Incentive	0
Bid Number:	TPZ06B	Government Incentive	0

Plow  
\$39,561.00 + 6500 ~ \$46,061 ~ 47K

Note: This is not an invoice. The prices and equipment shown on this bid order confirmation are tentative and subject to change or correction without prior notice. No claims against the manufacturer or dealer 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)	
Holst / 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: FY2021 - FY2025**

Date submitted: 11.11.16

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

Project Number:	2023-422-03		
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 2023 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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 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		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"/>
<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>

**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  
58 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
<hr/>	
60,792	
x 1.05	Price Escalation
<hr/>	
\$63,831	

Should you need any further information, please let me know.

Sincerely,

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  
 131 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2018-08-23 9:40 AM  
 Estimated Ship Date:

VIN:  
 VDN:

Quantity: 1  
 Status: BA - Pending order  
 PAN 1: 005MN PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 PAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYHAM (44796)  
 131 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYHAM (44796)  
 131 NEW STATE HWY  
 RAYNHAM, MA 027675445

Vehicle: 2017 5500 REG CAB CHASSIS 4X4 (144.8 In WB - CA of 80 In) (DP0L63)

	Sales Code	Description	MSRP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.8 In WB - CA of 80 In)	40,795
Package:	29A	Customer Preferred Package 29A	0
	ETK	6.7L I3 Cummins Turbo Diesel Engine	7,400
	DF2	6-Spd Auto Aisin AS68RC HD Trans	1,800
Paint/Seat/Trim:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	225
	-XB	Black/Diesel Gray	0
Options:	XXS	Uplifter Electronic Module (VSIM)	245
	LBN	Power Take Off Prep	265
	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	Elect 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
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid-Ineligible For Incentive	0
Bid Number:	TB7068	Government Incentives	0
Destination Fees:			1,193
<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 CU YD 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: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2023-422-04		
Project Title:	Roads and Sidewalk Funds		
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 (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 2023 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
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>\$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 Ch 90

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>

**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: FY2021 - FY2025**

Date submitted: 11.11.16

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

Project Number:	2024-422-02		
Project Title:	Truck 102, 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 2024 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$50,000				\$50,000		<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$50,000	\$0	\$0	\$0	\$50,000	\$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	\$50,000	\$0	\$0	\$0	\$50,000	\$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					

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 181 NEW STATE HWY  
 RAYNHAM, MA 027676446

CONFIDENTIAL Preview

*[Handwritten signature]*  
 2500  
 1/1/12

Date Printed: 2012-09-21 1:45 PM  
 Estimated Ship Date: VIN: YON:

Quantity: 1  
 Station: BA - Fidelity order  
 FAN 1: 006MN PLYMOUTH COUNTY SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to: CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44788)  
 181 NEW STATE HWY  
 RAYNHAM, MA 027676446

Ship to: CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44788)  
 181 NEW STATE HWY  
 RAYNHAM, MA 027676446

Plow - Add \$6500

Vehicle: 2017 2500 TRADESMAN REG CAB 4X4 (140" in WB 8' FT 0" IN box) (D47L62)

Model:	Sales Code	Description	MSRP (USD)
Package:	DJL02	2500 TRADESMAN REG CAB 4X4 (140" in WB 8' FT 0" IN box)	34,895
	ZFA	Customer Preferred Package 2FA	0
	BTX	3.7L I6 Cummins Turbo Diesel Engine	2,100
	DG7	6-Spd Automatic 68RFE Transmission	0
Rain/Snow/Tint:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	YSX	Work Grade Vinyl 40/20/40 Bench Seat	185
	XB8	Black/Diesel Gray	0
Options:	4DH	Prepaid Holdback	0
	AES	Delivery Allowance Credit	0
	MAF	Fleet Purchase Incentive	0
	UA1	Uconnect 3.0	195
	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	Uplite Electronic Module (VSM)	325
	XMP	Spray In Bedliner	485
	LNJ	Fog Lamps	185
	LHL	Auxiliary Switches -1/P Mounted	145
	AED	Chrome Appearance Group	895
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	AJH	Power and Remote Entry Group	735
	ADP	Cold Weather Group	95
	QPE	Power Black Trailer Tow Mirrors	195
	XHQ	Trailer Brake Control	200
	AHQ	Heavy Duty Snow Plow Prep Group	135
	EN8	Easy-Diear	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	1Q2	Zone 02 - New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid - Eligible For Incentive	0
Bid Number:	TB7068	Government Incentives	0

Plow  
 \$39,581.00 + 6500 ~ \$46,081 ~ 47K

Note: This is not an invoice. The prices and equipment shown on this prebid order confirmation are tentative and subject to change by correction without prior notice. No claims against the confirmation 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 CU YD 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	9 - 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 their situation.

Updated 7/12

MIN STATE DOT



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2024-422-03		
Project Title:	Roads and Sidewalk Funds		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty
Project is:	New [ ]	Recurring [ x ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**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 (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 2024 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
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 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 checked="" type="checkbox"/> Grant(s) or Other Ch 90

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: FY2021 - FY2025**

Date submitted: 9/20/18

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

Project Number:	2025-422-01		
Project Title:	Truck Lift		
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:**

New Four Post Truck lift.

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

*The current Truck lift is over 15 years old it is used frequently to lift heavy trucks and by replacing this It would be safer for the mechanic to work on the equipment.*

**Discuss Operating Budget Impact:**

*The request is for \$28,000 to the 2024 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$28,000					\$28,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$28,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,000</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>\$28,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,000</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					





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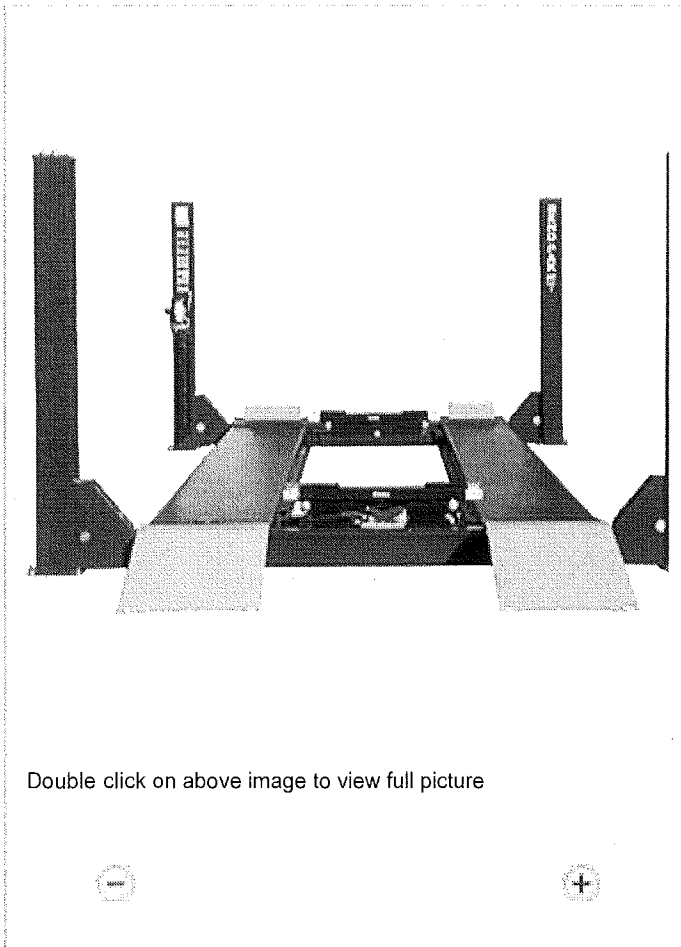
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## BendPak Four Post Truck Lift 40,000-lb. Capacity HDS40X



Availability: **In stock**

**\$31,415.00**

**\$26,285.00**

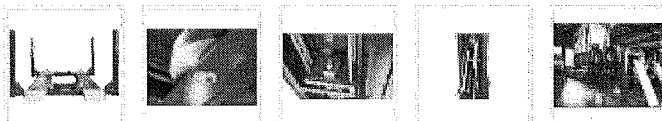
Qty:

-OR-

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Check out with PayPal and choose PayPal Credit.  
US customers only. Subject to credit approval. See terms.

**MORE VIEWS**



**Robert C**

24 Sep 2018

Easy web site to use.





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021- FY2025

Date submitted: 09/20/18

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

Project Number:	2025-422-02		
Project Title:	Roads and Sidewalk Funds		
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 (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 2025 capital.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$200,000					\$200,000	<input checked="" 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	\$0	\$200,000	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other Ch 90

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$200,000	\$0	\$0	\$0	\$0	\$200,000

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: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-0429-01		
Project Title:	Chipper		
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 Vermeer Brush Chipper.

The expected useful life of a Chipper varies depending on the activities that the machine is used for. The average lifespan for an average Chipper is 5 to 8 years according to the MA State DOT recommended guidelines.

All of the tasks this machine is used for are under harsh conditions, grinding large branches and brush.

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

Old chipper is over 20 years old and showing its age, it is rusted and unreliable.

**Discuss Operating Budget Impact:**

The replacement chipper will be an impact of \$55,000 to the 2021 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		2021	2022	2023	2024	2025	<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	\$55,000	\$55,000						
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$55,000</b>	<b>\$55,000</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>\$55,000</b>	<b>\$55,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

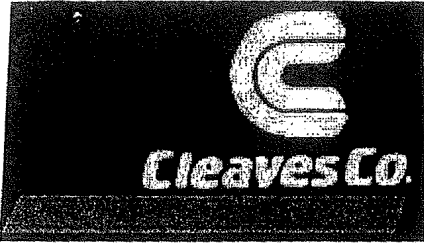
Recreation

Historical

Housing

**Operating Budget Impact**

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



#1

Cleaves Company Inc.  
 300 Reservoir St.  
 Needham, MA 02494-0011  
 USA  
 877-449-0833 (Phone)  
 781-444-5611 (Fax)  
 www.cleavesco.com

QUOTATION			
Quote #	Quote Created	Last Updated	Salesperson
98801	September 10, 2019 01:58 PM by Cleaves Company Inc.	September 10, 2019 02:02 PM by Cleaves Company Inc.	Dave Sarkisian

CUSTOMER:
Town of Scituate 68 Captain Pierce Rd Scituate, MA 02066 USA 781-545-8733 (Phone) Mike Green (Contact)

INTIMIDATOR 18XP (18" DRUM STYLE) BRUSH BANDIT			
Qty	Part #	Description	Base Price
1	MODEL-18XP	Intimidator 18XP - (18" Drum Style) Brush Bandit	\$ 37500.00

STANDARD EQUIPMENT			
Qty	Part #	Description	Price
1	STANDARD	37" diameter x 22" wide drum with (4) 5/8" X 5 1/2" X 10" dual edge knives	\$ 0.00
1	STANDARD	"Drum Shear Bar" spans full width of the drum mounted in the upper portion of the drum housing potentially creating a slicing action of a winch line or climber's rope	\$ 0.00
1	STANDARD	Patented 'power slot' assists in maximizing chip velocity. The power slot also provides a place for fine material to escape that might tend to lie in the belly of the drum.	\$ 0.00
1	STANDARD	30 gallon steel fuel tank with magnetic drain plug, lockable filler cap, and aluminum sight gauge	\$ 0.00
1	STANDARD	12 gallon steel hydraulic tank with magnetic drain plug, lockable filler cap, and aluminum sight gauge	\$ 0.00
1	STANDARD	Slide box feed system (includes adjustable spring on each side) with (2) horizontal feed wheels 10 5/8" diameter x 20" wide, driven by (2) 32.3 CID hydraulic motors.	\$ 0.00
1	STANDARD	Hydraulic lift cylinder - utilizes a hydraulic cylinder to raise or provide down pressure for the top feed wheel (controlled via a handle located on either side of the infeed hopper)	\$ 0.00
1	STANDARD	Bottom feed wheel clean out door (opens via spring latch pin allowing dirt and debris to fall out extending knife and component life)	\$ 0.00
1	STANDARD	360 degree HAND crank swivel discharge (height adjustable) with 12" adjustable chip deflector	\$ 0.00
1	STANDARD	Clean out and inspection door on discharge	\$ 0.00
1	STANDARD	33 1/2" high x 64" wide tapered infeed hopper with 30" fold down infeed hopper tray, heavy-duty taillight covers, and spring lift assists	\$ 0.00
1	STANDARD	(2) Last chance safety pull cables	\$ 0.00
1	STANDARD	Control bar - located around top and sides of infeed hopper with 3 control positions (forward / neutral / reverse)	\$ 0.00
1	STANDARD	Wooden pusher tool with mount on infeed hopper	\$ 0.00
1	STANDARD	3/16" x 2" x 6" rectangular tubing with a 3/8" x 3" x 6" tubular tongue	\$ 0.00
1	STANDARD	Frame / Fender supports	\$ 0.00
1	STANDARD	Lockable aluminum toolbox	\$ 0.00
1	STANDARD	3/8" (G70) safety chains with spring loaded latch hooks	\$ 0.00
1	STANDARD	8,000 pound capacity tongue jack with 15" of travel and foot pad	\$ 0.00
1	STANDARD	12 volt system with rubber mounted LED taillights, 6 prong replaceable coiled power cord & protected heavy-duty wiring with junction box, and LED clearance lights with reflectors.	110 \$ 0.00

1	STANDARD	Banded chipper drive belts (adjustable via a sliding engine system)		\$ 0.00
1	STANDARD	Pressure check kit - Gauge is NOT included		\$ 0.00
1	STANDARD	Weather resistant manual container		\$ 0.00
1	STANDARD	Engine disable plug for hood locking pin-preventing engine from operating without pin in place		\$ 0.00
1	STANDARD	Safety DVD, (2) 6" wide x 9" tall Bandit operator's manuals (one paper copy and one waterproof copy tethered to machine) and (1) engine operator's manual		\$ 0.00
1	STANDARD	Spanish & English combination safety decals		\$ 0.00

### OPTIONS

1	333-32273	Standard Imron Industrial Urethane Bandit Yellow		\$ 0.00	\$ 0.00
1	990-RC1407-988	GM 5.7L, 165 horsepower GAS engine without clutch (Includes 3 year / 3,500 hour engine warranty and spark arrestor muffler)		\$ 13850.00	\$ 13850.00
1	911-6000-46	Murphy PV380 panel with reversing auto feed for GM 165 horsepower gas engines (Includes 1,000 CCA battery with aluminum battery box) - Panel is mounted on engine shroud with no cover		\$ 2875.00	\$ 2875.00
1	700-1000-12	NACD Spring Loaded Clutch		\$ 1475.00	\$ 1475.00
1	OPTION-911-5000-33	High HP Drive System - (above 146 horsepower) - (Short Frame, Longer 1500 Belts)		\$ 575.00	\$ 575.00
1	OPTION-980-5000-73	Dinamic winch with line docking station and manual push button feed assist (Includes 5/16" diameter x 200' Samson Amsteel blue rope) (Includes (1) manual rear stabilizer)		\$ 4850.00	\$ 4850.00
1	LOGISTICS-HANDLING	The fee is applied per machine for logistic costs and may be waived if a kit of two sets of knives are purchased alternatively. Only valid at the time of order. No change orders apply.		\$ 130.00	\$ 130.00
1	990-1015-73	Single 10,000 pound Torflex axle with electric brakes (0 degree down trail) (Will be 4 1/2" shorter than 45 degree down trail)		\$ 0.00	\$ 0.00
1	OPTION-911-5000-49	(2) 235/75R 17.5" tires mounted on 8-bolt heavy-duty gray rims (8,000 pound axles on up)		\$ 215.00	\$ 215.00
1	990-100415	Aluminum bolt on fenders (Approximately 1/8" thick)		\$ 0.00	\$ 0.00
1	990-100274	2-1/2" Wallace Forge Pintle Hitch		\$ 0.00	\$ 0.00
1	OPTION-980-1000	Aluminum Bolt On Chock Holders (Does not include chocks)		\$ 130.00	\$ 130.00
1	OPTION-980-5000-27	Pole style cone holder (weld on)		\$ 105.00	\$ 105.00
1	OPTION-915-5000-38 86	Dual Wig Wag LED Strobe Lights - for a machine with a winch (Double decal plate)		\$ 525.00	\$ 525.00

### CUSTOMER TOTALS

Total Unit Price:		\$ 62230.00
Customer Discount:	15.0000 %	- \$ 9334.50
Dealer Preparation/Delivery:		\$ 450.00
<b>Customer Net Unit Price:</b>		<b>\$ 53345.50</b>
Freight/Shipping:		\$ 1500.00
<b>Customer Total:</b>		<b>\$ 54845.50</b>

### SIGNATURE

The Buyer, whose name and address appears above, agrees to purchase from the Seller, whose name and address appears above, the above equipment at the prices stated and upon the terms and conditions of this agreement.

X

Signature \_\_\_\_\_

Date \_\_\_\_\_



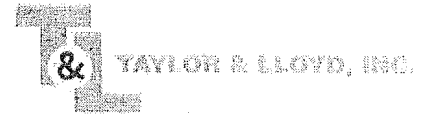
## TERMS AND CONDITIONS

1. Buyer agrees to grant Bandit Industries, Inc., a security interest in the equipment covered by this order unit said equipment is paid in full.
2. This is a shipment contract and the goods shall be delivered F.O.B. Bandit Industries, Inc., Remus, Michigan. The risk of loss of the goods shall pass to the buyer as the goods are tendered to the carrier.
3. In the event Buyer defaults in the payment of any amounts due hereunder immediately due and payable without notice or demand, and shall have all of the remedies of a secured party under the Uniform Commercial Code and any other applicable laws. Upon repossession of the equipment by Seller, any notices required to be given by Seller to Buyer with respect to the sale or other disposition. In the event of a default, Buyer agrees upon Seller's request to make the equipment available to the Seller at such place as Seller may designate.
4. The Buyer agrees to keep the above described property insured against loss or damage by fire, wind, theft and accident by an insurance company or companies is to be payable to the Seller as its interest may appear, and the policies to be delivered to and retained by the Seller until the purchase price is paid in full. Such insurance coverage shall begin when Seller tenders the goods to the carrier.
5. Any tax other governmental charge upon the production, sales, or shipment of the goods sold hereunder, now imposed, or hereafter becoming effective during the term of this agreement, shall be added to the price herein provided, and shall be paid by the Buyer to the Seller.
6. This shall become a binding contract and effective as of the date when, but not before, either:
  - (a) It has been accepted by the Seller at its executive office, or
  - (b) The equipment has been delivered to the Buyer with or without acceptance in writing. Notice of acceptance is hereby waived by the Purchaser. The Purchaser acknowledges receipt of a true and complete copy of its sales agreement.
7. Seller shall not be responsible for failure to ship according to the terms and conditions of this contract, where such failure is caused by any fires, strikes, labor difficulties, failure of carriers to furnish facilities or acts of carriers, or other causes beyond the control of Seller: Provided that when such failure does not exist Seller shall perform this contract within a reasonable time.
8. There are no understandings, agreements, or representations, express or implied including any recording, merchantability, or fitness for a particular purpose, not specified herein, respecting this contract or the equipment hereunder. The contract and warranty are intended by the parties as a final expression of their agreement and are intended as a complete and exclusive statement of the terms of their agreement. No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any terms used in this agreement. Acceptance or acquiescence in a course of performance rendered under this agreement shall not be relevant to determine the meaning of this agreement even the accepting or acquiescing party had knowledge of the nature of the performance and opportunity for objection. Whenever a term defined by the Uniform Commercial Code is used in this agreement the definition contained in the Code is to control.
9. No agent, employee or representative of the Seller has any authority to bind the Seller to any affirmation, representation or warranty concerning the goods sold under this agreement, and unless an affirmation, representation or warranty made by an agent, employee or representative is specifically included with this written agreement, it has not formed a part of the basis of this bargain and shall not in any way be enforceable by the Buyer.
10. This agreement can not be modified or rescinded only by a writing signed by both of the parties or their duty authorized agents.
11. This agreement shall be governed by the Uniform Commercial Code. Whenever the term "Uniform Commercial Code" is used, it shall be construed as meaning the Uniform code as adopted by the State of Michigan as effective and in force on the date of this agreement.
12. The counterpart of this contract held by the Seller shall be considered the original and shall be the binding agreement in case of a variance in any particular between in and the signed copy.





Description: MV (4300) Knapheide Dumping Rack Body  
 Quote Date: 9/26/2018 25,500 GVWR Hydraulic Brakes



Presented in accordance with Greater Boston Police Council Cooperative Procurement Program/MAPC.  
 Contract# GBPC 2018 Trucks - Pricing valid through: October 30, 2018 Current contract available upon request.

Town of Scituate  
 Rick  
 68 Captain Pierce Road  
 Scituate, MA 02066  
 xxx-xxx-xxxx

Based on our previous discussions, I have prepared the following proposal for your review.

Quantity	Description	Unit Price
<b>BASE UNIT AND CHASSIS OPTIONS</b>		
	12-101C Medium Duty International Truck Model: 4300 / MV SBA 4 x 2	\$ 70,545.00
	136 80,000 psi 10.25" x 3.092" x 0.375"	\$ 403.00
	155 Air Suspension Drivers Seat	\$ 315.00
	156 Two-Man Passenger Seat ILO Single Seat	\$ 585.00
	170 Trailer Brake Connections - Electric	\$ 368.00
	177 Front Tow Hooks - Double	\$ 85.00
	188 Heavy Duty .472" Hub Piloted Disc Wheels - Front Axle	\$ 195.00
	189 Heavy Duty .472" Hub Piloted Disc Wheels - Rear Axle - per axle	\$ 316.00
	190 Powder Coated Wheels	\$ 73.00
<b>BODY &amp; EQUIPMENT OPTIONS</b>		
2	328 Stationary Steel Headboard for Rack Body	\$ 1,624.00
	329 Diamond Plate Steel Flooring for Rack Body - per foot	\$ 66.00
	330 Twelve (12) Foot Dumping Rack Body with Electric/Hydraulic Hoist	\$ 10,150.00
	331 Add for each 2 Ft. Increment	\$ 914.00
	335 Polymer Rear Fenders	\$ 964.00
	338 PTO & Pump for Automatic or Manual Transmission	\$ 3,248.00
4	492 30" Stainless Steel Underbody Tool Box	\$ 2,640.00

CONTINUED ON PAGE 2









**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/19/19

Project Number:	2021-429-03	
Project Title:	Tractor	
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:**

Replacement of 1985 John Deere Tractor

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

*The current tractor is 36 years old, very tired and unreliable, new tractor will allow for better time in cutting grass and maintaining athletic fields. This tractor is used constantly for all field repairs and maintenance. Also used for roadside brush cutting in all area's of Public Grounds work.*

**Discuss Operating Budget Impact:**

*The request is for \$42,000 to the 2021 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$42,000	\$42,000					<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>\$42,000</b>	<b>\$42,000</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>\$42,000</b>	<b>\$42,000</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					



# YOUR CONTRACT. YOUR QUOTE. YOUR HELP REQUESTED.

**Ensure your equipment arrives with no delay.  
Issue your Purchase Order or Letter of Intent.**

To expedite the ordering process, please include the following information in Purchase Order or Letter of Intent:

For any questions, please contact:

Shipping address

Billing address

Vendor: John Deere Company

2000 John Deere Run Cary,  
NC 27513

Contract name and/or number

Signature

Tax exempt certificate, if applicable

**Wayne Eccleston**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767

Tel: 508-824-4494

Fax: 508-824-4498

Email: [wayne@padbros.com](mailto:wayne@padbros.com)

Quote Id: 20412270

---

**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

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Prepared For:

**Scituate Public Works-grounds**



Proposal For:

**Delivering Dealer:**

Wayne Eccleston

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767

andrewm@padbros.com

**Quote Prepared By:**

WAYNE ECCLESTON  
wayne@padbros.com



ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):  
 Deere & Company  
 2000 John Deere Run  
 Cary, NC 27513  
 FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:  
 Padula Bros., Inc.  
 184 Broadway - Route 138  
 Raynham, MA 02767  
 508-824-4494  
 andrewm@padbros.com

**Quote Summary**

**Prepared For:**  
 Scituate Public Works-grounds  
 68 Captain Peirce Rd  
 Scituate, MA 02066  
 Business: 781-545-8733

**Delivering Dealer:**  
 Padula Bros., Inc.  
 Wayne Eccleston  
 184 Broadway - Route 138  
 Raynham, MA 02767  
 Phone: 508-824-4494  
 wayne@padbros.com

**Quote ID:** 20412270  
**Created On:** 10 September 2019  
**Last Modified On:** 10 September 2019  
**Expiration Date:** 10 October 2019

Equipment Summary	Selling Price	Qty	Extended
JOHN DEERE 3046R Compact Utility Tractor (34 PTO hp) - Cab <b>Contract:</b> MA Lawn & Grounds Equipment FAC88 (PG 3X CG 22) <b>Price Effective Date:</b> December 14, 2018	\$ 40,661.62 X	1 =	\$ 40,661.62
<b>Equipment Total</b>			<b>\$ 40,661.62</b>

\* Includes Fees and Non-contract items

Quote Summary	
Equipment Total	\$ 40,661.62
Trade In	
SubTotal	\$ 40,661.62
Est. Service Agreement Tax Total	\$ 0.00
Down Payment	(0.00)
Rental Applied	(0.00)
<b>Balance Due</b>	<b>\$ 40,661.62</b>

# Selling Equipment

Quote Id: 20412270      Customer Name: SCITUATE PUBLIC WORKS-GROUNDS

**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

Deere & Company  
 2000 John Deere Run  
 Cary, NC 27513  
 FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

Padula Bros., Inc.  
 184 Broadway - Route 138  
 Raynham, MA 02767  
 508-824-4494  
 andrewm@padbros.com

## JOHN DEERE 3046R Compact Utility Tractor (34 PTO hp) - Cab

Hours:

Stock Number:

Contract: MA Lawn & Grounds Equipment FAC88 (PG 3X  
 CG 22)

Selling Price \*  
 \$ 40,661.62

Price Effective Date: December 14, 2018

\* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
0299LV	3046R Compact Utility Tractor (34 PTO hp)	1	\$ 31,003.00	17.00	\$ 5,270.51	\$ 25,732.49	\$ 25,732.49
<b>Standard Options - Per Unit</b>							
0202	United States	1	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
0409	English Operator's Manual and Decal Kit	1	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
1520	eHydro	1	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
1701	Factory Installed Loader with Bucket	1	\$ 6,024.00	17.00	\$ 1,024.08	\$ 4,999.92	\$ 4,999.92
2060	Deluxe Cab with Air Ride Seat	1	\$ 9,441.00	17.00	\$ 1,604.97	\$ 7,836.03	\$ 7,836.03
2650	Less Radio	1	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
3330	Dual Mid & Single Electrohydraulic Rear SCV	1	\$ 1,015.00	17.00	\$ 172.55	\$ 842.45	\$ 842.45
3420	Mid PTO	1	\$ 742.00	17.00	\$ 126.14	\$ 615.86	\$ 615.86
4061	Less iMatch Quick Hitch Category 1	1	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
5220	15-19.5 (6PR, R4 Industrial, 2 Position)	1	\$ -95.00	17.00	\$ -16.15	\$ -78.85	\$ -78.85
6220	25x8.50-14 (6PR, R4 Industrial, 2 Position)	1	\$ 58.00	17.00	\$ 9.86	\$ 48.14	\$ 48.14
<b>Standard Options Total</b>			<b>\$ 17,185.00</b>		<b>\$ 2,921.45</b>	<b>\$ 14,263.55</b>	<b>\$ 14,263.55</b>
<b>Dealer Attachments/Non-Contract/Open Market</b>							
BW15073	Ballast Box	1	\$ 302.50	17.00	\$ 51.43	\$ 251.08	\$ 251.08
LVB24852	Beacon Light Kit (Cab Only)	1	\$ 251.90	17.00	\$ 42.82	\$ 209.08	\$ 209.08
LVB24844	External Mirror Kit (Cab Only)	1	\$ 196.90	17.00	\$ 33.47	\$ 163.43	\$ 163.43
LVB24851	Horn Kit (Cab Only)	1	\$ 50.60	17.00	\$ 8.60	\$ 42.00	\$ 42.00



**JOHN DEERE**



# Selling Equipment

Quote Id: 20412270    Customer Name: SCITUATE PUBLIC WORKS-GROUNDS

**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

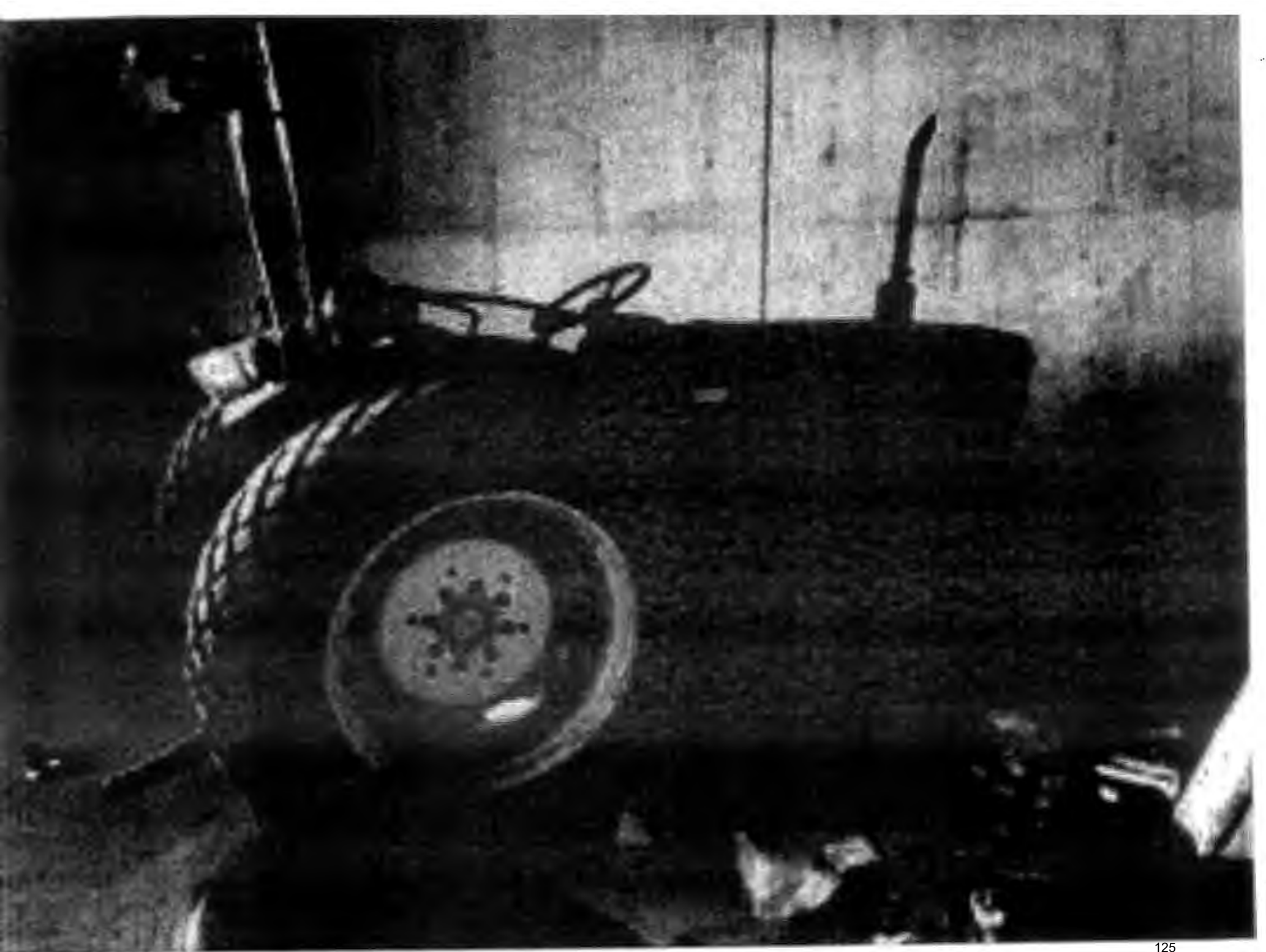
Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

<b>Dealer Attachments Total</b>	<b>\$ 801.90</b>	<b>\$ 136.32</b>	<b>\$ 665.59</b>	<b>\$ 665.59</b>
<b>Value Added Services Total</b>	<b>\$ 0.00</b>		<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Suggested Price</b>				<b>\$ 40,661.63</b>
<b>Total Selling Price</b>	<b>\$ 48,989.90</b>	<b>\$ 8,328.28</b>	<b>\$ 40,661.62</b>	<b>\$ 40,661.63</b>

*had. o - lights? 1000*





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09-19-19

Project Number:	2021-429-04		
Project Title:	Stump Grinder		
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:**

*New Stump Grinder*

*The Grinder varies depending on the activities that the machine is used for. It is used mainly for grinding down stumps from tree removals.*

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

*A new Stump Grinder will allow stump grindings to be done within the town and not have to contract out to a vendor.*

**Discuss Operating Budget Impact:**

*New Stump Grinder will be an impact of \$43,000 to the 2021 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
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	\$43,000	\$43,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$43,000</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>\$43,000</b>	<b>\$43,000</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					



Cleaves Company Inc.  
 300 Reservoir St.  
 Needham, MA 02494-0011  
 USA  
 877-449-0833 (Phone)  
 781-444-5611 (Fax)  
 www.cleavesco.com

**QUOTATION**

Quote #	Quote Created	Last Updated	Salesperson
98799	September 10, 2019 01:51 PM by Cleaves Company Inc.	September 10, 2019 01:54 PM by Cleaves Company Inc.	Dave Sarkisian

**CUSTOMER:**

Town of Scituate  
 68 Captain Pierce Rd  
 Scituate, MA 02066  
 USA  
 781-545-8733 (Phone)  
 Mike Green (Contact)

**MODEL 2550XP SELF-PROPELLED STUMP GRINDER**

Qty	Part #	Description	Base Price
1	MODEL-2550	Model 2550XP - Self-Propelled Stump Grinder	\$ 31605.00

**STANDARD EQUIPMENT**

Qty	Part #	Description	Price
1	STANDARD	8.5 gallon steel fuel tank with lockable filler cap, aluminum sight gauge and magnetic drain plug	\$ 0.00
1	STANDARD	8.5 gallon steel hydraulic tank with lockable filler cap, glass sight gauge mounted to side of tank and magnetic drain plug	\$ 0.00
1	STANDARD	600 PSI Gauge	\$ 0.00
1	STANDARD	3000 PSI Gauge	\$ 0.00
1	STANDARD	6000 PSI Gauge	\$ 0.00
1	STANDARD	Hydrostatic unit (Cutterwheel is driven by a heavy-duty hydraulic motor and is engaged via a hydraulic pump) (NO belts or bearings to maintain)	\$ 0.00
1	STANDARD	(4) hydraulic motors for drive system (2 with brakes and 2 without)	\$ 0.00
1	STANDARD	Four wheel drive	\$ 0.00
1	STANDARD	(6) 8.5 x 10, 4 ply tires mounted on 5-bolt white rims (dual rims can be removed via a single bolt)	\$ 0.00
1	STANDARD	Plastic battery compartment with 800 CCA Interstate battery	\$ 0.00
1	STANDARD	Murphy 380 panel with tach / hour meter	\$ 0.00
1	STANDARD	Rubber debris chip curtains	\$ 0.00
1	STANDARD	Weather resistant manual container	\$ 0.00
1	STANDARD	Self contained live hydraulic system	\$ 0.00
1	STANDARD	Safety DVD, (2) 6" wide x 9" tall Bandit operator's manuals (one paper copy and one waterproof copy tethered to machine) and (1) engine operator's manual	\$ 0.00
1	STANDARD	Spanish & English combination safety decals	\$ 0.00
1	STANDARD	4 section control valves	\$ 0.00
1	STANDARD	Variable swing / travel speed	\$ 0.00
1	STANDARD	Hydraulic oil cooler	\$ 0.00

**OPTIONS**

1	333-32273	Standard Imron Industrial Urethane Bandit Yellow	\$ 0.00	\$ 0.00
1	990-RC1408-989	Kubota D1803-CR, 49.6 horsepower diesel engine - Tier 4 FINAL (Open Power unit) (2 year / 2,000 hour warranty)	\$ 12745.00	\$ 12745.00



1	990-1016-66	Unit to be controlled via a swing-out operator's console with control valves (Includes lexan protective window and rubber drop down curtain - valves control cutter wheel and machine drive functions, also included on console is engine e-stop)	\$ 1250.00	\$ 1250.00
1	OPTION-203-5000-45	21" diameter x 1 1/4" thick New Revolution cutter wheel with 24 carbide teeth (This is the new HD wheel with carbide infused wear strips on perimeter of wheel & side pockets)	\$ 1225.00	\$ 1225.00
1	990-101053	Hydraulic operated grading blade	\$ 2200.00	\$ 2200.00

**CUSTOMER TOTALS**

Total Unit Price:		\$ 49025.00
Customer Discount:	15.0000 %	- \$ 7353.75
Dealer Preparation/Delivery:		\$ 275.00
Customer Net Unit Price:		\$ 41946.25
Freight/Shipping:		\$ 800.00
Customer Total:		\$ 42746.25

**SIGNATURE**

The Buyer, whose name and address appears above, agrees to purchase from the Seller, whose name and address appears above, the above equipment at the prices stated and upon the terms and conditions of this agreement.

X \_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## TERMS AND CONDITIONS

1. Buyer agrees to grant Bandit Industries, Inc., a security interest in the equipment covered by this order unit said equipment is paid in full.
2. This is a shipment contract and the goods shall be delivered F.O.B. Bandit Industries, Inc., Remus, Michigan. The risk of loss of the goods shall pass to the buyer as the goods are tendered to the carrier.
3. In the event Buyer defaults in the payment of any amounts due hereunder immediately due and payable without notice or demand, and shall have all of the remedies of a secured party under the Uniform Commercial Code and any other applicable laws. Upon repossession of the equipment by Seller, any notices required to be given by Seller to Buyer with respect to the sale or other disposition. In the event of a default, Buyer agrees upon Seller's request to make the equipment available to the Seller at such place as Seller may designate.
4. The Buyer agrees to keep the above described property insured against loss or damage by fire, wind, theft and accident by an insurance company or companies is to be payable to the Seller as its interest may appear, and the policies to be delivered to and retained by the Seller until the purchase price is paid in full. Such insurance coverage shall begin when Seller tenders the goods to the carrier.
5. Any tax other governmental charge upon the production, sales, or shipment of the goods sold hereunder, now imposed, or hereafter becoming effective during the term of this agreement, shall be added to the price herein provided, and shall be paid by the Buyer to the Seller.
6. This shall become a binding contract and effective as of the date when, but not before, either:
  - (a) It has been accepted by the Seller at its executive office, or
  - (b) The equipment has been delivered to the Buyer with or without acceptance in writing. Notice of acceptance is hereby waived by the Purchaser. The Purchaser acknowledges receipt of a true and complete copy of its sales agreement.
7. Seller shall not be responsible for failure to ship according to the terms and conditions of this contract, where such failure is caused by any fires, strikes, labor difficulties, failure of carriers to furnish facilities or acts of carriers, or other causes beyond the control of Seller: Provided that when such failure does not exist Seller shall perform this contract within a reasonable time.
8. There are no understandings, agreements, or representations, express or implied including any recording, merchantability, or fitness for a particular purpose, not specified herein, respecting this contract or the equipment hereunder. The contract and warranty are intended by the parties as a final expression of their agreement and are intended as a complete and exclusive statement of the terms of their agreement. No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any terms used in this agreement. Acceptance or acquiescence in a course of performance rendered under this agreement shall not be relevant to determine the meaning of this agreement even the accepting or acquiescing party had knowledge of the nature of the performance and opportunity for objection. Whenever a term defined by the Uniform Commercial Code is used in this agreement the definition contained in the Code is to control.
9. No agent, employee or representative of the Seller has any authority to bind the Seller to any affirmation, representation or warranty concerning the goods sold under this agreement, and unless an affirmation, representation or warranty made by an agent, employee or representative is specifically included with this written agreement, it has not formed a part of the basis of this bargain and shall not in any way be enforceable by the Buyer.
10. This agreement can not be modified or rescinded only by a writing signed by both of the parties or their duly authorized agents.
11. This agreement shall be governed by the Uniform Commercial Code. Whenever the term "Uniform Commercial Code" is used, it shall be construed as meaning the Uniform code as adopted by the State of Michigan as effective and in force on the date of this agreement.
12. The counterpart of this contract held by the Seller shall be considered the original and shall be the binding agreement in case of a variance in any particular between in and the signed copy.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022-429-01		
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  Recurring  Resubmission

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

**Description:**

*Practice Football field: Reconstruct and pulverize and rough grade existing field, install loam to finish grad and hydro-seed. Invoices locating, removal and capping and reinstalling sprinkler heads.*

**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
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$58,000		\$58,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						Revolving Fund
<b>TOTAL</b>	<b>\$58,000</b>	<b>\$0</b>	<b>\$58,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	CPA Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$58,000</b>	<b>\$0</b>	<b>\$58,000</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: FY2021 - FY2025**

Date submitted: 09-19-19

Project Number:	2022-429-01	
Project Title:	Flail mower	
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:**

Diamond 16' HD 3 point hitch boom with Diamond Head - 50" rotary

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

Flail mower is a new attachment needed for the Case Loader to cut back roadside brush for all area of Heavy areas in town.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
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	\$36,000		\$36,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$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					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$36,000</b>	<b>\$0</b>	<b>\$36,000</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: FY2020 - FY2024

Date submitted: 9/20/18

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

Project Number:	2023-429-01		
Project Title:	Leaf & Debris Vacuum		
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:

New Leaf & Debris vacuum

Benefits of Project and Impact If Not Completed:

*This new Leaf and debris vacuum would help assist in fall clean up of all town properties and schools, it will also help with clean up of tree/stump removals.*

Discuss Operating Budget Impact:

*The request is for \$33,000 to the 2023 capital.*

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$33,000			\$33,000			<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>\$33,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,000</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>\$33,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,000</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					



www.norfolkpower.com  
info@norfolkpower.com

Ship To: SAME AS BELOW

5 Cushing Drive  
Wrentham, MA 02093  
Tel: (508) 384-0011  
Fax: (508) 384-8667

846 Bronco Highway  
Burrillville, RI 02830  
Tel: (401) 710-9911  
Fax: (401) 710-9466

45 North Main Street  
Carver, MA 02330  
Tel: (774) 213-9190  
Fax: (508) 465-0931

\*\*\*Please remit payment to Wrentham address\*\*\*

Invoice To: TOWN OF SCITUATE  
600 C.J. CUSHING HWY  
SCITUATE MA 02066

Branch 01 - WRENTHAM		
Date 09/11/2018	Time 16:28:54 (O)	Page 1
Account No SCITU003	Phone No 7815458733	Est No 02 Q01827
Ship Via	Purchase Order	
Tax ID No		
MATT REARDON		Salesperson MDR

**EQUIPMENT ESTIMATE - NOT AN INVOICE**

Description	** Q U O T E **	EXPIRY DATE: 12/10/2018	Amount
Stock #: ?	Serial #:		23700.00
AGRIMETAL 22-99-0537- 4000 SERIES LEAF & DEBRIS VAC 27HP KOH			
		Sale # 01 Subtotal:	23700.00
		TOTAL:	23700.00
Stock #: ?	Serial #:		8570.00
ROCKHOUND 72B LANDSCAPE RAKE ATTACHMENT FOR SKID STEER			
		Sale # 02 Subtotal:	8570.00
		TOTAL:	8570.00
		Subtotal:	32270.00
Authorization:		Quote Total:	32270.00





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2024-429-01		
Project Title:	Cemetery Maintenance Database/Program		
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:**

*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 Cemetery. This would also allow the town to have current technology applied for cemetery maintenance 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					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$30,000				\$30,000		<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>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</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>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>	

**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

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.

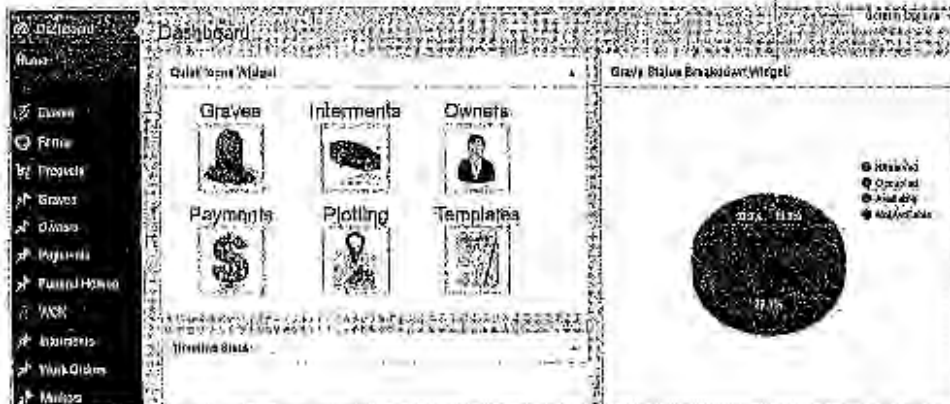
Secure CRM is our powerful, completely customizable web-based cemetery record management software that is built on FlexCore Framework. It is user-friendly and intuitive while maintaining robust computing, searching and plotting options to most effectively manage data.

### 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



## 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

www.cemsites.com



### 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.



### 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.



### REVENUE PLUS

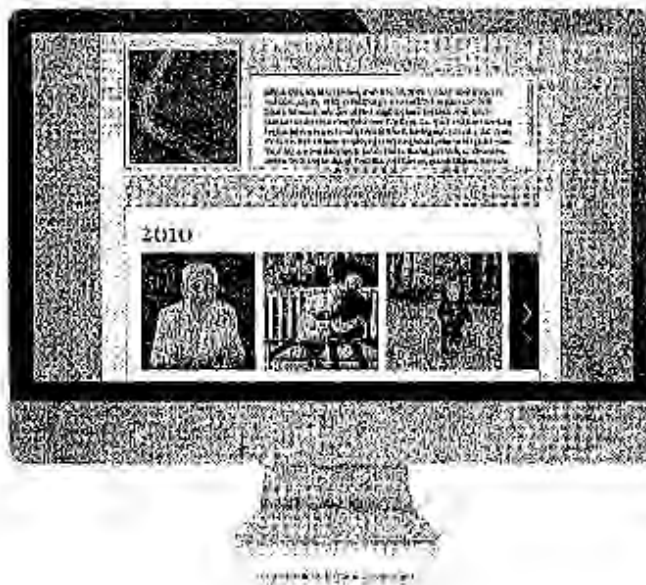
Drive new revenue streams by selling any product or service directly from your website, even if sales are sub-contracted through local or national vendors. The module also includes a drip marketing tool, allowing you to engage the community and expand opportunities.



### 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.



### 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.



### 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.



### 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!



### 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.



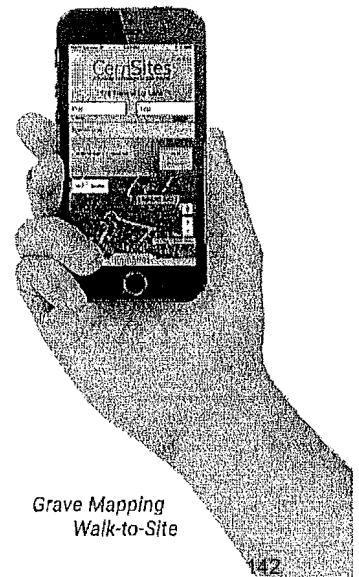
### OBSTRUCTION MANAGER

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.



### 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.



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.*

---

<b>Website Hosting</b>	1	\$480.00
<i>Annual License.</i>		
<hr/>		
<b>Secure CRM License</b>	1	\$900.00
<i>Annual License.</i>		
TOTAL		\$9,080.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2024-429-02		
Project Title:	Excavator		
Category:	Equipment		
Department:	Public Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring     Resubmission

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

**Description:**

Replace Excator  
Timeline July 1, 2024  
Location 68 Capt Peirce Road

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

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:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
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					



# Milton



**Massachusetts & RI Locations:**

100 Quarry Dr. 80 Concord St.  
Milford, Ma. 01757 N. Reading, Ma. 01864

14 Kendrick Rd., Rte 28 2158 Plainfield Pike  
Wareham, Ma. 02571 Cranston, RI, 02931

**Southworth-Milton, Inc.**  
[www.miltoncat.com](http://www.miltoncat.com)

*Authorized Representative*

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	New 2017 Cat 305.5E2 excavator with: 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: FY2018 - FY2022**

Date submitted: 11.11.16

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

Project Number:	<u>2024-429-03</u>		
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 <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	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 capitol.

**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"/> Debit
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$50,000		\$50,000				<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>\$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						
Net of CPA and Grants	\$50,000	\$0	\$50,000	\$0	\$0	\$0	

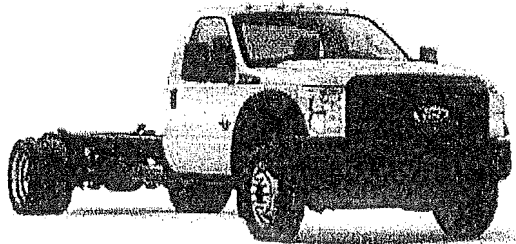
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

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>T8H</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>765</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 →

# Plymouth County Commissioners Cooperative Procurement Specifications

**CAB & CHASSIS**

## 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 Package	\$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: \_\_\_\_\_

Project ID: 2025-429-61

Project Title:	Truck 2-B, Medium Duty Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Braan/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 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				
		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>\$65,000</b>	<b>\$0</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 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

CPA Purpose(s) Check all that apply	
<input type="checkbox"/>	Open Space
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Historical
<input type="checkbox"/>	Housing

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

**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  

---

60,792  
x 1.05 Price Escalation  

---

\$63,831

Should you need any further information, please let me know.

Sincerely,

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 VIN: Quantity: 1  
 Estimated Ship Date: VON: Status: BA - Pending order  
 FAN 1: D05MN PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7068  
 PO Number:

Sold to: Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44786)  
 RAYNHAM (44786)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Vehicle: 2017 5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in) (DP0L63)

	Sales Code	Description	MSRP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in)	40,785
Package:	29A	Customer Preferred Package 29A	0
	ETK	6.7L I8 Cummins Turbo Diesel Engine	7,400
	DF2	6-Spd Auto Aisin AS59RC HD Trans	1,800
Paint/Seat/Trim:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Bench Seat	225
	-X8	Black/Diesel Gray	0
Options:	XXS	Upfitter Electronic Module (VSIM)	245
	LBN	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	350
	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
	T8B	Full Size Spare Tire	350
	AHD	Heavy Duty Snow Plow Prep Group	250
	XHC	Trailer Brake Control	295
	6N8	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	132	Zone 32-New York	0
	4EA	Bold 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>64,700</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 CU YD 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: FY2021 - FY2025**

Date submitted: 9/20/18

Date of Last Edit:

Project Number:	2025-429-02	
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 hydro seed  
includes locating, removal and capping and re-installing 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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$60,000					\$60,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</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>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</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: FY2021 - FY2025**

Date submitted: 9/20/18

Date of Last Edit:

Project Number:	2025-429-03	
Project Title:	Road Sidewalk	
Category:	Construction-walkway improvement at Town Hall	
Department:	Grounds	Contact: Mike Breen/Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

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

**Description:**

*Sidewalk Replacement at Town Hall*

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

*Sidewalk is in need of repair and is heavily traveled.*

**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
		2021	2022	2023	2024	2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input 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>\$0</b>	<b>\$35,000</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>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</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



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On behalf of the members of the  
South Shore Regional Services Consortium

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SS 2018 PW1  
Public Works Services

Sidewalks  
Item 14

Tasco Construction

Contract

1





# SS 2018.PW1 - Bid Price Form

Bidder Name: Tasco Construction, Inc

Bidder Initials: GT

Bid Item	Estimated Quantity	x	Bid Price / Unit	=	Total
Traffic Cones	200	x	1.00 /DY	=	\$ 200.00
25) Pre-Paving Sweeping					
Disposal by Town	As Needed	x	300.00 /HR		
Disposal by Contractor	As Needed	x	300.00 /TN		
26) Equipment Rental					
Gradall	140	x	225.00 /HR	=	\$ 31,500.00
Grader	140	x	225.00 /HR	=	\$ 31,500.00
Tandem 10-Ton Roller	10	x	225.00 /HR	=	\$ 2,250.00
10-Ton Vibrator Roller	10	x	225.00 /HR	=	\$ 2,250.00
10 Wheel Dump Truck	140	x	100.00 /HR	=	\$ 14,000.00
Trailer	10	x	120.00 /HR	=	\$ 1,200.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/20/18

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

Project Number:	2025-429-04	
Project Title:	MultiHog	
Category:	Equipment	
Department:	Grounds	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

New Multihog for Roadside brush cutting and sidewalk sweeping and maintenance. Also used in snow removal for sidewalks - plows and snow blows

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

with this new addition it would cut the current time in half to clear snow from all sidewalks, currently it takes 90-100 hours to clear all sidewalks. This machine will also be applying infield mix to ball fields, aide in beach entrance clean up, and assists in tree cleanup/removal.

**Discuss Operating Budget Impact:**

The request is for \$142,000 to the 2025 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2021	2022	2023	2024	2025	
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	\$142,000					\$142,000	<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>\$142,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$142,000</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>\$142,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$142,000</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					

**EQUIPMENT EAST, LLC**  
**61 Silva Lane, Dracut, MA 01826**  
**Office: 978-454-3320**

**Date: September 19, 2018**

**QUOTATION**

**Town of Scituate, MA - Department of Public Works**  
**600 Chief Justice Cushing Highway, Scituate, MA 02066**

*We are pleased to offer the following sidewalk tractor and attachments for consideration:*

**One (1) Multihog Model CX75 Sidewalk tractor**

**Standard Features Include:** 75 HP (56 KW), Tier 4 final engine  
 Cab heating, air-suspended driver seat and top-mounted road lights  
 Permanent 4 wheel drive with positive drive lock  
 Front 3 point linkage including mechanical adjustment of linkage rotation and float  
 Joystick with front linkage lift function including float and a second double acting (DA) hydraulic function to front  
 13 pin socket on front  
 3500 kg (7,716 lbs) gross vehicle weight  
 Manually adjustable heated mirrors & rotating beacon  
 Mechanical top link, tipping rear & cab tilt  
 Standard orange RAL2011 panels for CX 75  
 Front Mechanical PTO 1000 RPM, 1 3/8", 6 tooth spline shaft (clockwise rotation)  
 Viscous fan  
 0-100 L/M (0-26.4 gpm) to front  
 100 litre (26.4 gal) tee connection from front to rear  
 2 x DA valves to front (3 x DA total) and 1 x DA valve to rear (1 x DA rear total)  
 4 x DA lever valve block with float required for hydraulic tipping rear, hydraulic rotation of front linkage and triplex mower wings  
 Hydraulic tipping rear  
 Hydraulic rotation with radial floatation of front linkage  
 Hydraulic top link  
 Hydraulic cab tilt  
 Combined cab heating & air conditioning  
 Heated seat- heated base and back support  
 Heated windscreen  
 2 LED worklights (front)  
 2 LED worklights (rear)  
 LED amber flasher lights  
 Reversing camera  
 High temperature water hose running rear to front  
 mud guards  
 BFG All Terrain LT225/75/16 tyres with narrow mudguards  
*Machine width 1235 mm (48.6")*  
 BKT Trac Master 31x15.5x15 tyres with wide mudguards  
*Machine width 1560 mm (61.4")*  
 Plus extra windshields (3)  
 Plus roof and lights guard  
 Plus spare rim & tire

<b>MACHINE SELLING PRICE</b>	<b>\$ 99,288.14</b>
------------------------------	---------------------

**ATTACHMENTS**

Ducker - Una boom flail mower	\$ 20,430.59
Metec folding V-plow, extendible to 59" wide	\$ 8,511.32
Metec dual auger box plow (50" w. x 40" cutting height)	\$ 9,030.00

<b>MACHINE SELLING PRICE INCLUDING THE ABOVE ATTACHMENTS</b>	<b>\$ 137,260.05</b>
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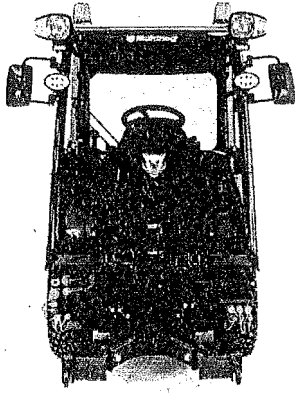
Addio 1000  
 Lights 1000  
 \$ 142,000

Thank you for this opportunity to quote the Multihog sidewalk tractor with the above choice of attachments. We look forward to being of service to you.

*Cyndi Mills, Municipal Division*  
 Cell: 978-404-2818

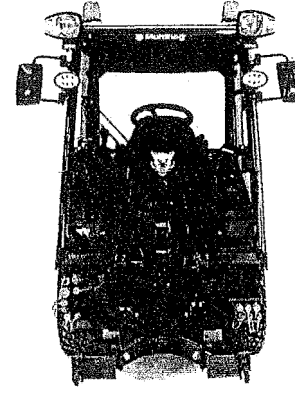


One Machine - One Driver - Endless Applications



CX 55 SPECIFICATION

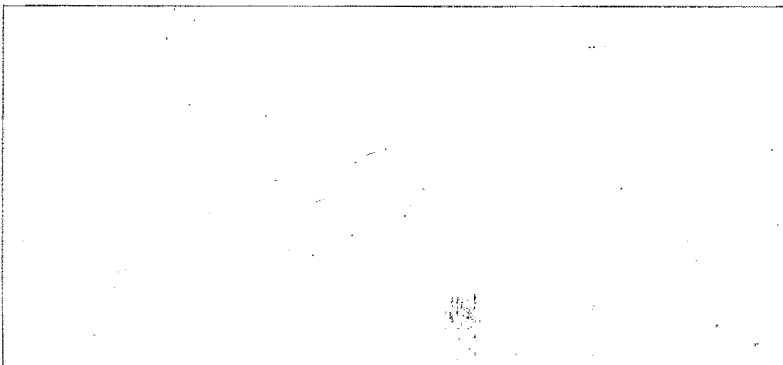
- ◆ Engine: Kohler, 55 hp (1.9 litre)
- ◆ Emissions class: Tier 4 final
- ◆ Length: 3490 mm (137.4 in)
- ◆ Width: 1150 - 1560 mm (45 - 61.5 in)
- ◆ Height: 1980 - 2040 mm (78 - 80 in)
- ◆ Wheelbase: 1710 mm (67 in)
- ◆ Unladen weight: 1950 - 2300 kg (4299 - 5071 lb)
- ◆ Axle capacity, front: 2300 kg (5071 lb)
- ◆ Axle capacity, rear: 2500 kg (5512 lb)
- ◆ Gross vehicle weight: 3500 kg (7716 lb)
- ◆ Outer turning radius: 2663 - 2863 mm (105 - 113 in)
- ◆ Maximum speed: 40 km/h (25 mph)
- ◆ Load-sensing PTO hydraulics front & rear, with optional front mechanical PTO
- ◆ Hydraulic flow up to 100 litres (26.4 gal), operating pressure up to 220 bar (3190 psi)



CX 55 L / CX 75 SPECIFICATION

- ◆ Engine: Kohler, 55/75 hp (1.9/2.5 litre)
- ◆ Emissions class: Tier 4 final
- ◆ Length: 3680 mm (145 in)
- ◆ Width: 1150 - 1560 mm (45 - 61.5 in)
- ◆ Height: 1980 - 2040 mm (78 - 80 in)
- ◆ Wheelbase: 1900 mm (75 in)
- ◆ Unladen weight: 2200 - 2500 kg (4850 - 5512 lb)
- ◆ Axle capacity, front: 2500 kg (5,512 lb)
- ◆ Axle capacity, rear: 2500 kg (5,512 lb)
- ◆ Gross vehicle weight: 3500 - 4000 kg (7716 - 8818 lb)
- ◆ Outer turning radius: 2938 - 3134 mm (115 - 123 in)
- ◆ Maximum speed: 40 km/h (25 mph)
- ◆ Load-sensing PTO hydraulics front & rear, with optional front mechanical PTO
- ◆ Hydraulic flow up to 100 litres (26.4 gal), operating pressure up to 220 bar (3190 psi)

Your local authorised dealer is:



- 🏠 Multihog Global Headquarters,  
Finnabair Business Park, Dundalk, Co. Louth, Ireland.
- ✉ info@multihog.com
- ☎ +353 42 9386738
- 🌐 www.multihog.com



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09-19-19

Project Number:	2025-0429-05		
Project Title:	John Deere 1445 Mower		
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:**

1445 John deere enclosed sit down mower with 72" mower deck

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

Mower would be used for daily use during the season on all fields.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		2021	2022	2023	2024	2025	<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	\$40,000					\$40,000		
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>		

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>\$0</b>	<b>\$0</b>	<b>\$40,000</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					

**YOUR CONTRACT.  
YOUR QUOTE.  
YOUR HELP REQUESTED.**

**Ensure your equipment arrives with no delay.  
Issue your Purchase Order or Letter of Intent.**

To expedite the ordering process, please include the following information in Purchase Order or Letter of Intent:

For any questions, please contact:

- Shipping address
- Billing address
- Vendor: John Deere Company
- 2000 John Deere Run Cary,  
NC 27513
- Contract name and/or number
- Signature
- Tax exempt certificate, if applicable

**Wayne Eccleston**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767

Tel: 508-824-4494  
Fax: 508-824-4498  
Email: [wayne@padbros.com](mailto:wayne@padbros.com)

Quote Id: 20449530

**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

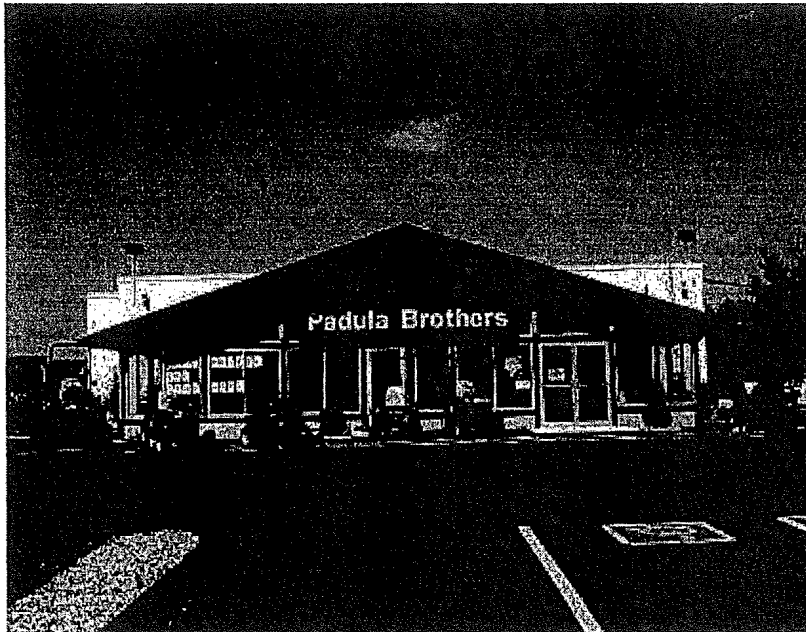
Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

Prepared For:

**Scituate Public Works-grounds**



Proposal For:

**Delivering Dealer:**

Wayne Eccleston

Padula Bros., Inc.

184 Broadway - Route 138

Raynham, MA 02767

andrewm@padbros.com

**Quote Prepared By:**

WAYNE ECCLESTON

wayne@padbros.com





ALL PURCHASE ORDERS MUST BE MADE OUT  
TO (VENDOR):  
Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT  
TO DELIVERING DEALER:  
Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

**Quote Summary**

**Prepared For:**  
Scituate Public Works-grounds  
68 Captain Peirce Rd  
Scituate, MA 02066  
Business: 781-545-8733

**Delivering Dealer:**  
Padula Bros., Inc.  
Wayne Eccleston  
184 Broadway - Route 138  
Raynham, MA 02767  
Phone: 508-824-4494  
wayne@padbros.com

**Quote ID:** 20449530  
**Created On:** 16 September 2019  
**Last Modified On:** 16 September 2019  
**Expiration Date:** 16 October 2019

Equipment Summary	Selling Price	Qty	Extended
JOHN DEERE 1575 TerrainCut with ComfortCab Commercial Front Mower (Less Mower Deck) <b>Contract:</b> MA Lawn & Grounds Equipment FAC88 (PG 3X CG 22) <b>Price Effective Date:</b> December 17, 2018	\$ 30,953.23 X	1 =	\$ 30,953.23
JOHN DEERE 72 In. 7-Iron PRO Commercial Side Discharge Mower Deck <b>Contract:</b> MA Lawn & Grounds Equipment FAC88 (PG 3X CG 22) <b>Price Effective Date:</b> December 17, 2018	\$ 3,833.83 X	1 =	\$ 3,833.83
PEROZZO 63" Front Mount Flail <b>Contract:</b> <b>Price Effective Date:</b>	\$ 5,200.00 X	1 =	\$ 5,200.00
<b>Equipment Total</b>			<b>\$ 39,987.06</b>

\* Includes Fees and Non-contract items

Quote Summary	
Equipment Total	\$ 39,987.06
Trade In	
SubTotal	<b>\$ 39,987.06</b>

Salesperson : X \_\_\_\_\_

Accepted By : X \_\_\_\_\_



---

**ALL PURCHASE ORDERS MUST BE MADE OUT  
TO (VENDOR):**

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT  
TO DELIVERING DEALER:**

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

---

Est. Service	\$ 0.00
Agreement Tax	
Total	\$ 39,987.06
Down Payment	(0.00)
Rental Applied	(0.00)
<b>Balance Due</b>	<b>\$ 39,987.06</b>



# Selling Equipment

Quote Id: 20449530 Customer Name: SCITUATE PUBLIC WORKS-GROUNDS

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

Padula Bros., Inc.  
184 Broadway - Route 138  
Raynham, MA 02767  
508-824-4494  
andrewm@padbros.com

## JOHN DEERE 1575 TerrainCut with ComfortCab Commercial Front Mower

Hours:

Stock Number:

Contract: MA Lawn & Grounds Equipment FAC88 (PG 3X  
CG 22)

Selling Price \*  
\$ 30,953.23

Price Effective Date: December 17, 2018

\* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
2443TC	1575 TerrainCut with ComfortCab Commercial Front Mower (Less Mower Deck)	1	\$ 40,199.00	23.00	\$ 9,245.77	\$ 30,953.23	\$ 30,953.23
<b>Standard Options - Per Unit</b>							
001A	United States and Canada	1	\$ 0.00	23.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Standard Options Total</b>			<b>\$ 0.00</b>		<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Value Added Services Total</b>			<b>\$ 0.00</b>			<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Suggested Price</b>						<b>\$ 30,953.23</b>	
<b>Total Selling Price</b>			<b>\$ 40,199.00</b>		<b>\$ 9,245.77</b>	<b>\$ 30,953.23</b>	<b>\$ 30,953.23</b>

## JOHN DEERE 72 In. 7-Iron PRO Commercial Side Discharge Mower Deck

Equipment Notes:

Hours:

Stock Number:

Selling Price \*  
\$ 3,833.83

Contract: MA Lawn & Grounds Equipment FAC88 (PG 3X  
CG 22)

Price Effective Date: December 17, 2018

\* Price per item - includes Fees and Non-contract items

# Selling Equipment

Quote Id: 20449530      Customer Name: SCITUATE PUBLIC WORKS-GROUNDS

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company  
 2000 John Deere Run  
 Cary, NC 27513  
 FED ID: 36-2382580; DUNS#: 60-7690989

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

Padula Bros., Inc.  
 184 Broadway - Route 138  
 Raynham, MA 02767  
 508-824-4494  
 andrewm@padbros.com

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
0347TC	72 In. 7-Iron PRO Commercial Side Discharge Mower Deck	1	\$ 4,979.00	23.00	\$ 1,145.17	\$ 3,833.83	\$ 3,833.83
<b>Standard Options - Per Unit</b>							
001A	United States and Canada	1	\$ 0.00	23.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Standard Options Total</b>			<b>\$ 0.00</b>		<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Suggested Price</b>							<b>\$ 3,833.83</b>
<b>Total Selling Price</b>			<b>\$ 4,979.00</b>		<b>\$ 1,145.17</b>	<b>\$ 3,833.83</b>	<b>\$ 3,833.83</b>

## PEROZZO 63" Front Mount Flail

**Equipment Notes:**

Hours: 0

Stock Number:

Selling Price \*

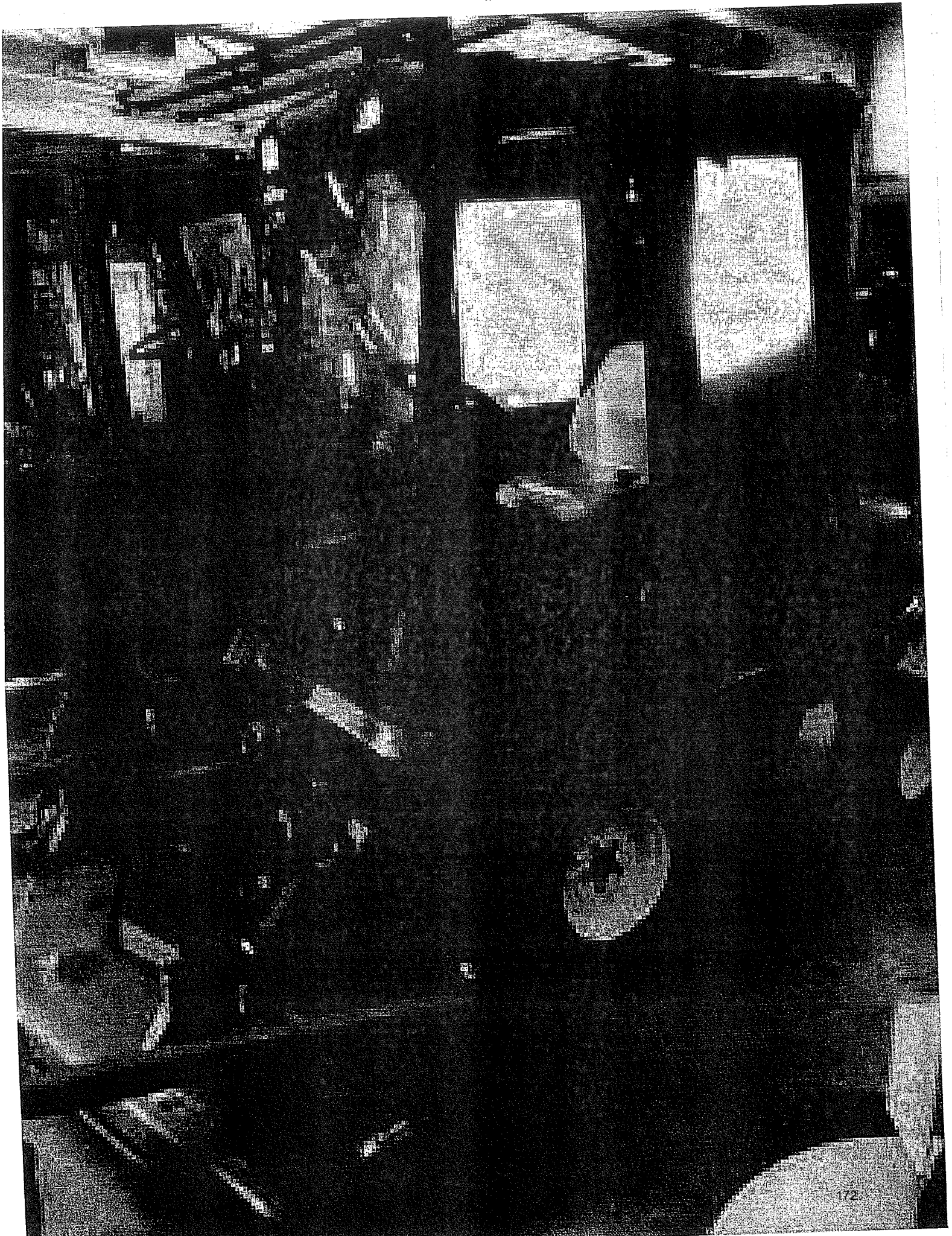
Contract:

\$ 5,200.00

Price Effective Date:

\* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
Allied	63" Front Mount Flail Mower	1	\$ 5,200.00	0.00	\$ 0.00	\$ 5,200.00	\$ 5,200.00
<b>Suggested Price</b>							<b>\$ 5,200.00</b>
<b>Total Selling Price</b>			<b>\$ 5,200.00</b>		<b>\$ 0.00</b>	<b>\$ 5,200.00</b>	<b>\$ 5,200.00</b>





1445

JOHN DEERE

4500



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11/3/17

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

Project Number:	2021-410-1		
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
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$210,000	\$210,000					<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>\$210,000</b>	<b>\$210,000</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 _renov project

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$210,000</b>	<b>\$210,000</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					





Full Coverage

December 11, 2018

Option #2

Annese Electric is please to propose a budget to install a 250 KW generator at the Town Library for the sum of \$210,000, (Two hundred and ten thousand dollars) to include the following: (This generator is assumed to be sized to operate the entire library)

Furnish and install a 250 KW diesel generator with a sound attenuated enclosure with a 1000 Gallon, 48 hour diesel fuel base tank within 75' of the library.

Install a new generator annunciator in the main electric room.

Provide wiring to the generator to the BMS system to monitor loads and shed AC units when required. We have not included costs of BMS system contractor programming.

Include a full diesel tank, 1000 Gallons.

Furnish and install a nema 4X 1200 AMP service rated transfer switch on pad outside adjacent to the new generator. (This will be your new main 1200 AMP breaker for the library)

Include all excavation and 2 concrete pads, 1 pad for the generator and 1 pad for the transfer switch, excluding engineering cost for structural pads.

It is assumed that the existing 1200 AMP secondary conduits between the transformer and main circuit breaker will be intercepted and rerouted through the new transfer switch located outside. It is also assumed the existing underground secondary conduits are NOT concrete encased!

The work outside will require the library be shut down for about a week, utility company costs would be paid by the town. We have included a 1 week generator rental for this period in our budget, including fuel and cables.

Our budgets includes all applicable insurance, permits and taxes, and is based on prevailing wages and excludes sales tax and permit fees.

We have not included any electrical engineering fees in our budgets.

We have not included the cost of a performance and payment bonds in our budgets.

Please feel free to contact me with any questions or concerns you might have.

Respectfully submitted,

Joseph Annese  
Annese Electrical Services, Inc.

280 Libbey Industrial Parkway  
781.337.6462

Weymouth, Massachusetts 02189  
781.337.6557 (fax)

2



A TETRA TECH COMPANY

Consulting Engineers  
101 Federal Street – Suite 600  
Boston, MA 02110

T: 617.748.7800

F: 617.748.7801

www.cosentini.com

M. A. Mass, PE  
D. C. Mass, PE  
M. W. Maybaum, PE  
E. Barbieri, PE  
R. Leber, PE  
S. R. Caesar, PE  
D. DeRobertis, PE

January 16, 2019

Noel Murphy  
Associate

Oudens Ello Architecture, LLC  
46 Waltham Street, Suite 4A  
Boston, MA 02118

Re: Additional Services Proposal to Provide Consulting Engineering Services  
Scituate Public Library, Scituate, MA | Standby Generator System

Dear Mr. Murphy:

Thank you for the opportunity to submit an additional service proposal for the project referenced above. It also includes our proposed fee for the services outlined herein, terms of payment and the assumptions upon which we have based our fees.

#### A. PROJECT SCOPE

We propose to provide MEP/FP engineering services for the following scope:

##### Standby Generator System

- Review loads to be powered by the new standby generator.
- Review drawings and existing conditions to determine space available for generator and for ATS and electrical distribution equipment. Coordinate equipment locations with architect.
- Prepare engineer modifications to the existing power distribution system to incorporate a standby generator.
- Prepare biddable documents -- drawings and specifications - for the electrical work.
- Review shop drawings.
- Review and respond to RFI's (if any).
- Perform a site observation visit during construction to confirm the installation of the system.

#### B. COMPENSATION

Based on the above scope of work for the basic services for the project, as well as the description of the project, we propose a lump sum fee as follows: \$ 14,000.

New York, NY  
Boston, MA

Chicago, IL  
Houston, TX

Los Angeles, CA  
Irvine, CA

Miami, FL  
Freehold, NJ

Calgary, AB  
Mexico City, Mexico

Paris, France  
Shanghai, PRC

January 16, 2019  
Page 2 of 2

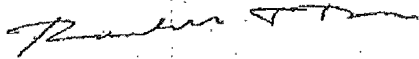
**C. TERMS AND CONDITIONS**

All terms and conditions of our base contract will apply to this additional services agreement.

We hope that the above meets with your approval. We look forward to working with you on this project and request that you indicate your approval of this letter of agreement by signing in the space provided below.

Very truly yours,

COSENTINI ASSOCIATES, INC.



Randall Duke, PE, LEED AP BD+C  
Vice President

**ACCEPTED BY:**

Signature \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

**Billing Instructions:**

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Project Reference No. \_\_\_\_\_

Proposal No. \_\_\_\_\_



# GREATER BOSTON POLICE COUNCIL CATALOG

## FORD VEHICLES

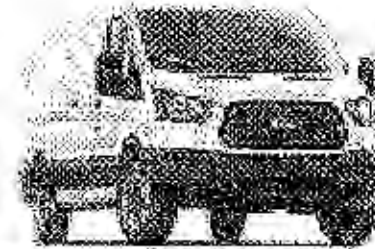


MODEL	CODE	DESCRIPTION	PRICE
Explorer	K8A	Police Int. Utility	\$27,995.00
Explorer	K8B	Base 4WD	\$28,310.00
Explorer	K8D	XLT 4WD	\$31,455.00



MODEL	CODE	DESCRIPTION	PRICE
Transit Connect	S6E	Van XL SWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$20,830.00
Transit Connect	F8E	XL Van SWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$20,860.00
Transit Connect	E7E	Van XL LWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$21,780.00
Transit Connect	S7E	Van XL SWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$21,780.00
Transit Connect	E6F	XLT Van SWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$22,380.00
Transit Connect	S6F	Van XLT SWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$22,380.00
Transit Connect	S7F	Van XLT LWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$23,105.00
Transit Connect	E7F	Van XLT LWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$23,385.00

MODEL	CODE	DESCRIPTION	PRICE
Transit Connect	S9C	Wagon XL LWB - Dual Sliding Doors 2nd Row Glass Slides Up/Down 3rd Row Fixed Glass With	\$23,130.00
Transit Connect	E9C	Wagon XL LWB - Dual Sliding Doors 2nd Row Glass Slides Up/Down with RR Liftgate With Fixed	\$23,130.00
Transit Connect	S9F	Wagon XLT SWB - Dual Sliding Doors 2nd Row Glass 1 Shot Slide Up/Down 3rd Row and RR Fixed	\$23,265.00
Transit Connect	F8F	Wagon XLT SWB - Dual Sliding Doors 2nd Row Glass 1 Shot Slide Up/Down 3rd Row Fixed Glass RR	\$23,265.00
Transit Connect	S9F	Wagon XLT LWB - Dual Sliding Doors 2nd Row Glass 1 Shot Sliding Up/Down Fixed 3rd Row	\$25,079.00
Transit Connect	E9F	Wagon XLT SWB - Dual Sliding Doors 2nd Row Glass 1 Shot	\$25,079.00



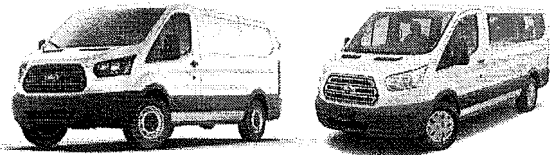
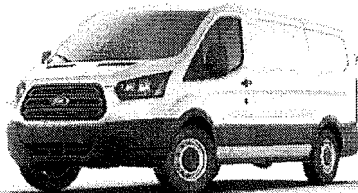
MODEL	CODE	DESCRIPTION	PRICE
Transit	E1Z	Transit 150 Low Roof 60/40 Pass 130" WB	\$22,370.00
Transit	F1Y	Transit 150 Low Roof Sliding Pass 130" WB	\$22,323.00
Transit	E0Z	Transit 150 Low Roof 60/40 Pass 148" WB	\$23,368.00
Transit	E2Y	Transit 150 Low Roof Sliding Pass 148" WB	\$23,360.00
Transit	E1C	Transit 150 Van Med Roof Sliding Pass 130" WB	\$24,315.00

# GREATER BOSTON POLICE COUNCIL CATALOG

## FORD VEHICLES

Transit	E1D	Transit 150 Van Med Roof Dual Sliding 130" WB	\$25,438.00
Transit	E2D	Transit 150 Van Med Roof Dual Sliding 148" WB	\$27,050.00
Transit	E2C	Transit 150 Van Med Roof Sliding Pass 148" WB	\$26,430.00
Transit	K1Z	Transit 150 XL Wagon Low Roof 60/40 Pass 130" WB	\$25,040.00
Transit	K1Y	Transit 150 XL Wagon Low Roof Sliding Pass 130" WB	\$25,183.00
Transit	K1C	Transit 150 XL Wagon Med Roof 60/40 Pass 130" WB	\$28,377.00

Transit	R2D	Transit 250 Van Med Roof Dual Sliding 148" WB	\$27,900.00
Transit	R2C	Transit 250 Van Med Roof Sliding Pass 148" WB	\$27,380.00
Transit	R3U	Transit 250 Van High Roof Dual Sliding 148" EL WB	\$30,998.00
Transit	R2U	Transit 250 Van High Roof Dual Sliding 148" WB	\$29,867.00
Transit	R3X	Transit 250 Van High Roof Pass Slide 148" EL WB	\$30,432.00
Transit	R2X	Transit 250 Van High Roof Pass Slide 148" WB	\$29,201.00

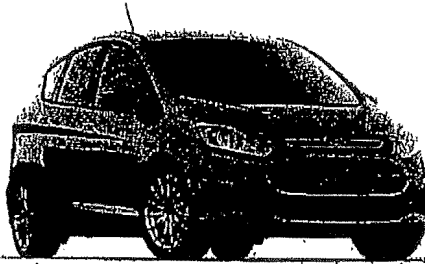


MODEL	CODE	DESCRIPTION	PRICE
Transit	R5Z	T250 Chassis Cab SRW Chassis Cab 138" WB	\$21,929.00
Transit	R7Z	T250 Chassis Cab SRW Chassis Cab 156" WB	\$22,003.00
Transit	R5P	T250 Cutaway SRW Cutaway 138" WB	\$21,329.00
Transit	R7P	T250 Cutaway SRW Cutaway 156" WB	\$21,503.00
Transit	R1Z	Transit 250 low Roof 60/40 Pass 130" WB	\$23,500.00
Transit	R1Y	Transit 250 Low Roof Sliding Pass 130" WB	\$23,600.00
Transit	R2Z	Transit 250 low Roof 60/40 Pass 148" WB	\$24,208.00
Transit	R2Y	Transit 250 Low Roof Sliding Pass 148" WB	\$24,320.00
Transit	R1D	Transit 250 Van Med Roof Dual Sliding 130" WB	\$26,390.00
Transit	R1C	Transit 250 Van Med Roof Sliding Pass 130" WB	\$25,865.00

MODEL	CODE	DESCRIPTION	PRICE
Transit	W7Z	T350 Chassis Cab SRW Chassis Cab 156" WB	\$22,685.00
Transit	F6Z	T350 Chassis Cab HD DRW Chassis Cab 138" WB	\$23,137.00
Transit	S6Z	T350 Chassis Cab HD DRW Chassis Cab 138" WB	\$23,355.00
Transit	F8Z	T350 Chassis Cab HD DRW Chassis Cab 156" WB	\$23,729.00
Transit	S8Z	T350 Chassis Cab HD DRW Chassis Cab 156" WB	\$23,746.00
Transit	F9Z	T350 Chassis Cab HD DRW Chassis Cab 178" WB	\$24,181.00
Transit	S9Z	T350 Chassis Cab HD DRW Chassis Cab 178" WB	\$24,399.00
Transit	W7P	T350 Cutaway SRW Cutaway 156" WB	\$22,184.00
Transit	F6P	T350 Cutaway HD DRW Cutaway 138" WB	\$22,637.00
Transit	S6P	T350 Cutaway HD DRW Cutaway 138" WB	\$22,857.00
Transit	F8P	T350 Cutaway HD DRW Cutaway 156" WB	\$23,028.00

## 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

CODE	DESCRIPTION	PRICE
<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
78F	Stainless Steel Door Scuff Plates	\$90.00
96D	Charge Port Door Graphic	\$60.00
78A	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	\$52.00
94B	Smokers Package	N/A

Ford Extended Service Plans: Discount from MSRP 20%

Ford Factory Options: Discount from MSRP 5%

CROSSOVERS / SUVs







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

<b>Capital Improvement Program: FY2018 - FY2022</b>			Date submitted: _____	Date of Last Edit: _____
Project Number:	2022-410-a2			
Project Title:	Town Hall new ADA Access			
Department:	Construction	Contact:		
Department:	Facilities	Contact:		
Project Is:	<input checked="" type="checkbox"/> X	Recurring [ ]	Resubmission [ ]	
	Multiyear [ ]	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.

---

**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.

Provide ADA access at front entry.

---

**Discuss Operating Budget Impact:**  
Explain the project's short- and long-term impacts on the community's operating budget.

\$210,000

---

**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	\$210,000				\$210,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$210,000</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>\$210,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$210,000</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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11/6/1

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

Project Number:	2023-410-1		
Project Title:	Town Hall Electrical Distribution		
	Building Renovation		
Department:	Facilities	Contact:	Kevin Kelly

<b>Department Priority:</b>	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input checked="" type="checkbox"/>	Enhancement

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

**Description:**  
*Install additional wall outlets with new circuits for additional electronic equipment/needs for safety to eliminate existing extension cords.*

**Benefits of Project and Impact if Not Completed:**  
*Enhanced use and Safety*

**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	
		FY2021	FY2022	FY2023	FY2024	FY2025	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$100,000			\$100,000			<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</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	
	\$0		\$0		\$0	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation
	\$0		\$0		\$0	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing
	\$100,000		\$0		\$100,000		

<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: FY2021 - FY2025**

Date submitted: 9/19/19

Date of Last Edit:

Project Number:	2021-220-01		
Project Title:	Humarock living quarters replacement		
Category:	Facility replacement		
Department:	Fire Department	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 Station 4 living quarters project has been funded \$325,000 in the last two years. Due to the unanticipated rising costs and additional code requirements we need to request an additional \$260,000. The replacement of the Humarock fire station has been discussed in recent years due to our newer fire engine not being able to fit in the existing facility and especially due to the deplorable conditions of the structure. Twice in 2018 salt water flooding penetrated the apparatus area as well as the floor framing and sheathing that will likely cause long term damage to the structure with rot & potential mold. There are several locations in the living space that the floors are weak and spongy. The current station does not comply with handicapped accessibility which we would need to provide especially with the expected increase in walk in medical aid volume as insurance requirements change. The new station would also provide space for a triage/treatment room where the current building does not have that ability. Building a pre fabricated structure would take much less time to build reducing costs and other logistical challenges.*

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

*The replacement of the Humarock Living quarters is the most cost effective solution to an aging station that was built in 1941. This was the oldest of all our fire stations and in need of extensive repair or replacement. The estimates cost to repair this station are extraordinary and the need to raise this building 5' to comply with the FEMA flood codes would be challenging due to the age and antiquated design of this 79 year old station. The new building would be built to the new building codes which have proven to with stand the effects of our ongoing storms. This would be a wooden pre-fabricated building which is built with 2x6 framing vs. 2x4 for conventional construction. The new building would be more efficient to heat and cool due to all the exterior up grades. If the project is not funded the current building would require similar costs to renovate and would not likely provide as long a term of service for our residents ad Humarock.*

**Discuss Operating Budget Impact:**

*The impact on the communities budget would be similar if we renovated or repaired the building as stated above, costs are very similar with a very different result. Fortunately we have \$50,000 allocated from FY19 and \$275,000 in FY20 making this project a multi year request. Unfortunately due to the current building boom the cost continue to escalate and this additional funding should bring us sufficient funding to complete this project in 2021. We are also looking at the State and Federal level to see if there are any funds to reduce the burden on our taxpayers.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$260,000	\$260,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<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"/> CPA
							<input type="checkbox"/> Grant(s) or Other

CPA Purpose(s) Check all that apply							
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
Net of CPA and Grants	\$260,000	\$260,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

**Operating Budget Impact**

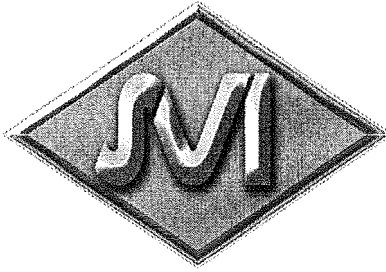
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

## STATION 4 LIVING QUARTERS

ITEM	COMMENT	COST
24'x48' pre-fab wood building	KBS Builders quote \$145K estimated with DCAM increase	\$275,000.00
Station 4 demo	\$4K demo & \$4K remove asbestos	\$8,000.00
Debris removal & site prep	Could be reduce if town trucks haul debris	\$10,000.00
Piling estimate	Armstrong quote	\$44,050.00
200 amp shared electric	\$25K total shared by both buildings \$10K on App Bay	\$15,000.00
HVAC/heat	Duct work included in building cost	\$20,000.00
Sprinkler system	13R residential sprinkler system	\$14,000.00
Fire alarm system	Smoke, CO & cameras	\$7,000.00
Zetron station connection	Connect to PSC system	\$13,000.00
Trailer rental	\$1600/mo 2 months for living space inside second bay	\$3,200.00
waste removal	In trailer weekly estimate	\$600.00
Septic system	Recommended but not mandated	\$25,000.00
Vertex	OPM \$10K half from facilities	\$5,000.00
Plumbing & gas hookup	Connected from App bay	\$10,000.00
Handicapped access	Handicapped ramp & deck for living quarters	\$25,000.00
Landscaping	Seed for grass & shrubbs along living quarters	\$20,000.00
Contingency	10% contingency	\$53,600.00
2 filtration systems	required by Conservation for storm water runoff	\$20,000.00

<b>TOTAL</b>	<b>\$568,450.00</b>	
<b>TOTAL BUDGET</b>	<b>\$325,000.00</b>	w/o grant
<b>BUDGET REMAINING</b>	<b>-\$243,450.00</b>	





**Specialty Vehicles, Inc.**

18 Commerce Blvd.  
Plainville, MA 02762  
Tel: 508.699.0616  
Fax: 508.699.0977  
Toll Free: 888.699.0616  
[www.svine.com](http://www.svine.com)

<b>SUBMITTED TO:</b>	<b>BIDDER:</b>	<b>MANUFACTURER:</b>
Chief John Murphy Scituate Fire Department 800 Chief Justice Cushing Highway Scituate, MA 02066	Specialty Vehicles, Inc. 18 Commerce Blvd. Plainville, MA 02762 Sales Rep: Mark Hooper	Life Line Emergency Vehicles 1 Life Line Drive Sumner, IA 50674

<b>DESCRIPTION OF VEHICLE:</b>	<b>DATE:</b> September 18, 2019
2020 Dodge RAM 4500 custom built Life Line "Superliner" Type I-AD, Class I Emergency Medical Vehicle.	
<b>PRICING BREAKDOWN:</b>	
Price of Vehicle:	\$ 350,810.00
Radio Allowance, Includes Installation:	\$ <u>9,600.00</u>
<b>TOTAL DELIVERED PRICE OF VEHICLE:</b>	<b>\$ 360,410.00</b>
<b>DELIVERY / TERMS &amp; CONDITIONS:</b>	
Delivery lead-time shall be within 120-150 calendar days after receipt of custom ordered chassis, approved final work order and drawings and a signed sales contract between Specialty Vehicles, Inc. and the Scituate Fire Department; whichever occurs later.	
Specialty Vehicles, Inc. reserves the right to withdraw this proposal if not accepted within 60 days.	
Terms: Net cash due upon delivery and acceptance.	
No Federal, State or Local Taxes are included.	

Thank you for the opportunity to submit our proposal. If you have any questions, please feel free to contact me at (888) 699-0616.

Respectfully Submitted,

*Mark C. Hooper*

Mark C. Hooper  
President



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/2019

Date of Last Edit: 9/19/2019

Project Number:	2021-220-03		
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    [ ]    Recurring [ X ]    Resubmission [ ]

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

**Description:**

To replace a 2005 Fire Administration vehicle. This vehicle is a 2005 Chevy Tahoe with 141,000 (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 FY21 this vehicle will be 15 years old with an estimated 146,000 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 due to the ongoing contact with salt water. The estimate for the vehicle is \$39,424. The estimates from my mechanic for equipment are: Lights & Siren Package \$2,900, 2 UHF radio's \$3,400, Command console \$4000. Total \$49,724.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2020	FY2021	FY2022	FY2023	FY2024
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>\$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					



Quote Date: 9/19/2019

### VEH98 Quote Form



Quote Number: ScituateFire - 91919 - ML

Order by Date:

Use one quote form per vehicle specification. Only multiples of the exact same spec'd vehicle can be included on each individual form.  
For options/upfits/transferred equipment, each line item must be fully populated.

AGENCY INFORMATION	
Agency:	City of Scituate
Secretariat:	
Department Name:	Fire Department
Address:	149 First Parish Rd, Scituate, MA 02066
Contact Name:	Eric Norlin
Phone:	781-545-8748
Email:	enorlin@scituatema.gov
Unit Code (Billing):	

VENDOR INFORMATION	
Vendor Name:	Mirak Chevrolet Inc.
Address:	1125 Massachusetts Ave. Arlington Ma
Contact Name:	Justin Longcoy / Mike LeBrun
Phone:	781-641-6855
Email:	Fleet@Mirak.com
Vehicle Coming From: (check one box)	<input type="checkbox"/> Dealer Inventory/Stock
	<input type="checkbox"/> Factory Order
	<input type="checkbox"/> Already on order / OEM pool unit

VEHICLE INFORMATION			
VEH98 Vehicle #:	SSV-CHV-TAHO-009	Exterior Color:	GBA - Black
Year:	2019	Interior Color:	HOU - Jet Black Cloth
Make:	Chevrolet	Engine (as quoted):	5.3L
Model:	Tahoe	Cylinders:	8
Trim Level & Drive Train:	SSV 1FL 4WD	Primary Fuel Type:	unleaded
Body Code & Equip Code:	CK15706	Secondary Fuel Type:	
Vehicle Quantity:	1	Contract Base Price:	\$38,520.00

ADDED FACTORY OPTIONS AND PACKAGES (PER VEHICLE)							
Quantity per Vehicle:	Supplier Name:	Factory Code:	Package / Option Description:	MSRP:	Discount %:	Contract Unit Price:	Total Per Vehicle:
1	Chevrolet	L83	5.3L V8 EcoTec3	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	MYC	6-Spd Automatic Trans	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	RD6	17" Wheels - Steel	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	RBZ	P255/70R17 Tires - All season	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	A95	Front Bucket Seats	\$250.00	7.2%	\$232.00	\$232.00
1	Chevrolet	8TV	Remote Vehicle Start	\$300.00	7.2%	\$278.40	\$278.40
1	Chevrolet	B30	Color Keyed Carpeting	\$190.00	7.2%	\$176.32	\$176.32
1	Chevrolet	WX7	Aux Speaker - Wiring	\$60.00	7.2%	\$55.68	\$55.68
1	Chevrolet	5HP	Spare Keys	\$41.00	7.2%	\$38.05	\$38.05
1	Chevrolet	6J3	Grill Lamps/Speaker wiring	\$92.00	7.2%	\$85.38	\$85.38
1	Chevrolet	6J4	Horn/Siren wiring	\$41.00	7.2%	\$38.05	\$38.05
1	Chevrolet	ATD	3rd Row Delete	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	UD7	Rear Park Assist	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	UVC	Rear View Camera	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	I05	8" Radio / Bluetooth + USB	\$0.00	7.2%	\$0.00	\$0.00
If factory options exceed this space, include as a separate list & summarize above.						Factory Options Total (per vehicle):	\$903.87

ADDED DISCOUNTS / INCENTIVES / CREDITS (PER VEHICLE)			
Grants	\$0.00	Notes:	Total Additional Incentives: \$0.00
Tax Credits/Rebates	\$0.00		
Promotional Discounts	\$0.00		
Volume Discounts	\$0.00		

QUOTE FORM SUMMARY			
Vehicle Leadtime to Dealer:		Total Factory Options per vehicle:	\$903.87
Upfit/Transfer Leadtime at Dealer:		Total Upfit per vehicle (next page):	\$0.00
TOTAL Order to Delivery Leadtime: (in weeks / Executive Agencies to Westboro)TOTAL		Total Transfer per vehicle (next page):	\$0.00
Trade-in Details *(value listed to the right): (does not apply to Executive Agencies)Trade-in		Contract Base Vehicle Price:	\$38,520.00
		*Trade in Value: *Trade In Value: *Trade in Value:	\$0.00
		Total Additional Incentives:	\$0.00
TOTAL COST PER VEHICLE (including all add-ons and incentives):			\$39,423.87







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022-220-1		
Project Title:	Command Vehicle 2010 Replacement		
Category:	Equipment		
Department:	Fire	Contact:	Chief Murphy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        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				
		FY2021	FY2022	FY2023	FY2024	FY2025
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					

Quote Date: 9/19/2019

**VEH98 Quote Form**



Quote Number: ScituateFire - 91919 - ML

Order by Date:

Use one quote form per vehicle specification. Only multiples of the exact same spec'd vehicle can be included on each individual form.  
For options/upfits/transferred equipment, each line item must be fully populated.

AGENCY INFORMATION	
Agency:	City of Scituate
Secretariat:	
Department Name:	Fire Department
Address:	149 First Parish Rd, Scituate, MA 02066
Contact Name:	Eric Norlin
Phone:	781-545-8748
Email:	enorlin@scituatema.gov
Unit Code (Billing):	

VENDOR INFORMATION	
Vendor Name:	Mirak Chevrolet Inc.
Address:	1125 Massachusetts Ave. Arlington Ma
Contact Name:	Justin Longcoy / Mike LeBrun
Phone:	781-641-6855
Email:	Fleet@Mirak.com
Vehicle Coming From: (check one box)	<input checked="" type="checkbox"/> Dealer Inventory/Stock
	<input type="checkbox"/> Factory Order
	<input type="checkbox"/> Already on order / OEM pool unit

VEHICLE INFORMATION			
VEH98 Vehicle #:	SSV-CHV-TAHO-009	Exterior Color:	GBA - Black
Year:	2019	Interior Color:	HOU - Jet Black Cloth
Make:	Chevrolet	Engine (as quoted):	5.3L
Model:	Tahoe	Cylinders:	8
Trim Level & Drive Train:	SSV 1FL 4WD	Primary Fuel Type:	unleaded
Body Code & Equip Code:	CK15706	Secondary Fuel Type:	
Vehicle Quantity:	1	Contract Base Price:	\$38,520.00

ADDED FACTORY OPTIONS AND PACKAGES (PER VEHICLE)							
Quantity per Vehicle:	Supplier Name:	Factory Code:	Package / Option Description:	MSRP:	Discount %:	Contract Unit Price:	Total Per Vehicle:
1	Chevrolet	L83	5.3L V8 EcoTec3	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	MYC	6-Spd Automatic Trans	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	RD6	17" Wheels - Steel	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	RBZ	P255/70R17 Tires - All season	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	A95	Front Bucket Seats	\$250.00	7.2%	\$232.00	\$232.00
1	Chevrolet	BTV	Remote Vehicle Start	\$300.00	7.2%	\$278.40	\$278.40
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1	Chevrolet	WX7	Aux Speaker - Wiring	\$60.00	7.2%	\$55.68	\$55.68
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1	Chevrolet	6J3	Grill Lamps/Speaker wiring	\$92.00	7.2%	\$85.38	\$85.38
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1	Chevrolet	ATD	3rd Row Delete	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	UD7	Rear Park Assist	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	UVC	Rear View Camera	\$0.00	7.2%	\$0.00	\$0.00
1	Chevrolet	I05	8" Radio / Bluetooth + USB	\$0.00	7.2%	\$0.00	\$0.00
If factory options exceed this space, include as a separate list & summarize above.						<b>Factory Options Total (per vehicle):</b>	<b>\$903.87</b>

ADDED DISCOUNTS / INCENTIVES / CREDITS (PER VEHICLE)			
Grants	\$0.00	Notes:	Total Additional Incentives:
Tax Credits/Rebates	\$0.00		
Promotional Discounts	\$0.00		
Volume Discounts	\$0.00		
			<b>\$0.00</b>

QUOTE FORM SUMMARY			
Vehicle Leadtime to Dealer:		Total Factory Options per vehicle:	\$903.87
Upfit/Transfer Leadtime at Dealer:		Total Upfit per vehicle (next page):	\$0.00
TOTAL Order to Delivery Leadtime: (In weeks / Executive Agencies to Westboro)TOTAL		Total Transfer per vehicle (next page):	\$0.00
Trade-in Details *(value listed to the right): (does not apply to Executive Agencies)Trade-in		Contract Base Vehicle Price:	\$38,520.00
		*Trade in Value: *Trade in Value: *Trade in Value:	\$0.00
		Total Additional Incentives:	\$0.00
<b>TOTAL COST PER VEHICLE (including all add-ons and incentives):</b>			<b>\$39,423.87</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: 2023-220-01  
 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 [X]  
 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				
		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				



**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 02066-4088

Attn: Rich Kelly

email: [d2nctri@aol.com](mailto:d2nctri@aol.com); [d2nctri@verizon.net](mailto:d2nctri@verizon.net)

Tel: 781-708-1232

**QUOTATION 113982 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
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> <ul style="list-style-type: none"> <li>Real CPR Help Expansion Pack \$ 995</li> <li>CPR Dashboard quantitative depth and rate in real time, release indicator, interruption timer, perfusion performance Indicator (PPI)</li> <li>• See-Thru CPR artifact filtering</li> </ul> <p><b>ZOLL Noninvasive Pacing Technology: \$2,650</b></p>	1	\$40,020.00	\$32,816.40	\$32,816.40

This quote is made subject to ZOLL's standard commercial terms and conditions (ZOLL T's + C's) which accompany this quote. Any purchase order (P.O.) issued in response to this quotation will be deemed to incorporate ZOLL T's + C's. Any modification of the ZOLL T's + C's must be set forth or referenced in the customer's P.O. No commercial terms or conditions shall apply to the sale of goods or services governed by this quote and the customer's P.O. unless set forth in or referenced by either document.

Page 1 Subtotal

**\$32,816.40**

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 ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT 978-421-0015 OR EMAIL TO [ESAL\\_ES@ZOLL.COM](mailto:ESAL_ES@ZOLL.COM).
- ALL DISCOUNTS OFF LIST PRICE ARE CONTINGENT UPON PAYMENT WITHIN AGREED UPON TERMS.
- PLACE YOUR ACCESSORY ORDERS ONLINE BY VISITING [www.zollwebstore.com](http://www.zollwebstore.com).





**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

**J: Scituate Fire Rescue**

149 First Parish Road  
Scituate, MA 02066-4098

Attn: Rich Kelly

email: [d2pcfr@aol.com](mailto:d2pcfr@aol.com); [d2pcfr@verizon.net](mailto:d2pcfr@verizon.net)

Tel: 781-708-1292

**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
6	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	\$845.00	\$758.00	\$758.00
*Reflects State of MA Contract# FUR03 pricing.						
<b>TOTAL</b>						<b>\$38,557.28</b>

This quote is made subject to ZOLL's standard commercial terms and conditions (ZOLL T's + C's) which accompany this quote. Any purchase order (P.O.) issued in response to this quotation will be deemed to incorporate ZOLL T's + C's. Any modification of the ZOLL T's + C's must be set forth or referenced in the customer's P.O. No commercial terms or conditions shall apply to the sale of goods or services governed by this quote and the customer's P.O unless set forth in or referenced by either document.

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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 ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT 978-421-0018 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).

Peter Mastromatteo  
Sr. EMS Territory Manager  
339-440-0059



**GUIDELINES  
2010 READY**

**ZOLL Medical Corporation**

Worldwide Headquarters  
269 Mill Rd  
Chelmsford, Massachusetts 01024-4105  
(978) 421-9655 Main  
(800) 348-9011  
(978) 421-0015 Customer Support  
FEDERAL ID#: 04-2711626

**to: Scituate Fire Rescue**

149 First Parish Road  
Scituate, MA 02066-4088

Attn: Rich Kelly

email: [d2pcrt@aol.com](mailto:d2pcrt@aol.com); [d2pcrt@verizon.net](mailto:d2pcrt@verizon.net)  
Tel: 781-708-1232

**QUOTATION 113862 V:3**

DATE: December 06, 2013

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</b> \$14,885 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><b>Real CPR Help Expansion Pack</b> \$ 895 CPR Dashboard quantitative depth and rate in real time, release indicator, interruption timer, perfusion performance indicator (PPI)</p> <ul style="list-style-type: none"> <li>• See - Thru CPR artifact filtering</li> </ul> <p><b>ZOLL Noninvasive Pacing Technology:</b> \$2,550</p>	1	\$40,020.00	\$32,816.40	\$32,816.40

This quote is made subject to ZOLL's standard commercial terms and conditions (ZOLL T's + C's) which accompany this quote. Any purchase order (P.O.) issued in response to this quotation will be deemed to incorporate ZOLL T's + C's. Any modification of the ZOLL T's + C's must be set forth or referenced in the customer's P.O. No commercial terms or conditions shall apply to the sale of goods or services governed by this quote and the customer's P.O unless set forth in or referenced by either document.

Page 1 Subtotal

**\$32,816.40**

1. DELIVERY WILL BE MADE 60-90 DAYS AFTER RECEIPT OF ACCEPTED PURCHASE ORDER.
2. PRICES QUOTED ARE VALID FOR 90 DAYS.
3. APPLICABLE TAX ADDITIONAL.
4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL.
5. FAX PURCHASE ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT 978-421-0018 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).

Peter Mastromatteo  
Sr. EMS Territory Manager  
339-440-0058





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	Included	
1.01A	All terrain tires - SRW	\$125.00	
1.18	Electronic Shift 4WD	\$185.00	
1.25	Factory Cab Steps	\$370.00	
1.17	Power Windows, Mirrors (heated), & Locks	\$895.00	
5.01	96" steel utility body - Omaha Standard Body	\$6,595.00	F1
5.04	2 Stage (Base + Clear) Paint for Service Body	\$1,295.00	F1
L2.08	RhinoLiner - Spray On Bed Liner (bed & compartment tops)	\$790.00	
2.51 (2)	LED Flood Lights on sides of rear hitch	\$330.00	
10.15	7 way RV Blade Style trailer plug	\$175.00	
2.17	Back Up Alarm	\$88.00	
C2.07	Whelen UHF2150A Wig-Wag Headlight Flasher	\$50.00	
C1.09	Whelen LFL Liberty LED Lightbar (14 module) with TDs/Alleys with CenCom Siren/Switch Controller	\$2,085.00	red
C8.07	Whelen SA315P Composite Siren Speaker	\$180.00	

\*\*\* Continued On Page 2 \*\*\*

401 Elm Street Marlborough, MA 01752  
Phone: 508-573-2625 Fax: 508-573-2725  
sdaoust@mhq.com

Scituate Fire F350 Ext. Cab Service Body 11.30.13 PCC



*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 BAFFLED NFPA TANK
- DARLEY 1.5GPH 21HP 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 FH3 CHROME ROLLERS ON EACH SIDE, 150 FEET OF GOODYEAR 1" 800 PSI RED BOOSTER HOSE AND (2) 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: FY2021 - FY2025**

Date submitted: 9/27/2018

Date of Last Edit: 9/27/2018

Project Number:	2024-220-1		
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 [ X ]    Resubmission [ ]

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

**Description:**

**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	
		FY2021	FY2022	FY2023	FY2024	FY2025	<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	\$326,250				\$326,250		<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$326,250</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,250</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$326,250</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,250</b>	<b>\$0</b>

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

Open Space

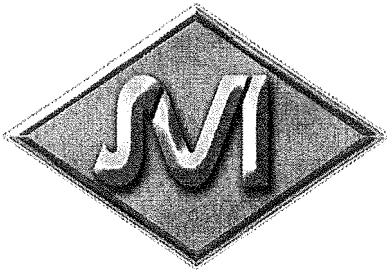
Recreation

Historical

Housing

**Operating Budget Impact**

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



**Specialty Vehicles, Inc.**

18 Commerce Blvd.  
Plainville, MA 02762  
Tel: 508.699.0616  
Fax: 508.699.0977  
Toll Free: 888.699.0616  
[www.svine.com](http://www.svine.com)

<b>SUBMITTED TO:</b>	<b>BIDDER:</b>	<b>MANUFACTURER:</b>
Chief John Murphy Scituate Fire Department 800 Chief Justice Cushing Highway Scituate, MA 02066	Specialty Vehicles, Inc. 18 Commerce Blvd. Plainville, MA 02762 Sales Rep: Mark Hooper	Life Line Emergency Vehicles 1 Life Line Drive Sumner, IA 50674

<b>DESCRIPTION OF VEHICLE:</b>	<b>DATE:</b> September 18, 2019
2020 Dodge RAM 4500 custom built Life Line "Superliner" Type I-AD, Class I Emergency Medical Vehicle.	
<b>PRICING BREAKDOWN:</b>	
Price of Vehicle:	\$ 350,810.00
Radio Allowance, Includes Installation:	<u>\$ 9,600.00</u>
<b>TOTAL DELIVERED PRICE OF VEHICLE:</b>	<b>\$ 360,410.00</b>
<b>DELIVERY / TERMS &amp; CONDITIONS:</b>	
Delivery lead-time shall be within 120-150 calendar days after receipt of custom ordered chassis, approved final work order and drawings and a signed sales contract between Specialty Vehicles, Inc. and the Scituate Fire Department; whichever occurs later.	
Specialty Vehicles, Inc. reserves the right to withdraw this proposal if not accepted within 60 days.	
Terms: Net cash due upon delivery and acceptance.	
No Federal, State or Local Taxes are included.	

Thank you for the opportunity to submit our proposal. If you have any questions, please feel free to contact me at (888) 699-0616.

Respectfully Submitted,

*Mark C. Hooper*

Mark C. Hooper  
President







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/20/19

Date of Last Edit: 9/25/19

Project Number:	2021-155-01		
Project Title:	Simplivity Data Infrastructure		
Category:	Server Infrastructure		
Department: Information Technology	Contact:	Michael Minchello	

**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 - Final			

**Description:**

All of the Town's servers, and data (including all Assessor info, Munis, Police & Fire systems, phone systems, and much more) reside on our infrastructure made by Dell and contain Simplivity Technology (know as OmniCube CN2400's). The Town purchased these systems approximately 4 years ago (2015-2016). Hewlett Packard Enterprise (HPE) has since purchased Simplivity and has announced that as of September 30, 2021 they will no longer be supporting our hardware should it break or need repair or parts. They also announced that as of September 30, 2019 they will no longer be supporting our software that run these systems, should the software malfunction, nor will they be providing software updates should we find any bugs or security flaws. As a result, we will need to replace this infrastructure toward the end of FY21 so the critical server infrastructure that supports the day to day operation of the Town and emergency services are covered by a warranty that allows us to have repairs made, parts replaced, and problems resolved in the event of a hardware or software failures.

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

This project insures the continued operations of the Town without jeopardizing our ability to serve the residents. This project literally impacts all facets of the Town's technology, from the every computer that Town employees use, applications each department uses, phones, data, revenue, expense, Police applications, Fire applications, etc. If this project is not funded and a component within one of our systems malfunctions, it is possible that we would not be able to operate any of our network applications, phones, police, and fire applications. This could be the case for days or weeks while we try to find parts, if its even possible to do so. While unlikely, it could also mean that we never get our servers up an running again if something breaks.

This not only impacts the operation of the Town, but Police and Fire life safety systems, including the phone system used to call police and fire (1212 and 5515, excluding 911).

**Discuss Operating Budget Impact:**

The Technology operating budget will decrease by over \$23,000 every year for 3 years, as a 3 year support agreement will be included with the initial purchase.

Note: The contingency is high because technology changes so rapidly and this purchase would be toward the end of FY21. Also, the pricing expires on 10/31/19.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025	<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	\$158,350	\$158,350					<input type="checkbox"/> Revolving Fund	
Contingency	\$39,588	\$39,588					<input type="checkbox"/> CPA	
Other	\$8,000	\$8,000					<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$205,938</b>	<b>\$205,938</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>\$205,938</b>	<b>\$205,938</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	\$0				
Post-Project Annual						
Post-Project One-time	\$0					

**TFA International  
Purchase Agreement for  
HPE/SimpliVity Support Renewal  
prepared for Town of Scituate  
May 24 2019**

➤ **3 X HPE SimpliVity DL380 Gen 10 SimpliVity:**

- Gen 10 HPE DL380 with 24 Core
- 2.3TB Total Memory, 1.5TB Production / 768GB DR
- 35TB effective SSD (flash) Production / 17TB DR
- All Software included (De-dup, File recovery, Backup and DR)
- 3 years 24/7 hardware and software support

**Purchase Price: \$158,350\***

**\*note: Includes the trade-in of 3 x SimpliVity OmniCubes**

***Professional Services for installation, implementation, migration estimated at 3-5 days @ \$1,600/day***

**Terms and Conditions:**

- This agreement is governed by TFA International's Customer Terms and Conditions below and HPE Corporation's Agreement, as well as their Product Warranty, Maintenance and Support Services Policies and Procedures.
- The prices are stated in USD and do not include taxes and shipping valid at the time of payment.
- Payment terms are net 30 days from executed purchase agreement.
- Pricing is valid through October 31, 2019.

The undersigned hereby accepts and agrees to be bound by the above Terms and Conditions and upon execution by the Town of Scituate Massachusetts, this document shall become a binding non-cancelable Purchase Order:

**Town of Scituate, Massachusetts:**

**TFA International, LLC:**

Date \_\_\_\_\_

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

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

By \_\_\_\_\_

By: \_\_\_\_\_

## Terms and Conditions

### 1. Important Information Concerning These Terms and Conditions

These Terms and Conditions constitute a binding contract between Customer and Technology Financial Advisors, LLC [hereinafter referred to as Reseller]. These Terms and Conditions are referred to herein as either "Terms and Conditions" or this "Agreement." Customer accepts these Terms and Conditions by one or more of the following: making a purchase from the Reseller or placing an order with Reseller or shopping on Reseller's Website [the Site] or otherwise requesting products [the "Products"] or engaging Reseller to perform or procure any Services (as defined herein). These Terms and Conditions are subject to change without prior notice to Customer, except that the Terms and Conditions posted on the Site at the time Customer places an order or signs an Order for Products or a Statement of Work, will apply to and govern the order in question, unless otherwise agreed in writing by the Customer and the Reseller.

The Customer consents to receiving electronic invoices and records, which may be provided via a Web browser or e-mail application connected to the Internet; individual consumers may withdraw consent to receiving electronic invoices and records or have an invoice and record provided in non-electronic form by contacting Reseller and making such request. Electronic signatures (or copies of signatures sent via facsimile or electronic means) shall be the equivalent of written and signed documents.

Customer may issue a purchase order only for administrative purposes. Additional or different terms and conditions contained in any such purchase order will not apply and will be null and void. No course of prior dealings between the Parties and no usage of trade will be relevant to determine the meaning of these Terms and Conditions or any invoice, purchase order, or document in electronic or hardcopy form that is executed and delivered by each of the Parties for Products and/or the performance of Services other than Third Party Products and/or Services [each, a Statement of Work]. This Agreement contains the entire understanding of the Customer and Reseller [each referred to herein as a Party and both referred to herein as Parties] with respect to the matters contained herein and supersedes and replaces in its entirety any and all prior communications and contemporaneous agreements and understandings, whether oral, written, electronic or implied, if any, between the Parties with respect to the subject matter hereof. Notwithstanding anything to the contrary herein, the Reseller shall be a third party beneficiary of the agreement between the Customer and any third party supplier of the Products and/or Services.

### 2. Governing Law

THESE TERMS AND CONDITIONS, ANY ORDER FOR PRODUCTS OR STATEMENTS OF WORK, ANY SALE OF PRODUCTS HEREUNDER OR SERVICES HEREUNDER SHALL BE GOVERNED BY THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, WITHOUT REGARD TO CONFLICTS OF LAWS RULES. ANY ARBITRATION, ENFORCEMENT OF AN ARBITRATION OR LITIGATION WILL BE BROUGHT EXCLUSIVELY IN SUFFOLK COUNTY, MASSACHUSETTS, AND CUSTOMER CONSENTS TO THE JURISDICTION OF THE FEDERAL AND STATE COURTS LOCATED THEREIN, SUBMITS TO THE JURISDICTION THEREOF AND WAIVES THE RIGHT TO CHANGE VENUE. CUSTOMER FURTHER CONSENTS TO THE EXERCISE OF PERSONAL JURISDICTION BY ANY SUCH COURT WITH RESPECT TO ANY SUCH PROCEEDING.

Neither Party may institute any action in any form arising out of these Terms and Conditions more than one (1) year after the cause of action has arisen, except in the case of nonpayment. The rights and remedies provided Reseller under these Terms and Conditions are in addition to, cumulative, and do not prejudice or limit any other right or remedy available at law or in equity.

### 3. Risk of Loss Transfer

If Customer selects a carrier other than a carrier that regularly ships for Reseller or provides Reseller with Customer's carrier account number, title to Products and risk of loss or damage during shipment pass from Reseller to Customer upon delivery to such carrier (F.O.B. Origin, freight collect). For all other shipments, title to Products and risk of loss or damage during shipment pass from Reseller to Customer upon delivery to the destination specified (F.O.B. Destination, freight prepaid and added).

Notwithstanding anything to the contrary herein, title to software will remain with the applicable licensor(s), and Customer's rights therein are contained in the license agreement between such licensor(s) and Customer, i.e., the End-User License Agreement and/or the End-Use Term License Agreement. A purchase money security interest is retained by Seller in the Products to secure payment in full. If applicable, Customer will authorize Reseller to file a financing statement reflecting such security interest, and, if requested, Customer will record such purchase money security interest on its books.

### 4. Products and Services

Customers may order Products [collectively, Products] and/or services [collectively, Services] from or through Reseller from time to time. Products and Services are sold by Reseller as a reseller, distributor or sales agent [Third Party Products and/or Services].

In the case of Third Party Products and/or Services, the third party shall be the party responsible for providing the Products and/or Services to the Customer and Customer will look solely to the third party for any loss, claims or damages arising from or related to the provision of such Third Party Products and/or Services. Customer hereby releases and holds harmless Reseller and the entities that control, are controlled by, or are under common control with Reseller ("Affiliates") and their officers, managers, directors and employees, from any and all claims arising from or relating to the purchase or provision of any such Third Party Products and/or Services. Any amounts, including, but not limited to, taxes, associated with Third Party Products and/or Services which may be collected by Reseller will be collected solely in the capacity as an independent sales agent.

Where Products are ordered in an Order for Products and/or Services are ordered in a Statement of Work, each Order for Products and Statement of Work hereby incorporates these Terms and Conditions and constitutes a separate agreement with respect to the Products provided and/or Services performed. Reseller may execute an Order for Products and/or Statement of Work. In the event of an addition to or a conflict between any term or condition of the Order of Products and/or Statement of Work and these Terms and Conditions, the terms and conditions of this Agreement will control, except in the event the applicable Order for Products and/or Statement of Work is expressly amended by specific reference to this Agreement. Each such amendment will be applicable only with respect to such Order for Products and/or Statement of Work and not to future Orders for Products or Statements of Work. Changes to the Order for Products and/or the scope of the Services described in a Statement of Work will be made only in a writing executed by both Parties or their authorized representatives. Reseller shall have no obligation to commence work in relation to any such change, unless and until the change is agreed upon in such writing executed by both Parties. All such changes to the Products and/or scope of the Services will be governed by these Terms and Conditions and the applicable Order for Products and/or Statement of Work. Each Order for Products and Statement of Work may be signed in separate counterparts each of which shall be deemed an original and all of which together will be deemed to be one original.

#### **5. Customer Cooperation**

In addition to any specific Customer duties set forth in any applicable Order for Products or Statement of Work, Customer agrees to cooperate with Reseller in connection with procurement of the Products and/or performance of the Services by providing (i) timely responses to Reseller's inquiries and requests for approvals and authorizations, (ii) all Required Consents necessary for Reseller to provide the Services; and (iii) access to any information or materials reasonably requested by Reseller which are necessary or useful as determined by Reseller in connection with providing the Services, including, but not limited to, physical and computer access to Customer's computer systems. "Required Consents" shall have the following meaning for purposes of this Agreement: consents or approvals required to give Reseller, its Affiliates, and its and their subcontractors the right or license to access, use and modify all data and third party products. Customer acknowledges and agrees that the Products and/or Services are dependent upon the completeness and accuracy of information provided by Customer and the knowledge and cooperation of the agents, employees or subcontractors ("Customer's Representatives") engaged or appointed by Customer and who Customer selects to work with Reseller concerning the Products and/or Services. Reseller shall follow all reasonable Customer security rules and procedures, as communicated in writing by Customer to Reseller from time to time.

#### **6. Access**

Reseller may provide the Products and/or perform the Services at Customer's place of business, at Reseller's own facilities or such other locations as Reseller and Customer agree are appropriate. Unless otherwise jointly agreed by the Parties, when the Services are performed at Customer's premises, Reseller will attempt to perform such Services within Customer's normal business hours. Customer will also provide Reseller access to Customer's staff and any other Customer resources that Reseller determines are useful or necessary for Reseller to provide the Services and in the event the Services are provided at another location designated by Customer, the staff and resources at such location.

#### **7. Insurance**

When the Services are provided on Customer's premises or at another location designated by Customer, Customer agrees to maintain adequate insurance coverage to protect Reseller and Customer's premises and to indemnify and hold Reseller and its Affiliates, and its and their officers, managers, directors, agents and employees harmless from any loss, cost, damage or expense (including, but not limited to, attorneys' fees and expenses) arising out of any product liability, death, personal injury or property damage or destruction occurring at such location in connection with the Products and/or performance of the Services, other than solely as a result of Reseller's gross negligence or willful misconduct.

#### **8. Payment**

Orders are not binding upon Reseller until accepted by Reseller. Customer agrees to pay the total purchase price for the Products plus taxes and shipping (to the extent shipping is not prepaid by Customer), including shipping charges that are billed to Reseller as a result of using Customer's carrier account number. Terms of payment are within Reseller's sole discretion. In connection with Products pursuant to an Order for Products and/or Services being performed pursuant to a Statement of Work, Customer shall pay for the Services in the amounts and in accordance with any payment schedule set forth in the applicable Order for Products and/or Statement of Work. If no payment schedule is provided, Customer will pay for the Products and/or Services as invoiced by Reseller. Invoices are due and payable within the time period specified on the invoice, measured and calculated commencing on the date of invoice, subject to continuing credit approval by Reseller. Reseller, or any of its Affiliates on behalf of Reseller may issue an invoice to Customer. Reseller may invoice Customer separately for partial shipments, and Reseller may invoice Customer for all of the Products described in an Order for Products and/or Services described in a Statement of Work or any portion thereof. Customer agrees to pay interest on all past-due sums at the lower of one and

one-half percent (1.5%) per month or the highest rate allowed by law. Customer will pay for, and will indemnify and hold Reseller and its Affiliates harmless from, any applicable sales, use, transaction, excise or similar taxes and any federal, state or local fees or charges, imposed on, in respect of or otherwise associated with any Order for Products and/or Statement of Work, the Products or the Services. Customer must claim any exemption from such taxes, fees or charges at the time of purchase and provide Reseller with the necessary supporting documentation. In the event of a payment default by Customer, Customer shall be responsible for payment of all of Reseller's costs of collection, including, but not limited to, court costs, filing fees and attorneys' fees. In addition, if payments are not received as described above, Reseller reserves the right to withhold Products and/or suspend Services until payment is received.

Except as otherwise specified on an applicable Order for Products or Statement of Work, Customer shall reimburse Reseller for all reasonable out-of-pocket expenses incurred by Reseller in connection with the procurement of the Products and/or performance of the Services, including, but not limited to, travel and living expenses.

#### 9. Export Sales

If this transaction involves an export of items by Reseller (including, but not limited to, commodities, software or technology) subject to the Export Administration Regulations, such items were exported from the United States by Reseller in accordance with the Export Administration Regulations. Customer agrees that it will not divert, use, export or re-export such items contrary to United States law. Customer expressly acknowledges and agrees that it will not export, re-export, or provide such items to any entity or person within any country that is subject to United States economic sanctions imposing comprehensive embargoes without obtaining prior authorization from the United States Government. The list of such countries subject to United States economic sanctions or embargoes may change from time to time but currently includes Cuba, Iran, Sudan, and Syria. Customer also expressly acknowledges and agrees that it will not export, re-export, or provide such items to entities and persons that are ineligible under United States law to receive such items, including but not limited to, any person or entity on the United States Treasury Department's list of Specially Designated Nationals or on the United States Commerce Department's Denied Persons List, Entity List, or Unverified List. In addition, manufacturers' warranties for exported Products may vary or may be null and void for Products exported outside the United States.

#### 10. Warranties: Products and Services

Products. Customer understands that Reseller is not the manufacturer of the Products purchased by Customer hereunder and the only warranties offered are those of the manufacturer, not Reseller or its Affiliates. In purchasing the Products, Customer is relying on the manufacturer's specifications only and is not relying on any statements, specifications, photographs or other illustrations representing the Products that may be provided by Reseller or its Affiliates.

TO THE EXTENT ALLOWED BY LAW, RESELLER AND ITS AFFILIATES HEREBY EXPRESSLY DISCLAIM ALL WARRANTIES EITHER EXPRESS OR IMPLIED, RELATED TO PRODUCTS, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF TITLE, ACCURACY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WARRANTY OF NONINFRINGEMENT, OR ANY WARRANTY RELATING TO THIRD PARTY PRODUCTS AND/OR SERVICES. THE DISCLAIMER CONTAINED IN THIS PARAGRAPH DOES NOT AFFECT THE TERMS OF ANY MANUFACTURER'S WARRANTY.

Customer expressly waives any claim that it may have against Reseller or its Affiliates based on any product liability or infringement or alleged infringement of any patent, copyright, trade secret or other intellectual property rights (each a "Claim") with respect to any Product and also waives any right to indemnification from Reseller or its Affiliates against any such Claim made against Customer by a third party. Customer acknowledges that no employee of Reseller or its Affiliates is authorized to make any representation or warranty on behalf of Reseller or any of its Affiliates that is not a part of this Agreement.

Services. Reseller warrants that the Services will be performed in a good and workmanlike manner. Customer's sole and exclusive remedy and Reseller's entire liability with respect to this warranty will be, at the sole option of Reseller, to either (a) use its reasonable commercial efforts to re-perform or cause to be re-performed any Services not in substantial compliance with this warranty; or (b) refund amounts paid to Reseller by Customer related to the portion of the Services not in substantial compliance; provided, in each case, Customer notifies Reseller in writing within five (5) business days after performance of the applicable Services.

EXCEPT AS SET FORTH HEREIN OR IN ANY STATEMENT OF WORK THAT EXPRESSLY AMENDS RESELLER'S WARRANTY, AND SUBJECT TO APPLICABLE LAW, RESELLER MAKES NO OTHER, AND EXPRESSLY DISCLAIMS ALL OTHER, REPRESENTATIONS, WARRANTIES, CONDITIONS OR COVENANTS, EITHER EXPRESS OR IMPLIED (INCLUDING WITHOUT LIMITATION, ANY EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, DURABILITY, TITLE, ACCURACY OR NON-INFRINGEMENT) ARISING OUT OF OR RELATED TO THE PERFORMANCE OR NON-PERFORMANCE OF THE SERVICES, INCLUDING BUT NOT LIMITED TO ANY WARRANTY RELATING TO THIRD PARTY PRODUCTS AND/OR SERVICES, ANY WARRANTY WITH RESPECT TO THE PERFORMANCE OF ANY HARDWARE OR SOFTWARE USED IN PERFORMING SERVICES AND ANY WARRANTY CONCERNING THE RESULTS TO BE OBTAINED FROM THE SERVICES. THIS DISCLAIMER AND EXCLUSION SHALL APPLY EVEN IF THE EXPRESS WARRANTY AND LIMITED REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE. CUSTOMER ACKNOWLEDGES THAT NO REPRESENTATIVE OF RESELLER OR OF ITS AFFILIATES IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY ON BEHALF OF RESELLER OR ANY OF ITS AFFILIATES THAT IS NOT A PART OF THIS AGREEMENT OR IN A STATEMENT OF WORK EXPRESSLY AMENDING RESELLER'S WARRANTY.

Customer shall be solely responsible for daily back-up and other protection of its data and software against loss, damage or corruption. Customer shall be solely responsible for reconstructing data (including, but not limited to, data located on disk files and memories) and software that may be lost, damaged or corrupted during the performance of Services.

RESELLER, ITS AFFILIATES, AND ITS AND THEIR SUPPLIERS, SUBCONTRACTORS AND AGENTS ARE HEREBY RELEASED AND SHALL CONTINUE TO BE RELEASED FROM ALL LIABILITY IN CONNECTION WITH THE LOSS, DAMAGE OR CORRUPTION OF DATA AND SOFTWARE, AND CUSTOMER ASSUMES ALL RISK OF LOSS, DAMAGE OR CORRUPTION OF DATA AND SOFTWARE IN ANY WAY RELATED TO OR RESULTING FROM THE SERVICES.

Reseller will not be responsible for and no liability shall result to Reseller or any of its Affiliates for any delays in delivery or in performance which result from any circumstances beyond Reseller's reasonable control, including, but not limited to, carrier delays, Product unavailability, delays due to acts of God, severe weather conditions, failure of power, fire, labor problems, acts of war, terrorism, embargo or acts or laws of any government or agency. Any shipping dates or completion dates provided by Reseller or any purported deadlines contained in an Order for Products or Statement of Work or any other document are estimates only.

#### 11. Pricing Information; Availability Disclaimer

Reseller reserves the right to make adjustments to pricing and Products and Service offerings for reasons including, but not limited to, manufacturer or supplier price changes, Product discontinuation, Product unavailability, changing market conditions and advertisement errors. All orders are subject to Product availability and the availability of Reseller's Representatives to perform the Services. Therefore, Reseller cannot guarantee that it will be able to fulfill Customer's Orders for Products and/or Statement of Work. Estimates provided by Reseller, if any, for Services being performed on a time and materials basis are provided for planning purposes only.

#### 12. Limitation of Liability

UNDER NO CIRCUMSTANCES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, WILL RESELLER, ITS AFFILIATES OR ITS OR THEIR SUPPLIERS, SUBCONTRACTORS OR AGENTS BE LIABLE FOR: (A) ANY INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS, REVENUES OR SAVINGS, EVEN IF RESELLER HAS BEEN ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES OR IF SUCH DAMAGES ARE OTHERWISE FORESEEABLE, IN EACH CASE, WHETHER A CLAIM FOR ANY SUCH LIABILITY IS PREMISED UPON BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY; (B) ANY CLAIMS, DEMANDS OR ACTIONS AGAINST CUSTOMER BY ANY THIRD PARTY; (C) ANY LOSS OR CLAIM ARISING OUT OF OR IN CONNECTION WITH CUSTOMER'S IMPLEMENTATION OF ANY CONCLUSIONS OR RECOMMENDATIONS BY RESELLER OR ITS AFFILIATES BASED ON, RESULTING FROM, ARISING OUT OF OR OTHERWISE RELATED TO THE PRODUCTS OR SERVICES; OR (D) ANY UNAVAILABILITY OF THE PRODUCT FOR USE OR ANY LOST, DAMAGED OR CORRUPTED DATA OR SOFTWARE. IN THE EVENT OF ANY LIABILITY INCURRED BY RESELLER OR ANY OF ITS AFFILIATES, THE ENTIRE LIABILITY OF RESELLER AND ITS AFFILIATES FOR DAMAGES FROM ANY CAUSE WHATSOEVER WILL NOT EXCEED THE LESSER OF: (A) THE DOLLAR AMOUNT PAID BY CUSTOMER FOR THE PRODUCT(S) GIVING RISE TO THE CLAIM OR THE SPECIFIC SERVICES GIVING RISE TO THE CLAIM; OR (B) \$10,000.00.

#### 13. Limited License

Customer's sole rights to the work product, materials and other deliverables to be provided or created (individually or jointly) in connection with the Services, including but not limited to, all inventions, discoveries, methods, processes, formulae, ideas, concepts, techniques, know-how, data, designs, models, prototypes, works of authorship, computer programs, proprietary tools, methods of analysis and other information (whether or not capable of protection by patent, copyright, trade secret, confidentiality, or other proprietary rights) or discovered in the course of performance of this Agreement that are embodied in such work or materials ("Work Product") will be, upon payment in full, a non-transferable, non-exclusive, royalty-free license to use such Work Products solely for Customer's internal use. Customer will have no ownership or other property rights thereto and Customer shall have no right to use any such Work Product for any other purpose whatsoever. Customer acknowledges that Resellers may incorporate intellectual property created by third parties into the Work Product ("Third Party Intellectual Property"). Customer agrees that its right to use the Work Product containing Third Party Intellectual Property may be subject to the rights of third parties and limited by agreements with such third parties.

#### 14. Confidential Information

Each Party anticipates that it may be necessary to provide access to information of a confidential nature of such Party, the Affiliates or a third party (hereinafter referred to as "Confidential Information") to the other Party in the performance of this Agreement and any Statement of Work. "Confidential Information" means any information or data in oral, electronic or written form which the receiving Party knows or has reason to know is proprietary or confidential and which is disclosed by a Party in connection with this Agreement or which the receiving Party may have access to in connection with this Agreement, including but not limited to the terms and conditions of each Order for Products and Statement of Work. Confidential Information will not include information which: (a) becomes known to the public through no act of the receiving Party; (b) was known to the receiving Party, or becomes known to the receiving Party from a third party having the right to disclose it and having no obligation of confidentiality to the disclosing Party with respect to the applicable information; or (c) is independently developed by agents, employees or subcontractors of the receiving Party who have not had access to such information. To the extent practicable, Confidential Information should be clearly identified or labeled as such by the disclosing Party at the time of disclosure or as promptly thereafter as possible, however, failure to so identify or label such Confidential Information will not be evidence that such information is not confidential or protectable.

Each Party agrees to hold the other Party's Confidential Information confidential for a period of three (3) years following the date of disclosure and to do

so in a manner at least as protective as it holds its own Confidential Information of like kind but to use no less than a reasonable degree of care. Disclosures of the other Party's Confidential Information will be restricted (i) to those individuals who are participating in the performance of this Agreement or the applicable Order for Products and/or Statement of Work and need to know such Confidential Information for purposes of providing or receiving the Products or Services or otherwise in connection with this Agreement or the applicable Statement of Work, or (ii) to its business, legal and financial advisors, each on a confidential basis. Each Party agrees not to use any Confidential Information of the other Party for any purpose other than the business purposes contemplated by this Agreement and the applicable Statement of Work. Upon the written request of a Party, the other Party will either return or certify the destruction of the Confidential Information of the other Party.

If a receiving Party is required by law, rule or regulation, or requested in any judicial or administrative proceeding or by any governmental or regulatory authority, to disclose Confidential Information of the other Party, the receiving Party will give the disclosing Party prompt notice of such request so that the disclosing Party may seek an appropriate protective order or similar protective measure and will use reasonable efforts to obtain confidential treatment of the Confidential Information so disclosed.

#### 15. Notice of Final Sale

Reseller allows customer returns based on the policies of the original product manufacturer. Software is not returnable if the packaging has been opened. If software was distributed electronically, it is not returnable if the licenses were downloaded. Customers should contact Reseller Customer Relations at 617-217-2009 during normal business hours 9 am -5 pm EST Monday – Friday for additional information. Customers must notify Reseller Customer Relations of any damaged Products within fifteen (15) days of receipt.

#### 16. Termination

Either Party may terminate performance of a Service or a Statement of Work for cause if the other Party fails to cure a material default in the time period specified herein. Any material default must be specifically identified in a written notice of termination. After written notice, the notified Party shall, subject to the provision of warranties herein, have thirty (30) days to remedy its performance except that it will only have ten (10) days to remedy any monetary default. Failure to remedy any material default within the applicable time period provided for herein will give cause for immediate termination, unless such default is incapable of being cured within the time period in which case the defaulting Party will not be in breach (except for Customer's payment obligations) if it used its reasonable efforts to cure the default. In the event of any termination of the Services or a Statement of Work, Customer will pay Reseller for all Services performed and expenses incurred up to and including the date of termination plus any termination fee if one is set forth in the applicable Statement of Work. In such event Customer will also pay Reseller for any out-of-pocket demobilization or other direct costs resulting from termination. Upon termination, all rights and obligations of the Parties under this Agreement will automatically terminate except for any right of action occurring prior to termination, payment obligations and obligations that expressly or by implication are intended to survive termination (including, but not limited to, limitation of liability, indemnity, confidentiality, or licensing of Work Product and this survival provision).

#### 17. Provisions Related to Custom Imaging; Indemnity

If in connection with the provision of Products or Services, Customer desires to have Reseller provide installation of custom software images, Customer hereby indemnifies and agrees to hold harmless the Reseller from and against any and all claims, damages, expenses and costs and/or any liability and/or damages (including reasonable attorney's fees and costs of litigation) of or by the Customer or any third party resulting from any acts or omissions of the Reseller and/or any person and/or entity acting on behalf of the Reseller, relating to such installation of custom software images.

#### 18. Arbitration

Any claim, dispute, or controversy (whether in contract, tort or otherwise, whether preexisting, present or future, and including, but not limited to, statutory, common law, intentional tort and equitable claims) arising from or relating to the Products, the Services, the interpretation or application of these Terms and Conditions or any Order for Products or Statement of Work or the breach, termination or validity thereof, the relationships which result from these Terms and Conditions or any Order for Products or Statement of Work (including, to the full extent permitted by applicable law, relationships with third parties who are not signatories hereto), or Reseller's or any of its Affiliates' advertising or marketing (collectively, a "Claim") WILL BE RESOLVED, UPON THE ELECTION OF ANY OF RESELLER, CUSTOMER OR THE THIRD PARTIES INVOLVED, EXCLUSIVELY AND FINALLY BY BINDING ARBITRATION. If arbitration is chosen, it will be conducted pursuant to the Rules of the American Arbitration Association. If arbitration is chosen by any Party with respect to a Claim, neither Reseller nor Customer will have the right to litigate that Claim in court or to have a jury trial on that Claim or to engage in pre-arbitration discovery, except as provided for in the applicable arbitration rules or by agreement of the parties involved. **Further, Customer will not have the right to participate as a representative or member of any class of claimants pertaining to any Claim.** Notwithstanding any choice of law provision included in these Terms and Conditions, this arbitration agreement is subject to the Federal Arbitration Act (9 U.S.C. §§ 1-16). The arbitration will take place exclusively in Boston, Massachusetts. Any court having jurisdiction may enter judgment on the award rendered by the arbitrator(s). Each Party involved will bear its own cost of any legal representation, discovery or research required to complete arbitration. The existence or results of any arbitration will be treated as confidential.

**Notwithstanding anything to the contrary contained herein, all matters pertaining to the collection of amounts due to Reseller arising out of the Products or Services will be exclusively litigated in court rather than through arbitration.**

## 19. Miscellaneous

Assignment. Reseller may assign or subcontract all or any portion of its rights or obligations with respect to the sale of Products or the performance of Services or assign the right to receive payments, without Customer's consent. Customer may not assign these Terms and Conditions, or any of its rights or obligations herein without the prior written consent of Reseller. Subject to the restrictions in assignment contained herein, these Terms and Conditions will be binding on and inure to the benefit of the parties hereto and their successors and assigns.

Relationship of the Parties. The relationship between Reseller and Customer is that of independent contractors and not that of employer/employee, partnership or joint venture.

Severability. If any term or condition of this Agreement, Order for Products or Statement of Work is found by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, the same shall not affect the other terms or conditions hereof or thereof or the whole of this Agreement or the applicable Order for Products or Statement of Work.

Notices. Notices provided under this Agreement will be given in writing and deemed received upon the earlier of actual receipt or three (3) days after mailing if mailed postage prepaid by regular mail or airmail or one (1) day after such notice is sent by courier or facsimile transmission.

Waiver. No provision of this Agreement or any Order for Products or Statement of Work will be deemed waived, amended or modified by either Party unless such waiver, amendment or modification is in writing and signed by both Parties. Any delay or failure by either Party to exercise any right or remedy will not constitute a waiver of that Party to thereafter enforce such rights.

Definitions. "Party" shall mean either the Customer or the Reseller; "Parties" shall mean both Customer and the Reseller.





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/20/19

Date of Last Edit: 9/25/19

Project Number:	2021-155-02
Project Title:	Fiber
Category:	
Department: Information Technology	Contact: Mike Minchello, Director of Information Technology

Department Priority:	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input checked="" type="checkbox"/>	Enhancement

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

**Description:**

This request is to connect all town buildings by fiber, leveraging the schools existing fiber ring.

The town's servers and core infrastructure were moved to The Public Safety Complex a couple of years ago. All town buildings currently connect to Town Hall via a VPN (Virtual Private Network) which uses the Internet to connect a build to the network. The data then goes over the wireless Microwave from Town Hall to the PSC. This is the only path between all town buildings and the town's server infrastructure, applications, data, email, phones, etc. . . This current configuration leaves us susceptible to multiple single points of failure, lack of a backup connection, significantly limited bandwidth, and weather events.

The expected useful life of the Fiber is greater than 30 years (25 year warranty on the fiber).

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

**Security:**

Because we lack enough bandwidth between buildings and across our network, all internet traffic goes in and out to and from the internet, from each building without any security monitoring of these ingress and egress points. Fiber would allow us to route all internet traffic from all buildings back through a primary and secondary location, and through redundant internet connections, where we would be able to install security monitoring technology known as Intrusion Detection System (IDS) & Intrusion Protection Systems (IPS).

**Redundancy:**

The current network configuration has multiple single points of failure and does not have any backup connections, making us susceptible to Comcast outages, weather events, power outages, and other events. Fiber gives us redundant paths of connectivity to for most of our buildings, and additional redundancy should we decide to keep Comcast as backup VPN connections.

**Disaster Recovery:**

We currently replicate all of our data from the PSC to Town Hall over our Microwave. The replication of data only occurs during the evening to limit the negative impact it would have during the day as it requires a lot of bandwidth. This means the time period we would be able to recover from in the event of a disaster would be limited to the evening before a disaster occurred. We are also unable to test our disaster recover plan as it requires us to resynchronize all of our data between sites and we do not have enough bandwidth to do this. With Fiber, we would be able to replicate from near real-time to 1 hour, allowing us to potentially recover from within the previous hour, and we would also be bale to test our disaster recovery strategy.

**Bandwidth:**

Because of the limited bandwidth between locations, 1) we are unable to properly install security cameras in town buildings and stream the video back to the Police dispatch because these cameras require more bandwidth than we have available, 2) our phone system has call quality problems over our VPNs, drops calls, prevents some phones from ringing, and is unreliable in all locations, and 3) overall application performance is slow.

**Performance:**

The limited bandwidth also means that buildings connecting to Town Hall and The PSC experience slow performance and delays while they wait for application communication and data to move across the VPNs. Using the Water Department as an example, they have an internet connection with speeds of 25Mbps download and 5Mbps upload which their VPN travels over to reach Town Hall. At the other end of the VPN, Town Hall also has an internet speed of 25Mbps download and 5Mbps upload. The limiting factor is 5Mbps to move data back and forth over the network between these two locations. Unfortunately, the 5Mbps limit at Town Hall is significantly reduced since 9 other buildings are also using the same 5Mbps to send and receive data across the network. Additionally, Comcast has high latency on their network which means slower movement of data on top of everything else.

**Reliability:**

Comcast has not been reliable. Our Internet connections often stop working, taking a building off of our network until the connection has been restored.

Potential cost savings from this project could come from eliminating Comcast at most building if that is a direction we eventually decide to move in.

Not funding this project would prevent us from implementing security at our points of ingress and egress where the Internet meets our network. We would also continue to have network outages without any network redundancy, many buildings will continue to have problems with the phones, computer performance, and we will continue to have less then desirable disaster recovery ability.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Discuss Operating Budget Impact:**

The operating budget would increase by approximately \$4,000 annually in case we have any pole relocations, or have to repair the fiber in the event of a fallen tree or other natural disaster which can cause damage to the lines.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input checked="" type="checkbox"/>	Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/>	Debt
Construction	\$0							Enterprise Retained Earnings
Equipment/Furnishings	\$83,798	\$83,798					<input checked="" type="checkbox"/>	Capital Stabilization
Contingency	\$60,000	\$60,000					<input checked="" type="checkbox"/>	Free Cash
Other	\$214,306	\$214,306						Revolving Fund
								CPA
<b>TOTAL</b>	<b>\$358,104</b>	<b>\$358,104</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/>	Grant(s) or Other

								CPA Purpose(s) Check all that apply
Grant Amount Requested	\$0							<input type="checkbox"/>
CPA Amount Requested	\$0							<input type="checkbox"/>
<b>Net of CPA and Grants</b>	<b>\$358,104</b>	<b>\$358,104</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/>

Operating Budget Impact								
During Project	\$0							<input type="checkbox"/>
Post-Project Annual								<input type="checkbox"/>
Post-Project One-time	\$0							<input type="checkbox"/>



ITC-68  
Scope of Work  
Scituate Town FMAN Budget  
Fiber Optic Cable Services

## COMM-TRACT CORP

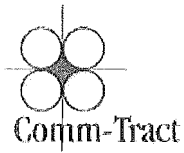
**Town of Scituate**

**Scope of Work**

**Fiber Optic Municipal Area Network**



**August 2019**



ITC-68  
Scope of Work  
Scituate Town FMAN Budget  
Fiber Optic Cable Services

August 29, 2019

Mike Minchello  
IT Director  
Town of Scituate  
600 Chief Justice Cushing Highway  
Scituate, MA 02066

Re: Fiber Optic Cable Network  
Town FMAN System Budget

Mike,

The objective of this budget scope of work is for the engineering, design and installation of a fiber optic cable solution to connect (10) town facilities to the Communication Tower Shelter facility utilizing the existing fiber optic cable system where applicable.

Our design assumes Scituate IT will implement a DWDM single fiber switch transceiver solution allowing for (1) diverse strand between the Communication Tower Shelter and each of the facilities. For the Recreation Department and the new COA facilities it is understood the current available Gates School fiber strands will be utilized with "Passive Patch" method at the High School to deliver fiber path to the Communication Tower Shelter.

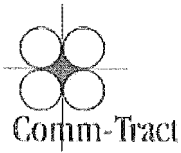
This design relies on the use of the existing fiber strands on the diverse backbone fiber optic cable ring.

Comm-Tract is a vendor on the **ITC 68 Massachusetts State Contract**, and this project can be governed by its terms and conditions.

Thank you for your consideration and we look forward to being of service.

Best Regards,

Rod Jenks



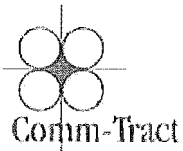
ITC-68  
 Scope of Work  
 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

Prepared by:	Comm-Tract Corp 235 Summer Road Building #4 Boxborough, MA 01719	Contact:	Rod Jenks
		Telephone:	781-890-5070 x6927
		Fax:	781-890-0105
		Email:	<a href="mailto:rjenks@comm-tract.com">rjenks@comm-tract.com</a>
Date:	August 29, 2019		

Project Name:	Scituate FMAN System
Project Type:	Fiber Optic Cable Services

<b>Bill To:</b>		<b>Ship To:</b>	
Company:	Town of Scituate	Company:	Town of Scituate
Address:	600 Chief Justice Cushing HWY Scituate, MA 02066	Address:	FMAN System Scituate, MA 02066
Contact Name:	Mike Minchello IT Director	Contact Name:	TBD
Phone:	781-545-8812	Phone:	
Fax:		Cell:	
Email:	<a href="mailto:mminchello@scituatema.gov">mminchello@scituatema.gov</a>	Email:	

Description of Work
<p>Comm-Tract Corp offers this scope of work for the design and installation of a Fiber Municipal Area Network (FMAN) to facilitate the interconnection of (10) town facilities as shown below in <b>table 1</b>.</p> <p>This design incorporates adding town facilities connect the (10) facilities with the agreed FOC Head End Hub location at the Communications Tower Shelter facility near the Town Hall.</p> <p>Each of the facilities will operate on (1) strand of fiber for each facility.</p>



ITC-68  
 Scope of Work  
 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

**Table 1**  
**Facilities for Project**

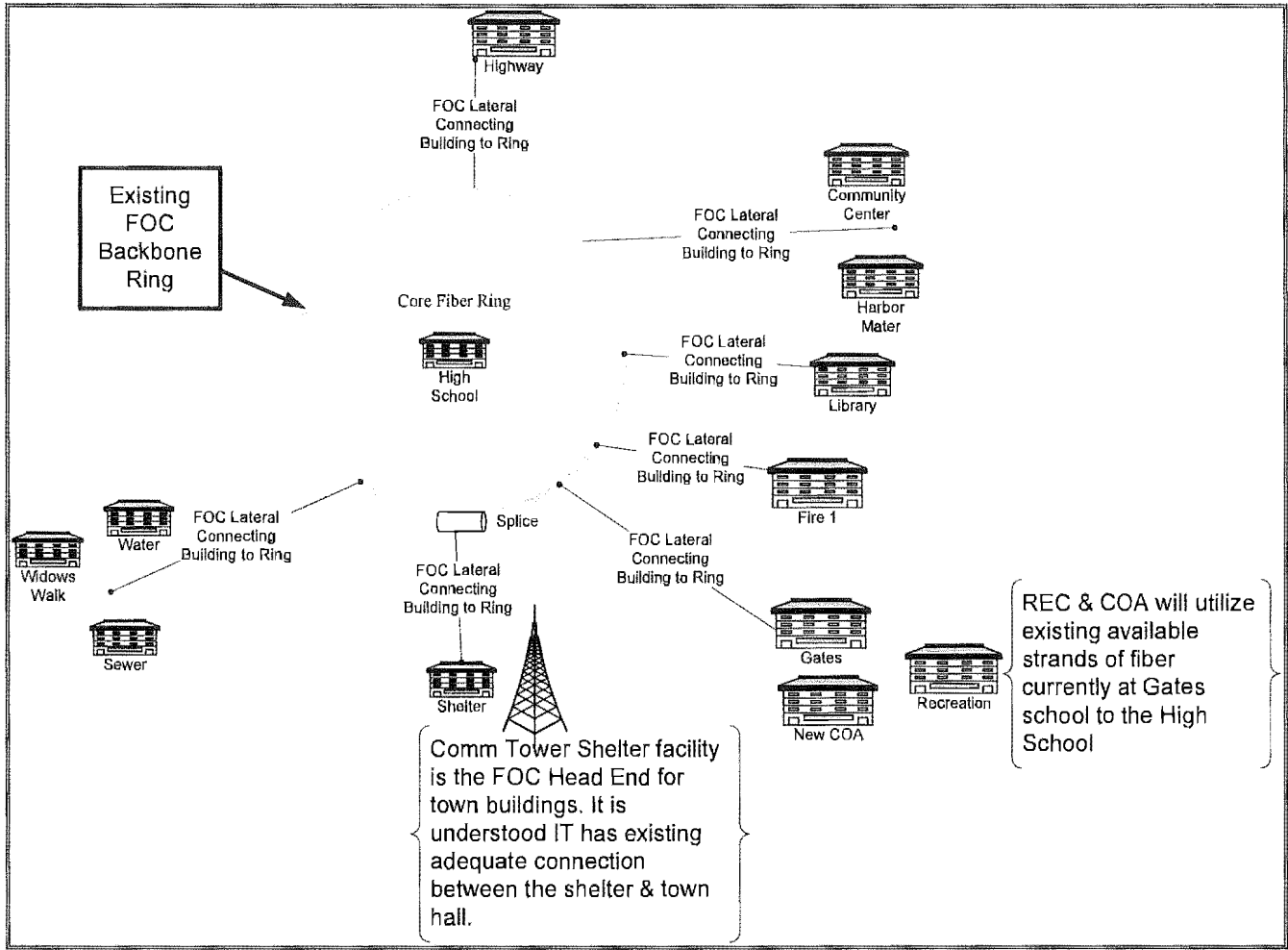
	Building	Address 1	Address 2	Comment
0	Communication Tower Shelter	600	Chief Justice Cushing Highway	FOC Head End. Additional FOC Installation is a Prerequisite Prior to any Locations Being Installed
1	Library	85	Branch Street	
2	Fire Station 1	149	First Parish Road	
3	Highway Devison	68	Captain Pierce Road	
4	Harbor Master	100	Cole Parkway	
5	Community Center	44	Jericho Road	Harbor Master Installation is a Prerequisite
6	Water Division	4	Old Oaken Bucket Road (at Rotary Junction Rte 123 & 3A)	
7	Sewer Division	161	Driftway	Water Division Installation is a Prerequisite
8	Widows Walk Golf Course	250	Driftway	Sewer Division Installation is a Prerequisite
9	Recreation Department	327	First Parish Road	This Location to Utilize Existing Gates School Fiber Strands. Excludes any work required to connect to Gated FOC System
10	New COA Facility	327	First Parish Road	This Location to Utilize Existing Gates School Fiber Strands. Excludes any work required to connect to Gated FOC System

Note(s):

- Prerequisite rules in the comment section apply unless strategic plan is modified.
- (1) Strand route diverse around FOC ring.
- 12-Strands currently exist in the Communications Tower Shelter with (6) strands routing each way on FOC backbone ring to the High School Head End.
- Includes all system splicing, termination and testing.
- Assumes adequate IT connection currently exists between Communication Tower Shelter and Town Hall.

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 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

**Fiber Optic Cable System  
 Line Diagram**



Note(s):

- This diagram is for reference only. Final engineering and design to be agreed upon.



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 Scope of Work  
 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

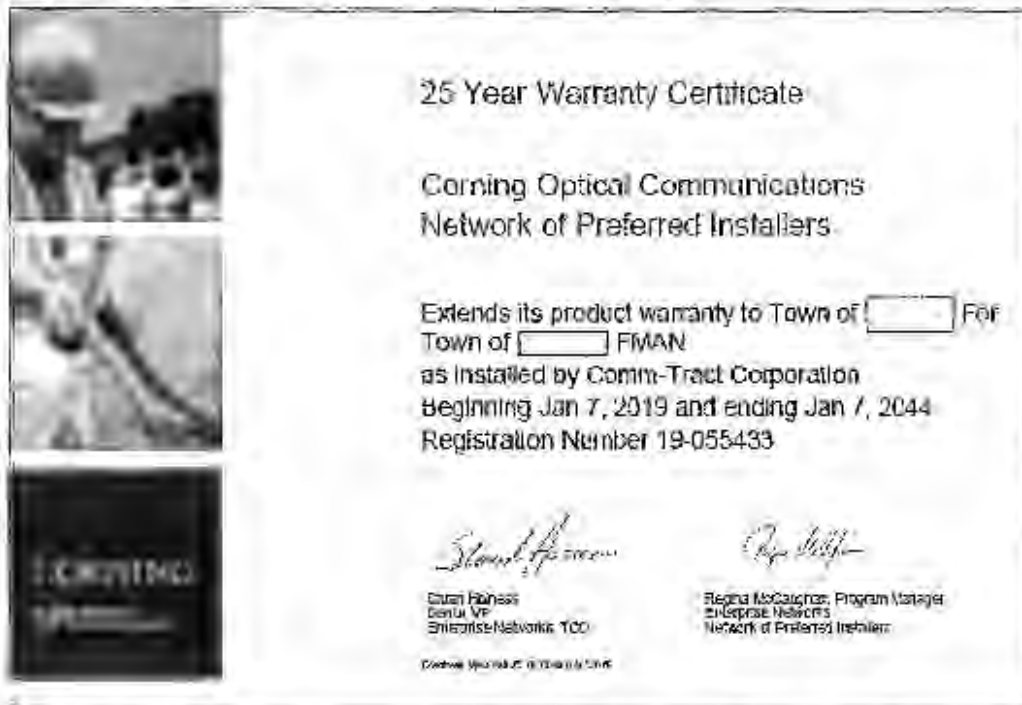
1. **Test and Label:**

- 1.1. Test all strands with OTDR
- 1.2. Label both ends accordingly.

2. **Project Documentation:**

- 2.1. OTDR test reports.
- 2.2. Route Map in standard GIS format.
- 2.3. Fiber Assignment Chart
- 2.4. Corning 25-Year Extended Warranty:

2.4.1. **Corning Extended Warranty Certificate Example**







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Scituate Town FMAN Budget  
Fiber Optic Cable Services

3. **Engineering Notes & Assumptions:**

- 3.1. Single Mode OS2 fiber optic cable suitable to application.
- 3.2. 1-Strand of fiber for each of the remote facilities.
- 3.3. Multiple Lateral FOC placement routes to connect to existing backbone ring.
- 3.4. Designed with SC/UPC termination solution.
- 3.5. Utilize the allocated "Municipal Space" for utility pole aerial attachment and/or underground facilities. It is understood that the Town of Scituate understands its rights respective to this utility pole space and conduits that will be utilized to facilitate this project.
- 3.6. Fiber distributions panels will be wall or equipment rack mounted. We assume that there is adequate space for the fiber optic termination housing on the client's existing equipment rack or available wall space.
- 3.7. All optical testing will conform to Industry Standards.
- 3.8. Comm-Tract will perform during normal business hours – Monday through Friday, 7:00 a.m. to 5:00 p.m., unless otherwise specified in the Description of Work.

4. **Project Exclusions:**

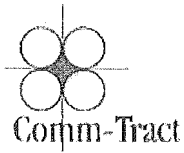
- 4.1. Costs associated with required police details.
  - 4.1.1. Estimated detail hours is **120**.
- 4.2. In Building Demarcation Extension Systems(s).
  - 4.2.1. Any work to connect the Recreation Department or the new COA to the existing Gates School fiber IT Room
- 4.3. Costs for underground construction or repair.
- 4.4. Costs for utility pole owner make ready costs.
- 4.5. Costs for taxes, permits and/or bonds.
- 4.6. Patch cords



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Scituate Town FMAN Budget  
Fiber Optic Cable Services

**Special Terms**

- This project is implemented under the terms and conditions of the **Massachusetts State OSD Contract ITC-68**
- Project Cost is valid for 60-days from the date of this document.
- The Project Price assumes the installation to be completed in one deployment. If any site is not ready for installation and requires a second deployment additional charges may apply.
- The Project Cost does not include licensing of pole or underground facilities as the system will solely used for town connectivity applications and it is understood that the client understands its rights regarding use of these pathways.
- Comm-Tract makes every effort to identify any issues that could affect the Scope of the project. However, once work commences, special conditions may arise that could affect the pricing. Should this occur, Comm-Tract, through its Project Manager, will identify the issues and resolve them with Customer.
- Project Price is based upon each location being free and clear of any obstructions that would prevent work from occurring.
- Comm-Tract will perform during normal business hours – Monday through Friday, 7:00 a.m. to 5:00 p.m., unless otherwise specified in the Description of Work.
- Customer hereby agrees to the terms and conditions set forth in the Scope of Work by signing below or issuing a Purchase order referencing this Scope of Work.



ITC-68  
 Scope of Work  
 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

**Financial Terms**

**Project Financial Summary**

Description	Cost
• Survey, Engineer & Design:	\$ Included
• Project Management:	\$ Included
• System Installation:	\$ Included
• Certification & Warranty:	\$ Included
• Documentation:	\$ Included
<b>Project Total:</b>	<b>\$ 185,206.00</b>

**Typical Project Billing Schedule**

Item	Billing Description	Calculation	Amount	Due
1	Material Inventory Transferred & Accepted by Scituate.	Project Cost x 30%	\$ 55,561.80	Upon receipt
2	65% of Labor & Material Contract Cost for Progress	Project Cost x 65%	\$120,383.90	Upon Receipt
3	5% Final Balance	Project Cost x 5%	\$ 9,260.30	Upon Receipt
<b>Total for Project:</b>			<b>\$185,206.00</b>	

<b>Customer Name:</b>	Town of Scituate Massachusetts
<b>Authorized Signature:</b>	
<b>Name:</b>	
<b>Date:</b>	
<b>Purchase Order #:</b>	



ITC-68  
 Scope of Work  
 Scituate Town FMAN Budget  
 Fiber Optic Cable Services

**Cost Schedule**

	Description	Cost	Comment
1	Communication Tower Shelter	\$ 4,500.00	Must be done prior to any facility being installed. Except for those utilizing Passive Patch Method through the High School to the shelter
2	Library	\$ 19,430.00	
3	Fire Station 1	\$ 3,480.00	
4	Highway Division	\$ 6,670.00	
5	Harbor Master	\$ 36,540.00	
6	Community Center	\$ 8,700.00	Harbor Master Installation is a Prerequisite
7	Water Division	\$ 58,326.00	
8	Sewer Division	\$ 44,080.00	Water Division Installation is a Prerequisite
9	Widows Walk Golf Course	\$ 3,480.00	Sewer Division Installation is a Prerequisite
10	Recreation Department	\$ -	This Location to Utilize Existing Gates School Fiber Strands. Excludes any work required to connect to Gated FOC System
11	New COA Facility	\$ -	This Location to Utilize Existing Gates School Fiber Strands. Excludes any work required to connect to Gated FOC System
		<b>\$ 185,206.00</b>	

Note(s):

- Item #1 must be implemented prior to any facilities be installed.
- Prerequisite rules in Comment column apply unless strategic plan is modified.
- Should the Town of Scituate elect to implement this project in multiple phases the cost may be subject to additional re-mobilization costs.



Prepared for:  
Town of Scituate

Prepared by:  
Alex McCormick






Simple. Dependable. Secure.

9300 Option

Quote # 012102  
Version 1





9300 Option

Description	Price	Qty	Ext. Price
Cisco Catalyst 9300 48-port PoE+, Network Essentials - 48 Ports - Manageable - 2 Layer Supported - Twisted Pair - Lifetime Limited Warranty 	\$5,497.49	9	\$49,477.41
Cisco Smart Net Total Care - Service - 8 x 5 Next Business Day - Exchange - Electronic and Physical Service 	\$652.57	9	\$5,873.13
Cisco 715W AC 80+ platinum Config 1 Secondary Power Supply 	\$876.61	9	\$7,889.49
Cisco C9300 DNA Essentials - Term License - 48 Port - 3 Year 	\$736.86	9	\$6,631.74
Cisco Catalyst 9300 4 x 1GE Network Module, Spare - For Data Networking - 4 1000Base-T Network - Twisted Pair Gigabit Ethernet - 1000Base-T - Plug-in Module 	\$353.33	9	\$3,179.97



**Subtotal:** \$73,051.74

10GB Optics for Comm Shelter to PSC


Description	Price	Qty	Ext. Price
AddOn Cisco SFP-10G-BXD-I Compatible TAA Compliant 10GBase-BX SFP+ Transceiver (SMF, 1330nmTx/1270nmRx, 10km, LC, DOM) - 100% compatible and guaranteed to work 	\$655.97	2	\$1,311.94
AddOn Cisco SFP-10G-BXU-I Compatible TAA Compliant 10GBase-BX SFP+ Transceiver (SMF, 1270nmTx/1330nmRx, 10km, LC, DOM) - 100% compatible and guaranteed to work 	\$655.97	2	\$1,311.94

**Subtotal:** \$2,623.88



### 1GB Optics for Comm Shelter to Remote Sites

Description	Price	Qty	Ext. Price
AddOn Cisco GLC-BX-D Compatible TAA Compliant 1000Base-BX SFP Transceiver (SMF, 1490nmTx/1310nmRx, 10km, LC, DDM) - 100% compatible and guaranteed to work 	\$248.14	9	\$2,233.26
AddOn Cisco GLC-BX-U Compatible TAA Compliant 1000Base-BX SFP Transceiver (SMF, 1310nmTx/1490nmRx, 10km, LC, DDM) - 100% compatible and guaranteed to work 	\$248.14	9	\$2,233.26
<b>Subtotal:</b>			<b>\$4,466.52</b>

### 10GB Modules for Comm Shelter & PSC

Description	Price	Qty	Ext. Price
Cisco 4 x 1GE/4 x 10GE Network Module Spare - 4 x Expansion Slots 	\$2,608.69	2	\$5,217.38
<b>Subtotal:</b>			<b>\$5,217.38</b>

### Stacking Equipment for Comm Shelter

Description	Price	Qty	Ext. Price
Cisco StackWise-480 50cm Stacking Cable Spare 	\$70.80	3	\$212.40
Cisco Standard Power Cord 	\$63.33	3	\$189.99
<b>Subtotal:</b>			<b>\$402.39</b>

### Cables


Description	Price	Qty	Ext. Price
2m (7ft) LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable 	\$30.00	22	\$660.00



Cables

Description	Price	Qty	Ext. Price
<b>Subtotal:</b>			\$660.00

Professional Services

Description	Price	Qty	Ext. Price
Unified Professional Services 	\$6,000.00	1	\$6,000.00
<b>Subtotal:</b>			\$6,000.00



## 9300 Option



Prepared by:  
**Unified Networking Solutions**  
Alex McCormick  
508.296.0410  
Fax 508-463-0546  
amccormick@unifiedltsupport.com

Prepared for:  
**Town of Scituate**  
600 Chief Justice Cushing Highway  
Scituate, MA 02066  
Michael Minchello  
(781) 545-8700  
mminchello@scituatema.gov

Quote Information:  
**Quote #: 012102**  
Version: 1  
Delivery Date: 09/24/2019  
Expiration Date: 10/22/2019

### Quote Summary

Description	Amount
9300 Option	\$73,051.74
10GB Optics for Comm Shelter to PSC	\$2,623.88
1GB Optics for Comm Shelter to Remote Sites	\$4,466.52
10GB Modules for Comm Shelter & PSC	\$5,217.38
Stacking Equipment for Comm Shelter	\$402.39
Cables	\$660.00
Professional Services	\$6,000.00
<b>Total:</b>	<b>\$92,421.91</b>

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Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.



Unified Networking Solutions

Town of Scituate

Signature: Alex McCormick  
 Name: Alex McCormick  
 Title: Account Executive  
 Date: 09/24/2019

Signature: \_\_\_\_\_  
 Name: Michael Minchello  
 Date: \_\_\_\_\_

Fiber	\$185,206
Fiber for new COA	\$5,000
Fiber for Rec	\$5,000
Police Details (120 hrs)	\$13,100
Hardware	\$83,798
Services	\$6,000
Contingency	\$60,000
<u>Total</u>	<u>\$358,104</u>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/20/19

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

Project Number:	2021-155-03
Project Title:	Permitting Software
Category:	
Department: Information Technology	Contact: Mike Minchello, Director of Information Technology

**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:**

ViewPoint, the manufacturer of ViewPermit, our current building permit software, has announced that as of June 30, 2020, the version we currently own and use will no longer be supported. Some functions of the software such as online permitting, will also stop working on this date.

ViewPermit is currently only used by the Building Department. Brad Washburn would like the new permitting solution to be used by the Building, Planning and Conservation departments, and possibly the Board of Health.

I expect the new software to have a useful life 5-20 years, depending on the manufacturer's continued development and support of the software, and the software ability to continually meet our needs.

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

The purchase of new permitting software will allow the Building Department to continue to issue building permits. Purchasing a solution that would also allow the Planning, Conservation, and Board of Health departments use of the same system would create great synergy and time saving workflows as permits move around these departments at various stages of a project. The new solution would also allow us to have the option for online access so contractors and residents are able to see the status of their permits 24 hours a day, 7 days a week, and they would be able to update records without having to come into Town Hall. This would allow us to offer similar services and capabilities as other towns offer.

Not funding this project would mean that the Building department would not be able to get assistance when they run into problems with the use of the current system, we would not be able to get technical support when errors appear, the software crashes, or when it stops working. This puts our ability to issue building permits at jeopardy

**Discuss Operating Budget Impact:**

The annual maintenance fee of the new software is expected to be mostly offset by the cost of the maintenance fee we currently pay.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025	<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	\$0						<input type="checkbox"/> Revolving Fund	
Contingency	\$10,000	\$10,000					<input type="checkbox"/> CPA	
Other	\$50,000	\$50,000					<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

		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	\$60,000					

**Operating Budget Impact**

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

In June of 2019 I learned that the current building permit software will be reach End of Life (EOL) by the manufacturer on June 30, 2020. As a result, we will no longer be able to get support and receive software updates and patches.

Brad Washburn has formed a committee to evaluate alternative applications that will meet the needs of various departments. This evaluation is just beginning and as a result, a solution has not been pick yet.

The funds requested in the Capital Request is intended to be a placeholder.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9-17-19

Date of Last Edit: 9-17-19

Project Number:	2021-210-01
Project Title:	Marine Unit Re-Powering & Safety Equipment
Category:	Equipment
Department:	Police Department
Contact:	Deputy Chief Mark Thompson

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

Description:

Several years ago, the Town recognized the need for an expanded law enforcement presence on the waters of Scituate. The department was given a directive with a very clear core mission; to expand our level of service to include the waterways of Scituate so as to better protect the safety and well-being of our community. Our department has not been alone. Other police departments, in communities all along the Massachusetts coast, have also been faced with this similar reality. And like them, we continue to work through the challenges of change; integrating a new operational model into time worn traditions.

At the conclusion of our 2018 boating season, our primary patrol vessel, a second-hand, 18-year-old 25' Boston Whaler center console was rapidly approaching its end of useful life for patrol purposes. While it had proven to be a very solid platform during our unit's initial phase, there was always a recognition that its role as a patrol vessel could only last so long; particularly with the motors having been in-service for nearly two decades.

Each year since the unit's inception, the department submitted for Homeland Security Grant funding which would have allowed for the purchase of a vessel similar to Marshfield's or other area communities. Unfortunately, with the competitiveness of these grants increasing, and the availability of funds decreasing, we were unsuccessful in our efforts to secure a grant. Through a program with the GSA however, in November of 2018, we were awarded a 25' Defender Series Safe Boat from the United States Coast Guard at a cost of \$40,000. The Safe Boat Defender is a purpose built platform specifically suited for law enforcement patrol activities. This acquisition was made utilizing asset forfeiture funds available to the department through our drug enforcement efforts, and at no cost to the tax payers of Scituate. If purchased in the open market, a comparable vessel would have been in excess of \$125,000. If purchased new, a 25' Safe Boat Defender would cost in excess of \$280,000.

In service with the US Coast Guard since 2008, the Safe Boat that we secured is in excellent condition. Through the hard work and efforts of officers within our department, the vessel was further upgraded to meet our law enforcement mission and has proven its effectiveness throughout our summer 2019 boating season. The vessel was received by from the Coast Guard with approximately 1,700 hours on its twin-outboard motors. Since acquiring the vessel, the department has logged an additional 500 hours. Anticipated useful life for these motors 2,500-3,000 hours operating under law enforcement patrol conditions. The anticipated hull life of a 25' Safe Boat is 20 years.

This project seeks to re-power the Safe Boat with twin Yamaha outboard motors, provide upgraded GPS Chartplotter and sonar capabilities through the addition of Garmin and Axis electronics, and improve crew member safety equipment with the purchase of Mustang hydrostatic inflatable life jackets.

Benefits of Project and Impact if Not Completed:

This project will safeguard the ongoing operational capabilities of the police marine unit. The department has established rigorous and continual maintenance procedures to ensure that equipment remains mission ready and maximizes its overall lifespan. Properly forecasting the anticipated end of life for this vessel's motors helps to prevent costly and unexpected equipment failures, reduces impacts to critical operational readiness and properly equips our officers with appropriate life safety equipment. Failure to fund this project could result in the police marine unit being off-line and unable to respond to public safety emergencies, as well as, impacting the department's operating budget due to increased repair costs for aging/failing equipment.

Discuss Operating Budget Impact:

On-going service and maintenance of the police patrol boat are currently covered within the department's operating budget; this typically includes oil and fluid changes, filters and other preventive maintenance. The department continues to seek grant funding opportunities which can cover and/or off-set future vessel re-powering commitments.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025	<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	\$64,361	\$64,361						
Contingency	\$3,218	\$3,218						
Other	\$0							
<b>TOTAL</b>	<b>\$67,579</b>	<b>\$67,579</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"/> 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>\$67,579</b>	<b>\$67,579</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

Home > Shopping Cart

## Shopping Cart

Subtotal **\$2,267.82**

[Continue Shopping](#)

[Checkout](#)



MUSTANG SURVIVAL  
HIT™ Inflatable Life Jacket for Law  
Enforcement (AL to Hydrostatix)  
Model # 17265737  
Mfg. # M02183-LE-13

Item Price

\$509.98

Qty

6

Update Quantity

Add to Requisition List  
Remove

Subtotal

\$1,059.88

Fulfilled From Vendor



MUSTANG SURVIVAL  
Rebuilding Kit for Ocean Series Hydrostatic  
Inflatable Life Jackets  
Model # 14298582  
Mfg. # HA7214

\$67.88

6

Update Quantity

Add to Requisition List  
Remove

\$407.94

4 ship(s) from Rock Hill, SC  
2 ship(s) from Hollister, CA

Hazard Shipping

Apply Coupon Code

[Redeem](#)

Cart Subtotal

**\$2,267.82**

Order Times for Same Day Shipping

[Continue Shopping](#)

[Empty Cart](#)

[Checkout](#)



QUOTE		
CUSTOMER P.O. NO.	QUOTE NO.	PAGE NO.
GARMIN	18263037	1

SOLD TO:

SCITUATE TOWN OF  
 WEST MARINE PRO  
 800 CHIEF JUSTICE CUSHING HWY  
 SCITUATE MA 02066

UNITED STATES

SHIP TO:

SCITUATE TOWN OF  
 WEST MARINE PRO  
 800 CHIEF JUSTICE CUSHING HWY  
 SCITUATE MA 02066

UNITED STATES

ATTENTION: 1316

QUOTE DATE		SALES REP.		CUSTOMER NO.	SOURCE CODE	EXPIRE DATE	SHIP VIA	
09/17/19		GOVERNMENT ACCOUNTS		10496867	77CUR008K	10/17/19	STANDARD (	
LINE NO.	QTY	ITEM NUMBER	DESCRIPTION	COUNTRY OF ORIGIN	HARMONIZE CODE	UNIT PRICE	EXTENSION	
1	1	17984774	AXIS 9 HEADING SENSOR	TW	9014107060	518.00	518.00	
2	1	19373521	GPSMAP8616XSV US+CAN+BAH+LAKE	TW	0	5058.00	5058.00	

TOTAL MERCHANDISE	SHIPPING & HANDLING	SALES TAX	ORDER TOTAL
5576.00	0.00	0.00	5576.00





# MONAHAN'S MARINE INC.

South Shore Boating Headquarters

396 Washington St. (Rt. 53)

Weymouth, MA 02188

PH: 781-335-2746 FX: 781-337-5267

Page	1
Date	09-14-19
Time	08:44:23

### SCITUATE POLICE

SCITUATE, MA 02066

Home: 781-831-4423

bmcauley@scituatema.gov

## Quote Sheet

Deal Number	1909131204
Customer Number	7818314423
Invoice Number	0
Salesclerk	10
Delivery Date	

OUTBOARD	A	- New	-2020 YAMAHA MOTOR CO F250UCA	Stock#	DOB3335	22,195.00
	Vin#		4.2L DEC FOUR STROKE 30"			
OUTBOARD	B	- New	-2020 YAMAHA MOTOR CO LF250UCA	Stock#	DOB3334	22,835.00
	Vin#		4.2L DEC FOUR STROKE 30"			
OUTBOARD	D	- New	-2020 YAMAHA MOTOR CO CL2MC TWIN	Stock#	DOB20930	1,895.00
	Vin#		DEC CONTROL			
			LABOR			4,500.00
	2 Y		6X6-8258A-30-00	MAIN ENG HARNESS, 10M		631.06
	1 Y		6Y8-82553-31-00	25FT MAIN BUS		106.96
	1 Y		6Y8-82521-31-00	6FT PIGTAIL BUS		51.87
	1 L		TEL H05106	HOSE KIT-2PC SEASTAR O/B		65.43
	1 L		TEL HC53453	CYLINDER OUTBOARD FRONT		584.37
	1 L		TEL H06001	UNIV TIE BAR SINGLE CYL		454.52
	1 L		TEL H05130	HOSE KIT-2PC SEASTAR O/B		258.32
	1 Y		6CE-45B70-20-00	PROPELLER (4X15"X21-T)		826.67
	1 Y		6CF-45B70-20-00	PROPELLER (4X15 X21 -TL)		826.67
	1 Y		6X6-0E83C-00-00	SGL/TWN DEC KIT 6YC DISP		952.70
	1 Y		6X6-762B0-00-00	START SW KIT, TWIN ENG, MA		333.30
			TOTAL QUOTE			56,516.87

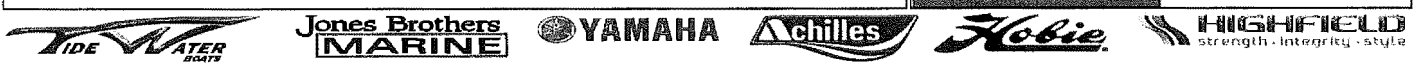
Wallace Software Solutions (401) 438-3030 • www.wallacet.com

[www.monahansmarine.com](http://www.monahansmarine.com)

Total Quote	56,516.87
Total Deposits	
Total Trades	
Total Payoff	
Total Taxes	

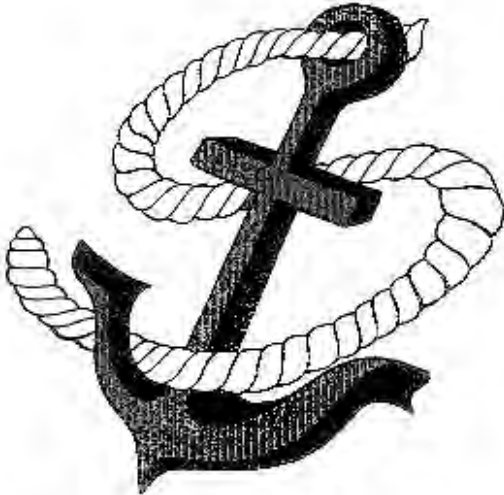
Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

**BALANCE DUE** \$56,516.87



• SALES • SERVICE • PARTS & ACCESSORIES

# Scituate Public Schools



## Facilities & Capital Plan: 2020 – 2025



## Introduction:

The Scituate Public Schools is a district known for its innovative, world class education. We strive to prepare our students to succeed in an increasingly globalized society by providing authentic, consistent & innovative curriculum. Our educators meet the needs of all students through engaging, rigorous & research based instructional pedagogy. We work to provide our students with opportunities to actively engage in their learning, in schools with flexible learning spaces. It is our mission to graduate resilient, balanced and well-rounded global citizens able to make a positive impact in the world.

To this end, the Scituate Public Schools Facilities & Capital Plan outlines the major maintenance, facilities and technological improvement projects that support the district's mission, vision and priorities of the district's five year strategic plan. Our facilities & capital planning should support our vision and strategic plan in the following ways:

1. Provide flexible, innovative, 21<sup>st</sup> century spaces for learning
2. Plan for proactive building maintenance and continual enhancement of our schools
3. Commit to green & sustainable design & construction
4. Invest in low maintenance materials and structures

This Facilities Plan identifies projects, including building needs, technological infrastructure, grounds, parking lots, drives, playgrounds, transportation and fields surrounding the schools, an estimated cost to repair, and a priority ranking to guide the budgeting of capital resources. Where further study is necessary for a project, it is indicated in the plan. It is also important to note that while the grounds and fields surrounding the schools are ultimately the responsibility of the town, it is imperative to identify and budget for a coordinated effort between the schools and town, including the Recreation Department, to maintain and improve the exterior of the schools and provide for adequate playing fields for the entire community. This Facilities Plan is organized into four major parts.

- Part I: Facilities overview
- Part II: Regularly scheduled maintenance
- Part III: Small scale facilities improvements
- Part IV: Multi-year capital plan

It is imperative that our schools, new and old, are well maintained to meet the high expectations we set for our school system and to continue our tradition of excellence. This Facility Plan, when implemented and adequately funded, will ensure that the Town of Scituate has facilities that meet the same standards of excellence as its educational program.

## Part I: Facilities Overview

The Scituate Public Schools consist of six educational facilities; four K – 5 elementary schools, a Grade 6 – 8 middle school, and a Grade 9 – 12 high school. Scituate is a community invested in its schools; supporting projects to maintain and improve its schools over many years; most recently, building a new, state of the art middle school in 2017. Scituate schools vary in age, condition and capacity, and have all served the community well. Below is an executive summary of our six schools.

Facility	Year opened	History of Major Renovations
<b>Scituate High School</b>	1959	1967 (major addition)
		2002 (major renovation)
		2017 (major renovation – addition of CPA, new art wing and relocated nurse suite)
<b>Gates Middle School</b>	2017	New, state of the art, Gates Middle School now in operation
<b>Wampatuck Elementary School</b>	1957	1968 (partial addition)
		2007 (major renovation)
		2014 (major renovation - ECC)
		2019 New playground constructed
<b>Jenkins Elementary School</b>	2002	Jenkins Elementary School replaced aging building in 2002.
<b>Cushing Elementary School</b>	1965	No major renovations
<b>Hatherly Elementary School</b>	1962	No major renovations

A challenge facing our district is aging facilities. One-half of the district’s six schools are fifty or more years old. Fifty years is generally considered the age at which schools are considered in need of major renovation or replacement. Two of our elementary schools, Cushing and Hatherly are over fifty years old and have not had any major renovations or modernization since they opened. This presents a problem that makes this plan difficult to implement. While this plan will identify facility needs and a schedule to address those needs, the School Committee and town will need to consider the question of whether to invest millions of dollars to bring facilities up to current educational standards, or plan for their eventual replacement. This is certainly a challenge. However, it also presents an opportunity for us to innovate; to reimagine the configuration, structure and layouts of our elementary schools to best meet 21<sup>st</sup> century educational paradigms and provide all Scituate students with a world class learning environment.

## Part II: Regular Scheduled Maintenance

Regular maintenance is fundamental to ensuring that our school facilities, new and old, can serve generations of Scituate residents. Our district is focused on ensuring that all school facilities continue to support the educational experiences that happens inside them each day and continue to serve as places where students, families and citizens come together and create a sense of community.

In addition to daily cleaning and day to day upkeep, the district coordinates a range of regular maintenance for all of its schools. Scheduled maintenance consists of the major inspections, replacement and tune ups of the many integrated systems that make up the infrastructure of our schools. Typically, scheduled maintenance ranges from just over one thousand dollars to over twenty thousand dollars in costs each year. This work is funded through the school department or DPW depending on the project. Whenever possible, this maintenance is done by our custodial and operations staff but often, it must be completed by external experts. Recently, the scope of scheduled maintenance has expanded significantly with the addition of our new, state of the art middle school building.

Part of the Scituate Public Schools 5 year strategic plan is focused on strengthening and improving our school facilities. As part of this work, the district will be investigating and implementing a software platform which allows school staff to easily report maintenance needs/requests and allows our operations team to efficiently address and track maintenance throughout the district. (See [Strategic Objective 4.4](#) for further detail on this work). The intention of this will be to help us better manage the facilities needs throughout the district.

Below is an executive summary of the annual maintenance scheduled for each school building and estimated costs associated with each. This summary is by no means exhaustive, but rather, it illustrates the major maintenance projects the district undertakes as part of the proactive upkeep of its school buildings.

**Part II: Regularly Scheduled Maintenance Projects: *Executive Summary***

School	Project	Description	Estimated Cost	Service Provider	Notes
All 6 Schools	Grease Traps	Pump grease traps at least annually	\$1,200	P F Spencer	NA
All 6 Schools	Proactive pest control measures	Inspect and maintain and update IPM (integrated pest management) plan. Given our geography, proactive pest control minimizes the frequency of ticks, carpenter ants and other pests.	\$2,000	Safety Fumigant	All pest control substances are eco-friendly and safe - used by schools throughout the region and state.
All 6 Schools	Service Kilns	Annual service required for 8 kilns in 6 schools	\$2,000	Boston Kiln	Kilns must be checked by outside agency
All 6 Schools	Fire Extinguishers	Check and Service	\$2,000	R.E. Lyons	Checked each year and replace as needed
All 6 Schools	Fire Alarm Testing	Test all Alarms	\$2,400	Associated Fire	In collaboration with SFD
All 6 Schools	Kitchen Hood Inspections	Inspect and clean all exhaust vents under hoods in kitchens at least annually	\$2,400	Air Duct Services	NA
All 6 Schools	Evacuation, exit signage and egress maintenance	Replace, move and check signage	\$3,000	Maintenance	Part of Building Inspection done at beginning of each school year.
Jenkins, High School & Middle School	Elevators inspection and maintenance	Annual Inspection/maintenance	\$4,000	Associated Elevator	If major issues are identified, these would be moved to small scale facilities improvements and immediately addressed.
All 6 Schools	Fire Alarm Monitoring	Monitoring all Alarm Systems	\$4,000	Associated Fire	In collaboration with SFD
All 6 Schools	Generator inspection and maintenance	Annual Inspection/maintenance	\$5,000	New England Generator	NA
Jenkins, Cushing, Hatherly & High School	Chair Lifts maintenance	Annual inspection of chair lifts for elevation changes in the schools.	\$5,000	Garraventa	With the exception of Wampatuck (one floor) and Gates (new), all schools have chair lifts to provide accessibility for disabled students.

All 6 Schools	Cafeteria refrigeration maintenance	Maintain and replace parts for all refrigeration in school cafeterias	\$6,000	Franey Refrigeration	Older equipment needs more maintenance.
All 6 Schools	Replace air filters	All filters for Univents, AC units, Air Handlers Approximately 1000 in the district, replaced 2X per year	\$10,000	Airex and SPS custodial and operations	SPS saves approximately \$35,000 in costs because our custodial and operations staff incorporate this into our own bi-annual maintenance work.
All 6 Schools	Roof maintenance	Inspection and fixes small problems	\$10,000	Weather Shield	Most school roofs are aging and need attention and in some case replacement through capital projects.
All 6 Schools	AHERA Program	AHERA (Asbestos Hazard Emergency Response Act of 1986) inspections every 3 years by outside Vendor	\$20,000	Covino TRC	Inspections done by staff every 6 months
All 6 Schools	Inspection and cleaning of all boilers	2 Boilers at each school	\$25,000	Commercial Boiler Systems	Inspect, clean and replace parts as needed
Buses and Vans	Regular auto maintenance	Oil changes, replace parts and tire replacement	\$30,000	Scituate Schools	SPS maintains a fleet of 18 buses and 7 Vans
All 6 Schools	HVAC	Inspect, clean and repair Unit ventilators	\$40,000	Commercial Boiler Systems	In addition to annual inspections and maintenance, the district annually allocates funds to repair HVAC systems at schools as needed. This represents one of the most expensive annual maintenance and repair investments.
All 6 Schools	Year round landscaping	General landscaping and grounds maintenance	Costs covered by DPW	Scituate DPW	Grass cutting, pruning and maintaining beds
Elementary Schools	Playground Wood Chips	Refill wood chips for all playgrounds	Costs covered by DPW	Scituate DPW	Wood chips need to be replaced annually
All 6 Schools	Minor building repairs	SPS partners with DPW annually to tackle unanticipated maintenance issues.	Varies annually	SPS Custodians and Scituate DPW	These vary each year depending on weather events, age of buildings, etc.

### Part III: Small Scale Facilities Improvement Projects: *Executive Summary*

In addition to daily and regularly scheduled maintenance, the district also invests in small scale projects to meet our maintenance and facilities improvement needs. These projects are typically funded through the school department's operating budget and cost between \$5,000 and \$20,000. The scope of this work varies and includes projects that are pre-planned but simply too small to consider as a capital request to projects that address unanticipated facility needs that may arise. Below is a summary of these small scale facilities improvements.

Small Scale Facilities Improvements							
Fiscal Year	School	Project	Description	Trades Needed	Estimated Cost	Status	Notes
2019	Jenkins	Replaced PA system	Communication throughout the building was intermittent. After several attempts to repair, it needed to be replaced.	Specialty Communication Company	\$10,000.00	Complete	Used system from old Gates. Saved community 20k.
2019	Hatherly	Windows	Replace 10 broken windows	ReBuildEx	\$8,000.00	Complete	
2019	Hatherly	Curb cuts & ramp	Installed new curb cuts and ADA ramps to improve access to the school	Concrete	\$16,000.00	Complete	
2019	Cushing	Curb cuts & ramp	Installed new curb cuts and ADA ramps to improve access to the school	Concrete	\$4,000.00	Complete	
2019	Cushing	Cafeteria	Burst Pipe	Plumber	\$10,000.00	Complete	Total was 30k but about 20k covered by insurance
2019	Wampatuck	Library Doors	Replace doors that swing in with doors that swing out and one must be 36" wide	Door Company	\$15,000.00	Slated for October, 2019	
2020	Jenkins, Wampatuck & High School	Roof scope and quote	District to get scope and quote for major roof projects at these three schools	Rofer	TBD	Slated for November, 2019	Consolidate all 3 schools' needs into one project
2020	District	Bus Cameras	Installed cameras on SPS busses	Security Company	\$23,000	Complete	Evaluating installation on vans and backup busses
2020	High School	Speed bumps	Install removable speed bumps on access road	Hardware Company	\$2,000	Slated for October, 2019	
2020	Wampatuck	Replace classroom locks and hardware	Upgrading classroom door hardware	Maintenance Staff	\$12,000	Complete	

Updated September, 2019



2020	Hatherly & Cushing	Replace classroom locks and hardware	Upgrading classroom door hardware	Maintenance Staff	\$15,000	ongoing	Unanticipated out of district costs halted this project in spring, 2019. Will continue until completion in FY20.
2020	Cushing	Upgrade Front Door	Installing new front doors – insulated, ADA accessible and upgraded security. This install will now match the Hatherly doors.	New England Door	\$20,000	February, 2020	Hatherly had upgraded doors several years ago. Cushing needed these as well. Pursuing grant funding
2020	HS	Upgrade exterior door security	Bus loop, Caf door, large gym hallway door mulleins.	New England Door	\$5,000	February, 2020	Grant funding already secured
2020	HS	Repair fire door hardware	The automatic locking hardware requires replacement and upgrades	New England Door	\$5,000	Underway	
2020	Jenkins	Windows evaluation & quote	Engineering firm to make recommendations regarding next steps with the Jenkins windows.	Engineering company	\$2,000	Slated to start winter, 2019	
2020	Jenkins	Portico	Sandblast, paint footings and posts. Repaint the portico. Repaint railings outside of K classrooms	Painting	\$8,000	Slated to start spring, 2020	
2020	Jenkins	Planning	Redesign and plan for renovation of back stairs to be integrated into the educational program and support PbL and PbAs.	Engineering	\$15,000	Slated to begin winter, 2019	Existing article from 2013
2020	High School	Upgraded Fire Doors	New wiring and updated hardware are required on several doors to ensure they are fully functional during an emergency.	Doors	\$8,000	Slated to begin, winter 2019	
2021	Wampanoag	Secondary egress hardware	Secondary egress to get upgraded hardware	Maintenance Staff	\$12,000	2021	
2021	Hatherly	Accessible path to field	Installation of a more accessible path to the field from the school	Construction	\$10,000	2021	
2022	Jenkins	Replace Water Heater	While the system works well, the main heater is approximately the same age as the high school's water heater which failed in 2018. While they are not failing yet, this would be a proactive investment.	Commercial Boiler System	\$20,000	2022	Pursuing a grant through Mass Save

You can view further detail with an interactive, sortable version of all Facilities Improvements by clicking [here](#)

## Part IV: Multi-year Capital Plan:

The final part of the Scituate Public Schools Facilities Plan are Capital Requests. Capital requests typically represent larger scale projects, costing over \$25,000 for equipment or facilities improvements with a useful life of 5 years or more. They are not limited to buildings or facilities although they are often facilities related given that building improvements quickly reach capital thresholds. School district capital requests are funded through the town of Scituate and prioritized along with all other capital requests for the community. Some of these projects are structured in phases over multiple years. Often, projects require a combination of analysis, planning and execution that spans years. In addition, projects can also be phased over time to minimize disruption to education during the school year or to distribute larger costs over a period of time. As part of the district’s internal capital planning process, each project proposal is reviewed, vetted, given a priority by the educational leadership team and presented to the School Committee. Scituate Public Schools uses the rubric shown below to prioritize capital projects. Each project is rated on 5 different categories to guide the prioritization of proposals. In the executive summary on the next page, priority for each project is denoted by “P#”. For example, a project that is “Essential” would be noted as “P4”. The criteria that are considered are outlined below in a rubric.

	<b>5: Top priority</b>	<b>4: Essential</b>	<b>3: Proactive planning</b>	<b>2: Improvement</b>	<b>1: Enhancement</b>
<b>Health &amp; Safety considerations</b>	Project addresses current or immediate health and safety concerns.	Project proactively addresses a potential health or safety concern.	Project is aimed at maintaining health and safety of students and staff.	Project is aimed at generally improving health or safety conditions.	Project has no impact on health or safety.
<b>Maintaining high standards of current educational program</b>	Education is currently interrupted due to current issue and project will address this immediately.	Education will likely be disrupted in the next 1-2 years if project is not funded to address issue.	Education will likely be disrupted in the next 3-4 years if project is not funded to address issue.	Education is improved by project and would likely be disrupted in the next 5-6 years if project is not funded.	Capital project enhances the educational program.
<b>Support for district’s mission, vision and 5 year strategic plan</b>	Capital project advances three or more priorities of the 5 year strategic plan.	Capital project advances at least 2 major priorities of the 5 year strategic plan.	Capital project advances a major priority of the 5 year strategic plan.	Capital project indirectly supports one or more priorities of the 5 year strategic plan.	Capital project does not support or advance a priority of the 5 year strategic plan.
<b>Legal, regulatory, cost &amp; maintenance considerations</b>	District is currently under order to take action. (DESE, OCR, Court, etc.)	Project is necessary to meet existing state and federal requirements	Project is necessary to sustain orderly schedule for maintenance and replacement.	Cost of project will increase in future (beyond inflation) if it is delayed at this time.	Minor risk that cost will rise or service will be interrupted if project is not funded.
<b>Multi-year plan and funding</b>	Project represents the final phase of a multi-year project OR is a need that has been unfunded for 4 or more years.	Project represents a middle phase of a multi-year project OR is a need that has been unfunded 3 or more years.	Project is the first phase of a multi-year project OR is a need that has been unfunded 2 or more years	Project is not a multi-year project OR is a need that has been unfunded for a year.	Project is not a multi-year project and/or is new to the capital plan.

Part IV: Multi-year Capital Plan: *Executive Summary of proposals*

	FY20	FY21	FY22	FY23	FY24	FY25
<b>High School</b>	Replace Carpeting (phase 2 of 2) (Not funded) Upgraded School Security	Locker Room/Fitness Rooms Renovation (phase 2 of 4) Replace Carpeting (phase 2 of 2) Replace Hallway Flooring (phase 2 of 3)	Locker Room Renovation Girls (phase 3 of 4)  Replace Flooring (phase 3 of 3)	Locker Room Renovation Boys (phase 4 of 4)  Roof Replacement	Gym Floor Renovation Phase 1 of 2	Gym Floor Renovation Phase 2 of 2  Begin upgrading FFE to more flexible, 21 <sup>st</sup> century classroom FFE
<b>Cushing</b>	Upgraded School Security <u>Note: MSBA SOI</u>	Wireless smoke detectors Bathroom accessibility <u>Note: MSBA SOI</u>	Facilities Improvements Only	Parking lot and driveway replacement (Phase 2 of 3)	Replace front portico	Window Replacement
<b>Hatherly</b>	Upgraded School Security <u>Note: MSBA SOI</u>	Wireless smoke detectors <u>Note: MSBA SOI</u>	Windows Replacement	Sink/pipes replacement (Include in Roof Replacement project if consolidation SOI rejected)	Parking lot and driveway replacement (Phase 3 of 3)	Replace Unit Ventilators
<b>Wampatuck</b>	Upgraded School Security Replace fire doors (Partially funded) Replace entrance portico (Not funded) Replace playground - Done	Replace entrance portico	Parking lot and driveway replacement (Phase 1 of 3)	Renovate nursing station Sink/pipes replacement Roof Replacement	Flooring Replacement	Teacher's Room Renovation New gym and renovate grounds
<b>Jenkins</b>	Upgraded School Security	Facilities Improvements Only	Facilities Improvements Only	Roof Replacement	Possible Windows Project	Reimagine and transform back stairs into outdoor performance and presentation space
<b>District</b>	Technology infrastructure (Phase 3 of 5) - Done Security enhancements – Done Capital Bus Lease – (Not funded)	Two Special Education Vans Technology infrastructure P4 (Phase 4 of 5)	Technology infrastructure (Phase 5 of 5)  Submit <u>SOI</u> for roof replacement for Wampatuck, Jenkins and High School (Include Hatherly if consolidation SOI rejected)	Technology Hardware (Phase 1 of 5)  Planning for Jenkins & Wampatuck projects	Technology Hardware (Phase 2 of 5)  Storage facility  Submit <u>SOI</u> for Wampatuck Project	Technology Hardware (Phase 3 of 5)

You can view further detail with an interactive, sortable version of all capital projects by clicking [here](#).

#### Part IV: FY21 Capital Requests:

The Scituate Public Schools is proposing 8 projects as part of the FY21 Capital Plan. These projects address key facilities, transportation and infrastructure needs throughout the district. If approved by our community, funds for these projects would be released next year and work on these projects would begin shortly thereafter. Below is a summary of this year's capital requests including rationale and supporting information for each project.

#### Capital Requests Executive Summary

Proposal	Priority	Cost
High School Carpet Replacement Phase 2 of 2	Improvement Project	\$65,000
High School 2 <sup>nd</sup> Story Flooring Replacement Phase 2 of 3	Proactive Planning Project	\$250,000
High School Locker & Fitness Rooms Renovation	Proactive Planning Project	\$710,000
Wampanoag Portico Replacement	Top Priority Project	\$175,000
Special Education Vans	Proactive Planning Project	\$80,000
District-wide Technology Infrastructure	Essential Project	\$150,000
Wireless Smoke Detectors	Top Priority Project	\$50,000
Cushing Accessibility Requests (OCR)	Essential Project	\$50,000
	<b>Total</b>	<b>\$1,530,000</b>

### **Proposal 1: High School Carpet Replacement Phase 2 of 2**

**Rationale:** Carpeting is nearly 20 years old and is a heavy traffic area of the school used both for library and as a group meeting space for students, staff and community members. This project has been prioritized as an improvement.

**Proposal:** \$65,000 to replace carpet in the high school library area, office and computer lab.

**Impact:** New, high traffic, "tile" carpet allows for easy maintenance. When damaged, individual carpet tiles may be replaced using attic stock. While this is the lowest priority project on the FY20 capital requests list, the space it impacts is frequently used by the high school for both students and the community.

**Prioritization:** Improvement Project



### **Proposal 2: High School 2<sup>nd</sup> Story Flooring Replacement Phase 2 of 3**

**Rationale:** Second Floor Corridors. Tiles are beginning to crack and peel. Project would replace all existing tiles with same low maintenance flooring surface that is in the Gates facility and now in the main corridors on the first floor.

**Proposal:** \$250,000

**Impact:** The proposed new flooring would be wax free, eliminating some maintenance costs and yielding some savings on wax purchases at the high school. The time savings we are finding with this new flooring has allowed our custodial staff to focus energy on other maintenance projects, particularly over the summer; ultimately improving overall building maintenance.

**Prioritization:** Proactive Planning Project



### **Proposal 3: High School Locker & Fitness Rooms Renovation**

**Rationale:** This project proposal is a follow up to the FY2019 redesign of the locker rooms - Phase 2 of 4. Renovation of boys and girls locker rooms & fitness/training rooms addresses structural needs as well as better design to meet student needs. This project is part of a multi-year redesign and renovation plan for locker rooms. Proposed locker room design seen here.

**Proposal:** \$710,000

**Impact:** While this project is the most expensive in this year's proposals, it is also one of the most long overdue. The high school locker room and fitness areas are some of the most high traffic areas in the building, with use well beyond the typical school day and often over the weekends. This 2<sup>nd</sup> phase of the project would follow through on the design work that was approved in 2019 and would be followed by renovations to the girls' and boys' locker rooms in subsequent years.

**Prioritization:** Proactive Planning Project



#### **Proposal 4: Wampanoag Portico Replacement**

**Rationale:** The current portico at the front of the building is original to the building (1957). Repairs have been done to the support posts but full replacement is required to handle annual snow loads.

**Proposal:** \$175,000 to remove and replace the existing structure with a reinforced, climate appropriate portico.

**Impact:** A new, reinforced, pitched portico will allow for appropriate drainage and maintain a safe, dry space for students and families as they transition in and out of the school.

**Prioritization:** Top Priority Project



#### **Proposal 5: Special Education Vans**

**Rationale:** This capital request is for the purchase of 2 new vans which will allow the district to manage several out of district transportation routes and save operating costs in the long term.

**Proposal:** \$80,000 to purchase two new vans to add to the SPS fleet.

**Impact:** Currently, the district contracts for a large number of routes for out of district services. The purchase of these vans would allow the district to take on these routes in house, yielding an annual operating savings for special education transportation.

**Prioritization:** Proactive Planning Project



### **Proposal 6: District wide Technology (Phase 4 of 5)**

**Rationale:** Technology Capital Plan: Upgrade technology hardware and infrastructure: Begin replacement of obsolete WiFi access points throughout the district. Continued hardware replacement cycle of staff and student Chromebooks. This project is part of a multi-year capital investment in technology hardware across the district to support 21st education for all students.

**Proposal:** \$150,000

**Impact:** SPS remains a leader in 21<sup>st</sup> century technology education and integration. To maintain our commitment to technology integration, continual capital investment in required, otherwise hardware and infrastructure quickly becomes obsolete.

**Prioritization:** Essential Project



### **Proposal 7: Wireless Smoke Detectors for Cushing & Hatherly Elementary**

**Rationale:** This system provides an added layer of fire prevention for both schools. While we continue to work toward a school consolidation and new building project, this capital equipment brings the detection systems in both schools up to the level of their counterparts in our other elementary schools.

**Proposal:** \$50,000

**Impact:** Installation of wireless smoke detector system. The system is portable and could be easily removed if our SOI is approved by state and schools are consolidated. System could be used in any building in town thereafter.

**Prioritization:** Top Priority Project





## Proposal 8: Cushing Accessibility Requests

**Rationale:** Scituate is in the process of finalizing a consolidated resolution agreement with the Office of Civil Rights to address complaints regarding the accessibility of Cushing & Hatherly Schools. The agreement outlines the steps the district has been taking toward consolidating both schools and building a new elementary school. While this long term plan would comprehensively address these concerns, the agreement with OCR outlines short term projects at the school to address specific, long standing complaints. These complaints underscore the need to continue moving forward with a new elementary school project so that we can address these in a more comprehensive manner.

**Proposal:** \$50,000

**Impact:** Minor renovations to three bathrooms in the building to improve accessibility to restroom facilities.

**Prioritization:** Essential Project





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-300-1
Project Title:	HS Carpet
Category:	Construction
Department:	SPS
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [x]      Phase 1 of 2

**Description:**

Replacing carpet in high school library area, office and computer lab. Carpet is nearly 20 years old and is a heavy traffic area of the school used both for library and as a group meeting space for students, staff and community members

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

High traffic area. has well worn areas that are getting harder to clean. This is 18 years old carpet. If not replaced will continue to wear and doesn't represent the high quality work that goes on in the space.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
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>\$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: FY2021 - FY2025

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

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

Project Number: 2022 - 300 - 3
Project Title: Technology
Category: Equipment
Department: SP5
Contact: Paul Donlan

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [x] Phase 5 of 5

Description:

Upgrade technology hardware and infrastructure: Phase 5 of 5. Replacement of SHS phone system with VOIP system will complete the full VOIP capital improvement. Finish replacement of older Wi-Fi Access Point infrastructure throughout the district. Complete replacement of staff and student laptops for 5 year cycle. This project is part of a multi-year capital investment in technology hardware across the district to support 21st education for all students.

Benefits of Project and Impact if Not Completed:

VOIP will eliminate the need for multiple vendors to service our internal/external phone systems.

Discuss Operating Budget Impact:

Part of multi-year investment plan for technology hardware to support 21st century education across district.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$130,000		\$130,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$130,000	\$0	\$130,000	\$0	\$0	\$0	<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
Net of CPA and Grants	\$130,000
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: FY2020 - FY2024**

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

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

Project Number: 2022-300-5			
Project Title:	Wampatuck Parking Lot		
Category:	Construction		
Department: DPW/SPS	SPS/DPW	Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ x ]      Phase   1   of   3  

**Description:**

The Wampatuck Elementary School driveway and parking lots (approx. 72,000 square yards) have deteriorated over the past several years and are in significant need of repair. Freezing/thawing cycles have left the asphalt cracked and crumbling. In addition, the school also utilizes part of the asphalt area for recess, PE classes and community recreational use. Phase 3 of 3.

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

Plowing and snow removal will be easier, accessibility for our challenged students as well as adults will be better.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$303,673		\$303,673				<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>\$303,673</b>	<b>\$0</b>	<b>\$303,673</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>\$303,673</b>	<b>\$0</b>	<b>\$303,673</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 ESTIMATE CHAPTER 90 FORCE ACCOUNT**

CONSTRUCTION PROJECT **Wampatuck School**

TOWN: **SCITUATE**

LENGTH:                      DATE:

WIDTH

0     S/Y

**CHAP 90**

TONS     MACHINE WORK

TONS     HAND WORK

7161     S/Y     Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
3	EA	7161	\$200.00	\$ 600.00
4	EA	STRUCTURES - (ADJUST)	\$200.00	\$ 800.00
2	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ 700.00
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ -
7,161	SY	RECLAMATION	\$4.00	\$ 28,644.00
300	CY	EXCESS MATERIAL	\$4.00	\$ 1,200.00
7161	SY	FINE GRADE/COMPACT	\$1.00	\$ 7,161.00
	SY	Cold Plan 2"	\$2.70	\$ -
1301	L/FT	Sidewalk Rebuild with curb	\$45.00	\$ 58,545.00
	S/Y	Bit. Concrete sidewalk construction	\$44.90	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
1002	TON	BITUMINOUS CONC. BINDER 2.5	\$80.00	\$ 80,160.00
601	TON	BITUMINOUS CONC. MACHINE TOP COURSE 1.5	\$80.00	\$ 48,080.00
	TON	BITUMINOUS CONC. LEVELING 1"	\$78.00	\$ -
75	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ 11,250.00
	HR	2 POLICE DETAILS	\$46.77	\$ -
100	CY	LOAM	\$20.00	\$ 2,000.00
400	SY	HYDRO-SEED	\$10.00	\$ 4,000.00
	HR	Excavation and Removal around guardrail	\$120.00	\$ -
4	EA	FRAME& GRATE/COVER	\$250.00	\$ 1,000.00
1301	LFT	Plastic or Cement 12" Pipe 12" installed	\$45.00	\$ 58,545.00
	EA	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$2,250.00	\$ -
1300	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ 988.00
	EA	PRECAST HEADWALL	\$3,000.00	\$ -
	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ -
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 303,673.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023-300-4	
Project Title: Hatherly Roof	
Category: Construction	
Department: SPS	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 <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

The Hatherly roof is original with the school (1962) with some repairs (2015-16). The repairs were done in areas of the flat roof that were leaking, damaged by weather or worn by age. In 2017-18, more leaks occurred - over the gym and classrooms, part of the a-frame roof. The analysis done through the viability study will outline the scope and costs for full roof replacement for approximately 40,000 square feet of roofing.

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

Keep leaking will disrupt the educational program in each area where there are leaks. Damage to material and equipment. Damage to flooring.

**Discuss Operating Budget Impact:**

Possible SOI for MSBA accelerated replacement program

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0			TBD			<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	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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

**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: FY2021 - FY2025**

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

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

Project Number: 2023-300-5			
Project Title:	Cushing Parking Lot		
Category:	Construction		
Department: DPW/SPS	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 <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input checked="" type="checkbox"/>	Phase <u>1</u> of <u>3</u>	

**Description:**

The Cushing Elementary School driveway and parking lots have deteriorated over the past several years and are in significant need of repair. Freezing/thawing cycles have left the asphalt cracked and crumbling. Repairs and patches have been applied to the most significantly affected areas but the entire area is in need of full resurfacing to ensure safe travel around the school. Phase 1 of 3

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

Plowing and snow removal will be easier, accessibility for our challenged students as well as adults will be better.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$347,102			\$347,102			<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>\$347,102</b>	<b>\$0</b>	<b>\$0</b>	<b>\$347,102</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>\$347,102</b>	<b>\$0</b>	<b>\$0</b>	<b>\$347,102</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

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

**PRELIMINARY ESTIMATE CHAPTER 90 FORCE ACCOUNT**

CONSTRUCTION PROJECT **Cushing School Paving**

TOWN: SCITUATE

LENGTH: DATE:

WIDTH

12,620 S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

*UP DATED  
9/26/18*

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
3	EA	Gates - (ADJUST)	\$200.00	\$ 600.00
6	EA	STRUCTURES - (ADJUST)	\$200.00	\$ 1,200.00
	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ -
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ -
12,620	SY	RECLAMATION	\$3.00	\$ 37,860.00
300	CY	EXCESS MATERIAL	\$4.00	\$ 1,200.00
12620	SY	FINE GRADE/COMPACT	\$1.00	\$ 12,620.00
	SY	Cold Plan 2"	\$2.70	\$ -
1190	L/FT	Sidewalk Rebuild with curb	\$45.00	\$ 53,550.00
	S/Y	Bit. Concrete sidewalk construction	\$44.90	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
1767	TON	BITUMINOUS CONC. BINDER 2.5	\$80.00	\$ 141,360.00
1060	TON	BITUMINOUS CONC. MACHINE TOP COURSE 2	\$80.00	\$ 84,800.00
	TON	BITUMINOUS CONC. LEVELING 1"	\$80.00	\$ -
50	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ 7,500.00
	HR	2 POLICE DETAILS	\$46.77	\$ -
25	CY	LOAM	\$20.00	\$ 500.00
200	SY	HYDRO-SEED	\$10.00	\$ 2,000.00
	HR	Excavation and Removal around guardrail	\$120.00	\$ -
3	EA	FRAME& GRATE/COVER	\$250.00	\$ 750.00
50	LFT	Plastic or Cement 12" Pipe 12" installed	\$45.00	\$ 2,250.00
	EA	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$2,250.00	\$ -
1200	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ 912.00
	EA	PRECAST HEADWALL	\$3,000.00	\$ -
	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ -
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 347,102.00











**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023 - 300 - 9	
Project Title: Technology	
Category: Equipment	
Department: SPS	Contact: Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [x ]      Phase 5 of 5

**Description:**

Upgrade technology hardware and infrastructure: Phase 5 of 5. Replacement of SHS phone system with VOIP system will complete the full VOIP capital improvement. Finish replacement of older Wi-Fi Access Point infrastructure throughout the district. Complete replacement of staff and student laptops for 5 year cycle. This project is part of a multi-year capital investment in technology hardware across the district to support 21st education for all students.

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

VOIP will eliminate the need for multiple vendors to service our internal/external phone systems.

**Discuss Operating Budget Impact:**

Part of multi-year investment plan for technology hardware to support 21st century education across district.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
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>\$100,000</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>\$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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**PRELIMINARY ESTIMATE CHAPTER 90 FORCE ACCOUNT**

CONSTRUCTION PROJECT: **Hatherly School Paving**

TOWN: SCITUATE

LENGTH: DATE:

WIDTH

8,900

S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

QUANTITY	UNIT	KIND OF WORK	PRICE	AMOUNT
4	EA	Gates - (ADJUST)	\$200.00	\$ 800.00
6	EA	STRUCTURES - (ADJUST)	\$200.00	\$ 1,200.00
	VFT	STRUCTURES 6" VERTICAL	\$350.00	\$ -
	VFT	LESS THAN 6"VF STRUCTURES	\$195.00	\$ -
1	EA	PRE CAST DRAINAGE STRUCTURE	\$675.00	\$ 675.00
8,900	SY	RECLAMATION	\$3.00	\$ 26,700.00
300	CY	EXCESS MATERIAL	\$4.00	\$ 1,200.00
8900	SY	FINE GRADE/COMPACT	\$1.00	\$ 8,900.00
	SY	Cold Plan 2"	\$2.70	\$ -
1285	L/FT	Sidewalk Rebuild with curb	\$45.00	\$ 57,825.00
	S/Y	Bit. Concrete sidewalk construction	\$45.00	\$ -
	L/FT	sawcutting (sidewalk)	\$1.00	\$ -
	Ton	Gravel (sidewalk)	\$24.00	\$ -
	Gal	TACK TRUCK	\$4.60	\$ -
742	TON	BITUMINOUS CONC. BINDER 2.5	\$80.00	\$ 59,360.00
742	TON	BITUMINOUS CONC. MACHINE TOP COURSE 2.5	\$80.00	\$ 59,360.00
	TON	BITUMINOUS CONC. LEVELING 1"	\$80.00	\$ -
80	TON	BITUMINOUS CONC. HANDWORK	\$150.00	\$ 12,000.00
	HR	2 POLICE DETAILS	\$46.77	\$ -
	CY	LOAM	\$20.00	\$ -
	SY	HYDRO-SEED	\$10.00	\$ -
	HR	Excavation and Removal around guardrail	\$120.00	\$ -
	EA	FRAME& GRATE/COVER	\$250.00	\$ -
800	LFT	Plastic or Cement 12" Pipe 12" installed	\$45.00	\$ 36,000.00
	EA	PRE CAST DRAINAGE LEACHING STRUCTURE INSTALLED	\$2,250.00	\$ -
900	LFT	Line Striping (Single center line Thermoplastic)	\$0.76	\$ 684.00
	EA	PRECAST HEADWALL	\$3,000.00	\$ -
	EA	4"-6" RIP RAP ROCK	\$1,000.00	\$ -
	HR	Grader (for patching)	\$90.00	\$ -
	HR	10-TON VIBRATOR ROLLER	\$120.00	\$ -
	HR	10 Wheel Truck	\$60.00	\$ -
	SY	CEMENT TRUCK (MIN. 4 YARDS)	\$110.00	\$ -
		ESTIMATED TOTAL		\$ 264,704.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024 - 300- 6	
Project Title:	Wampatuck Flooring Replacement
Category:	Furnishing
Department: SPS	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 <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

**Description:**

As part of the 2014 renovation, only a portion of the flooring has been replaced. The remaining tiles are original with the building (1957) and are in need of replacement.

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

Although not a problem at present there is the probability of mastic and removing this hot material will make a better school.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input checked="" 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 checked="" type="checkbox"/> Capital Stabilization	
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash	
Other	\$0						<input type="checkbox"/> Revolving Fund	
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</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						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
<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>	<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

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024-300-7	
Project Title:	Cushing Portico
Category:	Construction
Department:	SP5
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**Description:**

The portico in the front of the building is original with the school (1965) and despite maintenance and repairs over the years, is in need of replacement. For each snow storm, custodians must climb up and shovel it to ensure safety.

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

These are flat roofs and will need to be either repaired or replaced.

**Discuss Operating Budget Impact:**

Costs are TBD and will be based on the study that we are currently conducting.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0				TBD	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$0</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>\$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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024-300-8			
Project Title:	Small Gym HS		
Category:	Furnishing		
Department:	SP5	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 <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input checked="" type="checkbox"/>	Phase <u>2</u> of <u>2</u>	

**Description:**  
 The flooring is about 25 years old. They have been very well maintained over the years but the gym surface will need replacement to keep up with the constant use by sports teams nearly all year round. This would be for the Small HS gym floor.

**Benefits of Project and Impact if Not Completed:**  
 We have had to replace certain portions of this floor because of leaks.

**Discuss Operating Budget Impact:**  
 Repair and replace of certain portions. Eventually we are going to sand down to where we can't sand anymore and the only option will be replacing.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$225,000				\$225,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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: FY2021 - FY2025**

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

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

Project Number: 2025-300-9	
Project Title:	Main Floor HS Gym
Category:	Furnishing
Department:	SPS
Contact:	Paul Donlan

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [x]    Phase 1 of 2

**Description:**

The flooring for this gymnasium is original with the building which puts them at about 65 years old. They have been very well maintained over the years but the gym surface will need replacement to keep up with the constant use by sports teams nearly all year round. This would be for the Main HS gym floor.

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

Sanding has been done but needs to be done again. Only so much we can do. Constant use. We have repainted lines and replaced sections where soft spots were.

**Discuss Operating Budget Impact:**

Manpower and replacement are most of the costs. We do the coating every year before basketball.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$225,000					\$225,000	<input checked="" 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>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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: 10/31/16

Date of Last Edit:

Project Number: 2021-630-01  
 Project Title: Mlnot Beach Parkln  
 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 Mlnot 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-stripped 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	\$6.00	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>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 09/27/18

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

Project Number:	2022-159-03		
Project Title:	Scituate Community Television Studio Relocation		
Category:			
Department:	Cable Television	Contact:	Seth Pfeiffer

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New     Recurring     Resubmission

Multiyear     Phase \_\_\_ of \_\_\_

**Description:**

Scituate Community Television is looking to relocate its current main studios to a new location that would allow Scituate residents easy access to the studio, equipment, and media technologies. SCTV's current location within the Scituate High School does not allow for residents to visit on a regular basis. This prevents town residents from producing and creating content that would inform the entire town of Scituate.

A studio relocation would take three years and include a new studio (with set stage, three cameras, directors station, and lights), a editing suite (with four computers featuring editing technology), two offices (one for staff, one for equipment), and most importantly direct access to SCTV for Scituate residents.

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

A new studio location for SCTV that offers direct access for Scituate residents would result in a state of the art town that not only has knowledge of the latest media technologies but knows how to use it. In addition, Scituate residents would be able to create, produce, and share with the town their thoughts and opinions on all matters that directly impact all who visit the town of Scituate.

Without a new studio that offers direct access to Scituate residents, Scituate Community Television will certainly continue and exist, however vital information that can be provided from Scituate residents will either not be delivered in a timely or successful manner or not heard at all.

**Discuss Operating Budget Impact:**

Scituate Community Television's budget is independent of the town's budget and will not have a direct impact on community funding.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$200,000		\$100,000	\$100,000			<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$25,000		\$25,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input checked="" type="checkbox"/> Revolving Fund
TOTAL	\$225,000	\$0	\$125,000	\$100,000	\$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	\$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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/30/19

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

Project Number:	2021-661-01		
Project Title:	Widows Walk Improvements		
Category:	Construction		
Department:	Widows Walk	Contact:	Kevin Kelly/Bob Sanderson

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

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

**Description:**

Provide funds to perform renovations & improvements to Widow Walk Clubhouse. A design firm was hired in September 2019 to evaluate the clubhouse and present proposals for improvements to the site, parking area and clubhouse for less than \$1.5M. The financial cap was set to limit potential future debt service so as not to overtax the revenues of the facility.

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

Maintenance for the site and the clubhouse has largely been deferred as the course needed to make its debt service payments and was often under a spending freeze. Unfortunately, upon retirement of the debt, a severe drought negatively impacted the course resulting in deficits for two years which further delayed major improvements. The roof was replaced after storm damage in 2018 and the HVAC system was replaced as part of a capital project in 2018 and 2019. The course has no curb appeal which negatively impacts sales for players as well as possible restaurant patrons. Improvements to the facility's commercial kitchen would also allow for a more robust response to the restaurant lease offering.

**Discuss Operating Budget Impact:**

Debt service for any improvements would be supported by the golf course enterprise fund receipts so it needs to be an amount that is manageable should weather negatively affect revenues. There may be some additional maintenance contracts dependent on the types of improvements proposed (i.e. elevator/lift inspections, maintenance contracts).

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		2021	2022	2023	2024	2025		
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt	
Construction	\$1,450,000	\$1,450,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> W Walk Capital Stabilization	
Contingency	\$0						<input type="checkbox"/> Free Cash	
Other	\$0						<input type="checkbox"/> Revolving Fund	
<b>TOTAL</b>	<b>\$1,450,000</b>	<b>\$1,450,000</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>\$1,450,000</b>	<b>\$1,450,000</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					

# Town of Scituate

## Capital Plan Summary for Sewer

### 2021

1. **WWTP Assessment:** This assessment is a previous year's capital request that would allow the department to better plan for projects over the next ten years. This study will focus on screening and grit removal, influent pump performance, structural and architectural systems, preventative maintenance and modernization, and ensuring that facilities are up to code. The data gathered from this assessment will be critical in identifying the priorities of the department and organizing projects to maximize cost savings from preventative maintenance and upgrading inefficient equipment and systems. This assessment would be made redundant by the newly submitted, larger scope Facilities plan and Comprehensive Wastewater Management Plan. Amount requested is \$65,000
2. **WWTP Facilities plan and CWMP:** This project would replace the assessment requested in previous years. A complete facilities plan will provide the planning and direction needed to navigate and address issues around compliance with current and future pending permit, restore capacity to the WWTP, and how to best manage future capital projects to optimize costs and benefits for expanding and upgrading the plant for future flows and requirements. Amount requested: \$660,000
3. **Clarifier Launder Coating:** The existing effluent launder for the clarifiers is in poor condition. The concrete has been eroded down to loose stones that can easily break out and fall in the channel. In order to protect the equipment downstream and to prevent failure of the effluent launder, this project will restore the surface of the launder and provide a special material coating that is resilient against wastewater. The coating will also prevent growths from forming on the launder which will increase the quality of our effluent and provide better efficiency for, copper chemical addition (copper chemical is currently dosed directly into the effluent launder), filter efficiency, and UV disinfection. Amount requested: \$75,000
4. **I&I:** The Scituate sewer collection system is severely impacted by inflow and infiltration from rain, ocean, and groundwater. These erroneous flows take up capacity in the collection system and WWTP. This is a multi-year project to make various improvements to reduce I&I flows and perform studies to discover and prevent additional inflows. This request is separate from the large I+I project request; to address miscellaneous leaks outside the Oceanside project area. This request could also be used to support an amnesty program that the division intends to request as a means to assist and expedite repairs and replacement of clay private services. Amount requested each year is \$210,000
5. **Infiltration and Inflow Oceanside:** As shown by a recent CDM study, the department has serious issues with inflow and infiltration entering the collection system. These I/I flows limit the capacity of the system and create incredible strain on staff and wear and tear on equipment. DEP and EPA require communities invest in eliminating sources of I/I from their sewer facilities.



Eliminating I/I is becoming an increased priority for the department in order to ensure that proper capacity remains to complete the planned phases of sewer expansion. The project requested for FY21 will be for the Ocean Side Drive area and will allow the sewer repairs to be made alongside the water main repairs in this area to reduce overall cost to the Town. Amount requested is \$4,900,000

- 6. Sewer Main Inspection System:** Currently the division is dependent on outside contracting for sewer main inspections. The old inspection camera has failed and is obsolete. The old system ran off of a VHS player and also required a member of the staff to remain in a hazardous confined space to manually push the camera down the pipes. This replacement inspection system will allow us to inspect sewer mains without the need for a permitted confined space entry and will also dramatically improve the quality of inspections with better imaging, locating, and measurement tools and software. By avoiding the need for private inspection crews the cost for this equipment is expected to be recovered after approximately 25-35 uses. Amount requested is: \$102,500

## 2022

- 1. Clarifier Upgrade:** In August 2018 the division had an evaluation of its clarifiers. The study found that the center well of the clarifier could be upgraded to provide better treatment and reduce the likely hood of clarifier overflows during high flows. This project will replace the center wells on the three clarifiers and will also be used to address some of the components that reaching the end of their useful life. Amount requested: \$230,000
- 2. Automated Aeration Valves:** Existing aeration valves are in poor condition and result in improper air flow balancing. The Sewer Division is currently seeking energy efficiency grants to replace the main aeration blowers at the WWTP. These valves should be replaced to best capture the efficiencies of a new blower system. Existing valves can change position unexpectedly which results in wasted energy, overtime responses to correct problems, and damage to the blowers and motors from backpressure on the line. Amount requested: \$85,000
- 3. Laboratory Rehabilitation:** Existing equipment in the lab is reaching the end of its useful life. New methods and equipment exist that could reduce reagent use and testing costs. Maintaining lab services is necessary to meet permit requirements. Additional lab equipment may be needed to address new limits set in pending WWTP permit. Amount request: \$100,000
- 4. First Parish Pump Station Rehab:** The First Parish Pump Station is among the oldest pump stations in town and has not received any substantial upgrades since it was placed online. This station services three separate schools and the Town Hall. This project will provide funding to replace the pumps and other necessary equipment and to integrate the station with the WWTP SCADA system. The department attempted to obtain funding for replacing the pumps when the Gates Middle School was added to this station's collection system but did not receive any funding. Amount requested is: \$123,000

## 2023

1. **Replace #5-1 Ford Ranger:** Project will be to replace the 2010 Ford Ranger with a pickup truck furnished with a plow for snow removal and a crane for collection system maintenance. Current vehicle is showing signs of frame rot. Amount requested: \$53,346
2. **Sewer System Expansion:** This request is to set aside funds in order to complete remaining sewer system expansions. Currently there are three phases of sewer expansion left uncompleted. The amount requested here is to cover costs associated with phase V of the sewer expansion. Amount requested is \$12,000,000
3. **Structure Repairs:** This is a previous request that was intended to be paired with the previously requested WWTP assessment to repair structural issues discovered in the assessment study. The concrete structures at the treatment plant are showing signs that they need substantial repairs in order to prevent a situation where an emergency repair may be needed. Amount requested is \$250,000

## 2024

1. **Infiltration and Inflow Chain Pond Area:** As shown by a recent CDM study, the department has serious issues with inflow and infiltration entering the collection system. These I/I flows limit the capacity of the system and create incredible strain on staff and wear and tear on equipment. DEP and EPA require communities invest in eliminating sources of I/I from their sewer facilities. Eliminating I/I is becoming an increased priority for the department in order to ensure that proper capacity remains to complete the planned phases of sewer expansion. Amount requested is \$4,200,000
2. **Replace UV Disinfection System:** Existing UV system is reaching the end of its useful life. In August 2017 the UV system suffered an unexpected failure. The department has made substantial repairs to the existing system but over the next few years it is likely the system will begin to fail and in time will not be able to meet our permit requirement for disinfection. The amount requested is a placeholder while the department explores grant options and new technology for disinfection. The division recommends conducting a facilities plan prior to a UV replacement project. Amount requested: \$700,000
3. **Influent Upgrade:** The current influent headworks does not provide adequate removal of rags, grease, fats, grit, and other objectionable material. This deficiency leads to substantial wear and tear of equipment throughout the entire WWTP and incurs additional cleaning and maintenance costs. Current methods of grit removal are incredibly labor intensive and there are a number of new methods and technology that can achieve much higher rates of grit removal from our systems. The influent pumps are reaching their end of expected useful life and are not reaching the flow outputs they were designed for. The amount requested is a placeholder to be refined by the 2020 WWTP assessment. The existing influent systems are substantially overwhelmed during high flow events (coastal flooding). Repeated high flow events may stress systems to the point of failure. This is a previously submitted request, division recommends completing a facilities plan for the WWTP prior to designing influent upgrades. Amount: \$2,050,000

4. **RAS Capacity:** As part of the 2018 evaluation of the WWTP clarifiers we found a deficiency in return activated sludge pumping capacity. This project will provide funding to study the capacity flow problem and design a new series of pumps and pipes to achieve the recommended flow capacity. The division recommends that this project be delayed to occur after a facilities plan for the WWTP is complete. Amount requested is: \$360,000

## 2025

1. **Clarifier Replacement:** Existing clarifiers are showing signs of failure. While the bearing assemblies were recently replaced the support structures and lower assemblies are still original. The amount requested is a placeholder while the department explores options to upgrade the clarifiers in earlier projects to avoid failures that would require an entire replacement. The division recommends completing a facilities plan prior to considerations for new additional or replacement clarifiers. Amount: \$1,250,000
2. **Replace WWTP Generator:** The diesel generator at the WWTP is reaching the end of its useful life. New technology exists which would make the replacement generator more efficient. It is a DEP requirement to have an emergency standalone power source for the WWTP. The division recommends completing a facilities plan prior to planning the generator replacement. Amount requested: \$380,000
3. **Influent Pump Replacement:** This project will be to replace the influent pumps and piping. The influent pumps are beginning to reach the end of their expected use, while at the same time the Town continues to add more buildings to the sewer system and surge flows from storms are becoming more frequent and more severe. In order to facilitate the additional flows from planned expansion and to address the surge flows from weather events it will be necessary to upgrade the influent pumps and lines in order to facilitate the capacity needs of the system. This project will allow for increased capacity at the plant and reduce the risk of potential overflows during weather events. The amount requested is a placeholder to indicate need to substantial improvements if the facility is to expand the sewer collection system and to underscore the failing state of the existing influent pumps. This is a previous request that was intended to follow the FY20 requested WWTP assessment. The division recommends conducting a facilities plan to refine and better plan this project. Amount: \$1,630,000

**Future expansion plans:**

It is our goal to get the plant up and running to continue to provide reliable treatment of the Town's wastes, and to be able to handle the more frequent and severe weather events that impact system performance. The plant flows can be decreased by eliminating I/I which opens up the opportunity for additional flow. The flows to the WWTP exceed 80% of our permitted capacity (1.28 MGD) which is a trigger with the DEP and signals that the Town needs to start making arrangements to upgrade the facility to handle flows and prevent issues with the collection system. In recent years capacity at the WWTP has rapidly filled up. The facility is currently at 99.2% of its capacity and already approved developments in town put our flow projects at 104% capacity. It is critical that the department commit to projects to reduce and remove inflow and infiltration to avoid compliance issues with the facility's permit.

**Permit Renewal and plant upgrade:**

The permit duration for the WWTP ended in 2018. The department has already filed for a new permit and is operating off the existing permit until the EPA issues a new draft permit for review. The new permit may bring new challenges in the form of higher treatment standards and more frequent and vigorous testing. The WWTP has not been upgraded since 2000. Requirements in the new permit or a desire to provide additional sewer service to new areas of town may necessitate a future plant upgrade. Given the situation with plant capacity, an aging collection system, vulnerabilities identified in the recent municipal vulnerability study, and a pending new permit; the division strongly recommends conducting both a facilities plan for the WWTP and a Comprehensive Wastewater Management Plan to plan for capital improvements moving forward and how to best address the issues of concern mentioned above.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-19-19

Date of Last Edit: 9-18-19

Project Number:	2021-440-01
Project Title:	Facilities Plan
Category:	Design
Department: DPW Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase - Final

**Description:**

Conduct a facilities plan for the WWTP and comprehensive wastewater management plan (CWMP). Costs broken down over two years with FY21 showing amount requested to conduct a facilities plan and preliminary CWMP study and FY22 request supporting complete CWMP.

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

WWTP permit is currently under review and we are awaiting a new permit from the EPA. The WWTP and portions of the collection system have reach capacity and planning needs to take place to navigate current challenges and plan for future goals and situations. There are many large improvement requests in the capital plan for improvements at the WWTP, a facilities plan should be conducted prior to arranging for those projects. The WWTP has also recently undergone a municipal vulnerability preparedness study and long term planning needs to take into account the vulnerabilities identified with that study.

**Discuss Operating Budget Impact:**

This project would be in lieu of the previously requested Assessment of the WWTP. Planning will reduce overall long term costs and the Sewer Division navigates the transition to a new permit, compliance with copper and inflow and infiltration issues, and maintaining existing or expanding sewer services.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025	<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Study/Design	\$600,000	\$600,000					<input checked="" type="checkbox"/>	<input type="checkbox"/>
Land Acquisition	\$0						<input checked="" type="checkbox"/>	<input type="checkbox"/>
Construction	\$0						<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment/Furnishings	\$0						<input type="checkbox"/>	<input type="checkbox"/>
Contingency	\$60,000	\$60,000					<input type="checkbox"/>	<input type="checkbox"/>
Other	\$0						<input type="checkbox"/>	<input type="checkbox"/>
<b>TOTAL</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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



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:





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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  
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#### **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.



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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



**From:** [Paulin, Michael](#)  
**To:** [William Branton](#)  
**Date:** Tuesday, September 17, 2019 5:24:40 PM  
**Attachments:** [image001.png](#)

---

Will,

Following up on our phone conversation from yesterday, I spoke briefly with some of our in-house staff about an estimated planning level cost to update the WWTF Facilities Plan/Comprehensive Wastewater Management Plan (CWMP). On short notice and without getting further into the details and needs – the cost of an updated CWMP could range from \$300k up to \$500k (we just submitted a CWMP update proposal for a much smaller plant in Nantucket, and the estimated cost is approximately \$600k) – especially if the update will also include the collection system, and not only the WWTF. A general Engineering Assessment of the WWTF would likely be in the range of \$100k, but for an updated CWMP – the cost would likely be in that \$300-500k range. The general CWMP update scope would include a comprehensive review of the treatment facility, assessment of existing conditions, identification of project needs, identification and screening of alternatives, alternatives analysis, recommended plan of action, and a financing and implementation plan.

Hopefully that helps – best of luck with the Septage Receiving upgrades project, keep me posted on the Cedar Point project and the next phase of the SCADA Upgrades at the Plant – if there is anything we can do to keep those projects moving or help you out at all.

Thanks,  
Mike

**Michael E. Paulin, P.E.**  
SENIOR PROJECT MANAGER  
office: 978-532-1900 ext. 2373  
direct: 978-573-4057  
cell: 978-239-7195

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Weston & Sampson (*We've Moved!*)  
55 Walkers Brook Drive, Suite 100 | Reading, MA 01867  
tel: 978-532-1900  
[westonandsampson.com](http://westonandsampson.com)

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-19-2019 Date of Last Edit: 9-19-2019

Project Number:	2021-440-02		
Project Title:	Clarifier Launder Coating		
Category:	Construction		
Department: DPW Sewer	Contact:	William Branton	
Project Is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase - Final	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

Prepare and restore surface for clarifier effluent launder and apply a surface coating to protect structure and enhance operation of the channel. Quote provided has a full description of services, quoted price only covers one clarifier, there are three clarifiers total.

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

This project will benefit the division by maintaining the currently degraded effluent launder. The current concrete is eaten away and is down to loose stones that can come lose. Stones and debris lose from the channel end up in our pumps down stream and damage the pumps. Should the effluent launder fail it would require the entire clarifier to be put offline. These clarifiers are not redundant and we can not maintain our process should one fail.

The surface coating will also provide a surface that will prevent growths forming on the channel. Concrete due to its porous nature offers a medium for growths to develop. These growths adversely affect our effluent quality and requires constant labor to remove growths from the launder each week.

**Discuss Operating Budget Impact:**

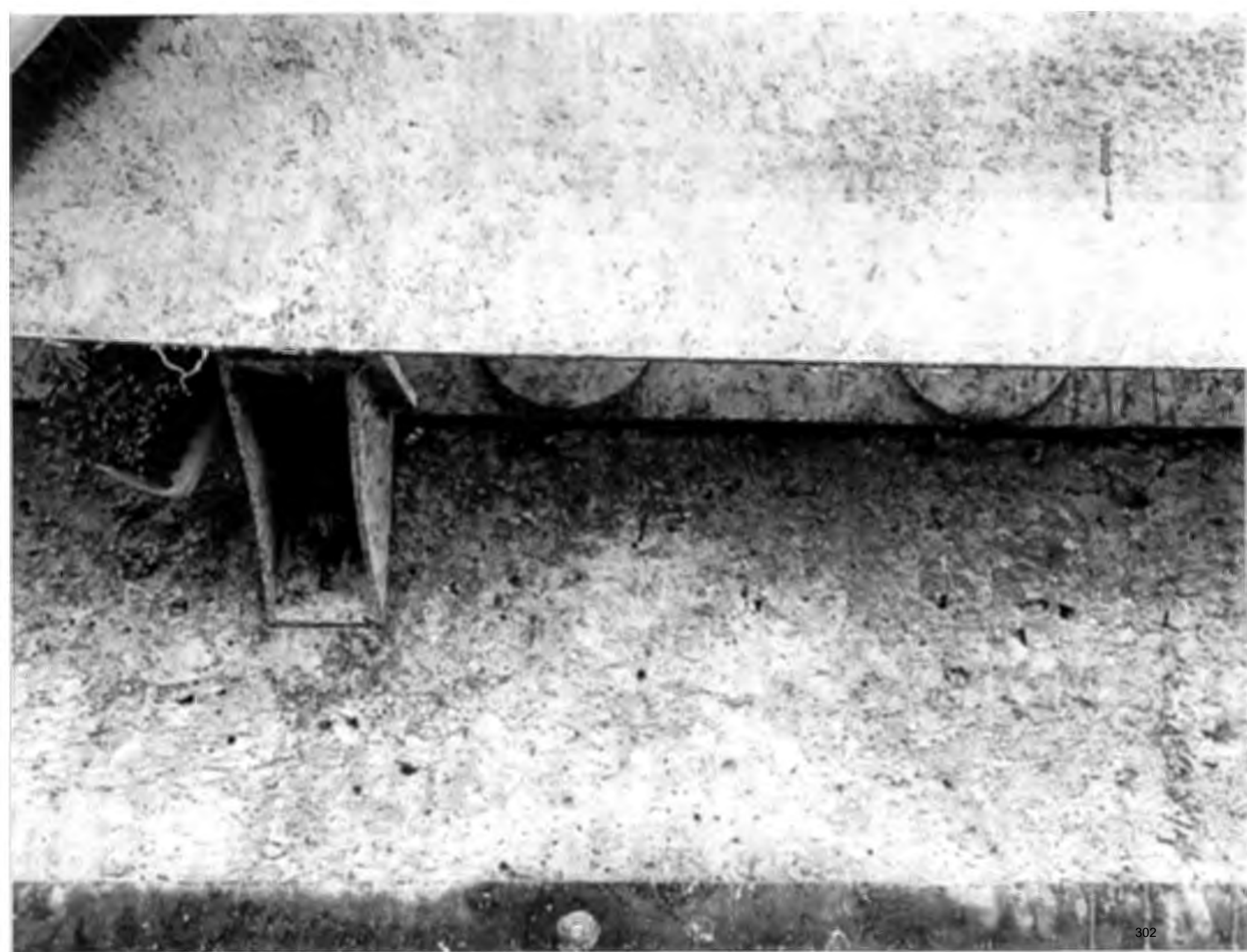
Short term costs impacts are moderate; we expect a slight reduction in copper chemical use by eliminating growths on the clarifier. (Our copper chemical is dosed directly into the clarifier effluent launder) Currently about four hours a week is spent by department staff in removing growths from the clarifiers, this labor power could be redirected to support other needed maintenance projects.

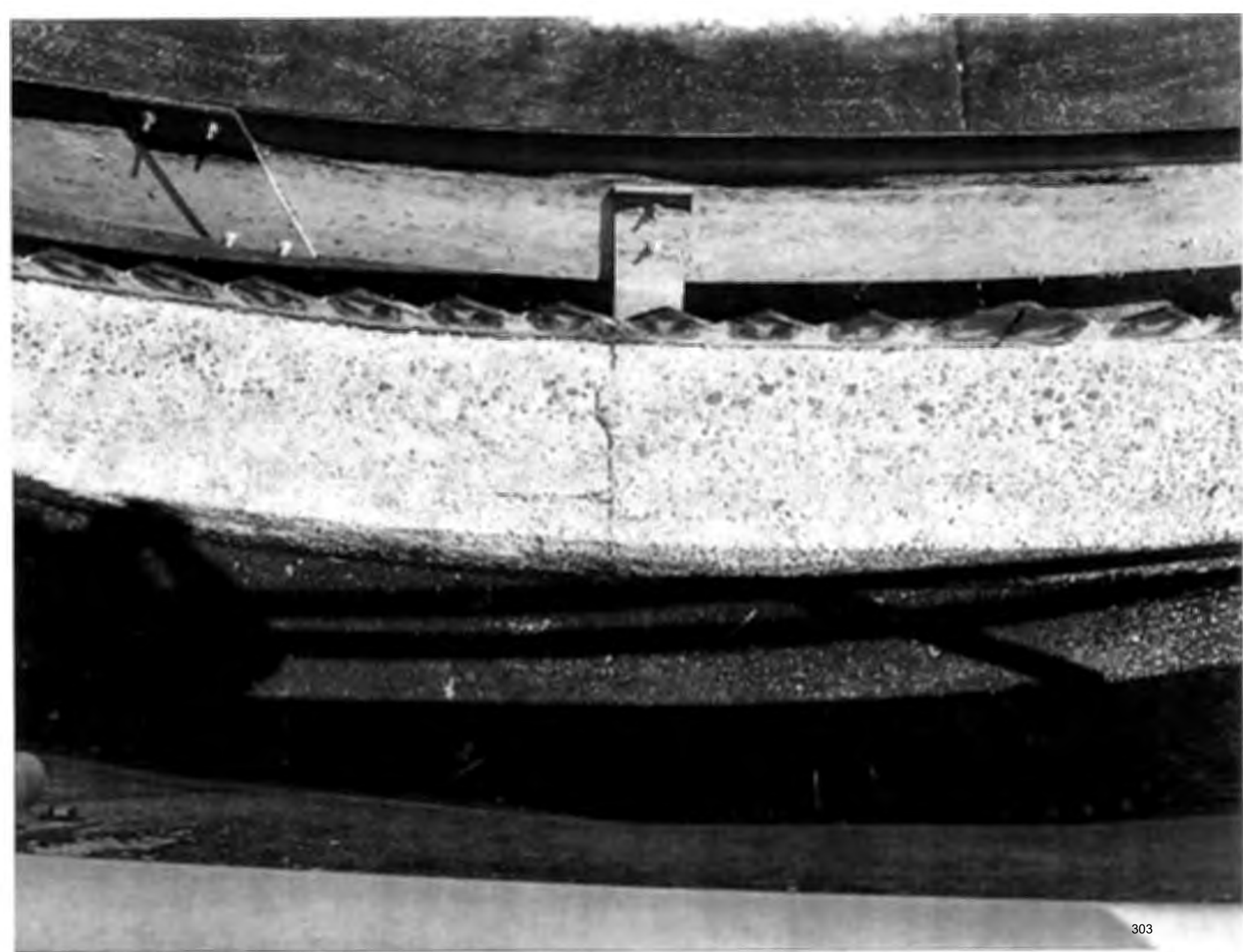
Long term we will be avoiding a potential failure of the effluent launder. Costs to restore the surface as-is is substantially less than expected cost to reconstruct the channel.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$67,833	\$67,833					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$7,167	\$7,167					<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$75,000</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

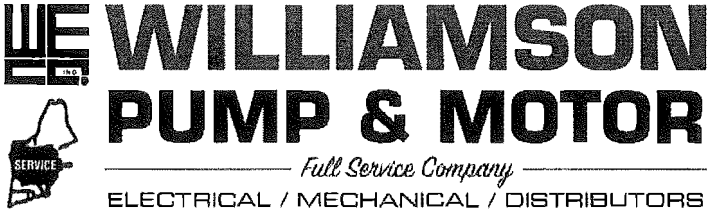
Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply <input type="checkbox"/> Open Space <input type="checkbox"/> Recreation <input type="checkbox"/> Historical <input type="checkbox"/> Housing
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$75,000</b>	<b>\$75,000</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						











**Corporate Headquarters & Distribution Center**

25 Griffin Way, Chelsea MA 02150

**Branch Locations**

352 Allen Street, New Britain CT 06053

366 Hill Street, Biddeford ME 04005

September 15, 2019

Town of Scituate DPW  
600 Chief Justice Cushing Way  
Scituate, MA 02066

Attn: William Brandon  
[wbranton@scituatema.gov](mailto:wbranton@scituatema.gov)

We are pleased to quote the cleaning, inspection, repair and application of 150mils of Spraywall protective polyurethane technology at Town of Scituate WWTF;

**SOW**

- 49' diameter clarifier
- Pressure wash and prep lauder approximately 15" w x 2' h x 9"
- Clarifier distribution box
- Prep the lauder surfaces with pressure washing, walls, where necessary shall be repaired with V-100 grout material, smooth for adhesion of the Spraywall polyurethane material.
- Inspect and photo document after cleaning.
- Heat and drying of interior structure for the application of Spraywall, apply 150 mils material, floors, walls & ceiling.
- WECO shall supply all related safety equipment, confined space, ventilation and personnel communication equipment required to complete this project.
- By others – access to the proposed application area within 100' of equipment truck, traffic plans or police details or any bypass equipment.

Total job

**\$22,611.00**

Lead time is 2 – 3 weeks from PO. Terms, 25% with PO and Balance due net 15days from completion date

Spraywall is a 100% polyurethane liner specifically designed for water and wastewater structures for long, 50 yr. design life with exceptional corrosion control management. Spraywall is supplied and applied by Williamson Pump & Motor's Sprayroq authorized and trained applicators.

**Taxes:** taxes are not included in this proposal. Please supply the tax-exempt certificate for this project.

**Terms:** With receipt of signed proposal, 25% deposit, 75% on completion of Sprayroq application.

Overdue accounts shall be charged a late charge at the rate of 1.5% per month, or 18 % per annum.

**Submittals:** 1 week from receipts of PO, signed proposal or signed contract

**Delivery:** 1- 2 weeks

**Site Conditions:** Site must be accessible to Williamson's utility crane truck to within 30' of the existing wet well.

**Structure dry:** Prior to entering a structure, the structure must be pumped down, be dry, free of all dirt and debris prior to the start of scheduling of work. 24hr verification of the cleanliness of the MH's is required (site photo). Any foreign debris or tank pumping is required by Williamson technicians, cost will apply. Incurred costs will be charged at the job rated wages for time and material times plus 20%.

**Job site access:** Site must be free and clear of all construction debris and accessible by Williamson equipment and service vehicles. Delays due to site inaccessibility will be charged to the contractor or owner

Williamson Pump & Motor is fully insured, and OSHA equipped for confined space entry. We offer 24-hour emergency service seven days a week and warranty materials and workmanship for one year from date of installation.

We appreciate the opportunity to provide this quote, if you have any questions, please call me anytime at 617-884-9200.

Town of Scituate

Sincerely,

Russ Clark  
Sales Manager  
Williamson Pump & Motor

Name \_\_\_\_\_  
Date \_\_\_\_\_  
Title \_\_\_\_\_  
P.O. \_\_\_\_\_







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number:	2021-440-02		
Project Title:	I & I Oceanside 2021		
Category:			
Department:	Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  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 21 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:**

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.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2020	FY2021	FY2022	FY2023	FY2024
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>\$0</b>	<b>\$4,900,000</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>\$4,900,000</b>	<b>\$0</b>	<b>\$4,900,000</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**

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**

Inflow Subarea Rank	Sub Area	Volume Event Net Inflow (gal)	Volume Event Direct Net Inflow (gal)	Volume Event Indirect Net Inflow (gal)	Inch-Miles (in-mi)	Inflow Severity (g/in-mi)	Cumulative Inflow Volume Event (gal)	Cumulative Inflow Volume Event (%)
1	2-2	183,250	58,315	125,385	7.56	24,316	183,250	9%
2	6-2	852,670	82,162	289,362	32.10	48,364	1,035,920	25%
3	1-1	240,670	6,688	207,022	21.28	9,892	1,282,990	35%
4	1-2	201,248	5,113	196,235	23.41	8,375	1,479,235	45%
5	1-3	157,982	38,618	123,346	34.63	3,584	1,602,821	67%
6	1-4	307,152	77,789	229,363	77.25	2,967	1,832,184	76%
7	7-2	129,887	76,877	53,016	38.59	1,372	1,961,301	87%
8	2-1	214,212	36,356	177,856	47.74	4,487	1,934,179	93%
9	3-1	102,209	85,342	16,867	49.54	2,063	2,036,388	98%
10	7-1	23,948	4,795	19,152	14.09	1,700	2,060,335	99%
11	2-2	10,412	5,063	5,348	7.60	1,370	2,070,747	99%
12	8-1	10,923	5,871	5,052	14.98	729	2,081,670	100%

System Total	2,081,670	366,413	1,715,257					
		17.60%	82.48%					

Notes:

Shading denotes areas recommended for further evaluation.

TABLE 1  
TOWN OF SCITUATE  
FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO  
INFLOW RANKING FOR MARCH 14 AND 15, 2016 STORM BY SUB-AREA



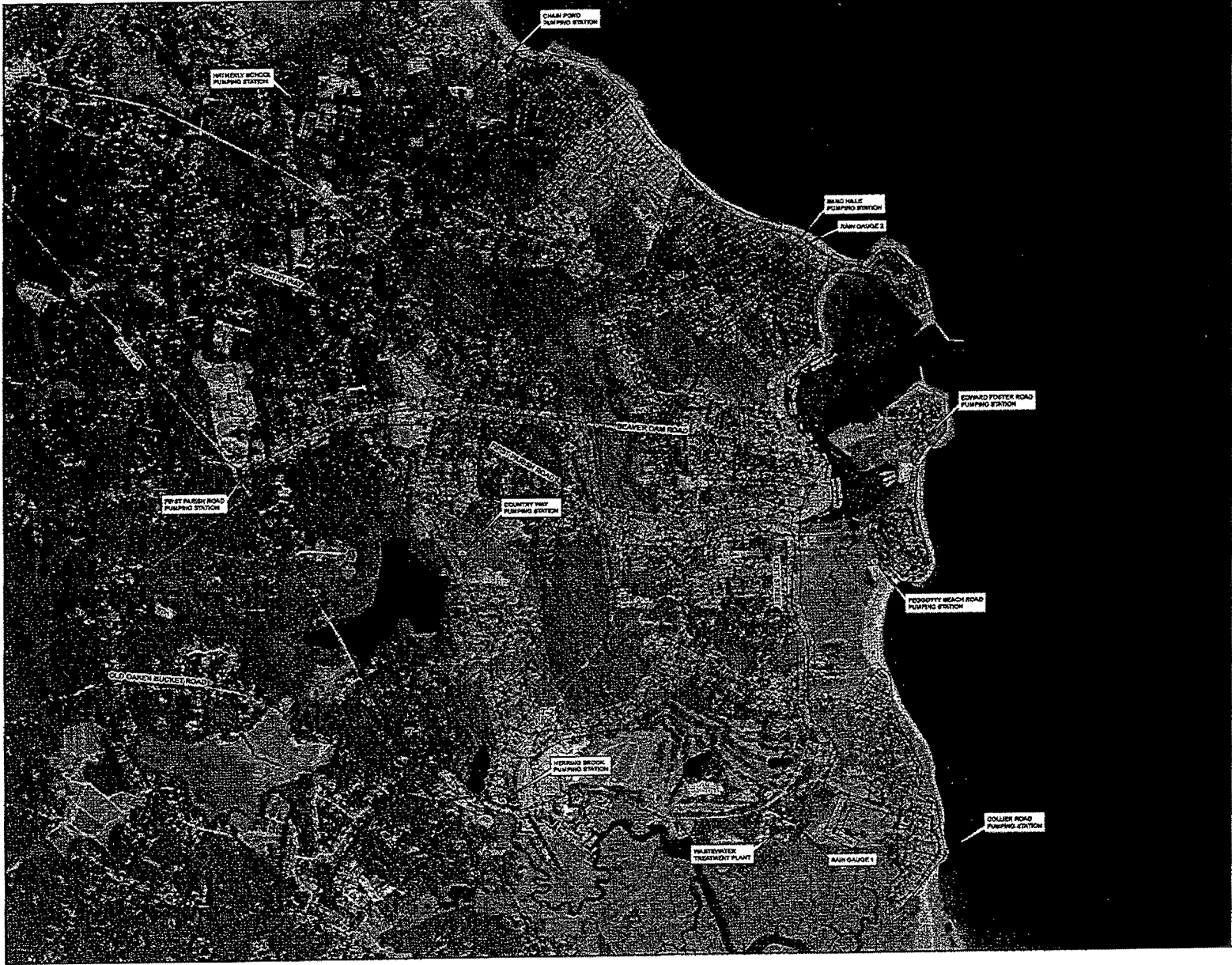
Infiltration Subarea Rank	Subarea	Length (LF)	Inch- Miles (in-mi)	Gross Infiltration (gpd)	Net Infiltration (gpd)	Infiltration Severity (gpd/in-mi)
6	3-1	18,930	49.54	669,981	81,991	1,655
7	5-2	15,999	31.64	220,625	46,662	1,475
8	7-1	9,298	14.09	19,039	19,039	1,351
9	1-1	29,971	77.25	959,768	81,977	1,061
10	7-2	20,190	30.59	31,368	31,368	1,025
11	2-2	5,015	7.60	7,791	7,791	1,025
12	8-1	9,889	14.98	368	368	25

SYSTEM TOTAL = 1,010,174 gpd

**Notes:**

Shading denotes areas recommended for further evaluation.  
 The net infiltration results are calculated from all dry weather days during the metering program.

TABLE 2  
 TOWN OF SCITUATE  
 FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO  
 INFILTRATION QUANTITIES AND SEVERITY RANKING (AVERAGE)





















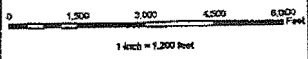
**Town of Scituate  
Massachusetts**

**Figure 5  
W/I Priority Areas**

Updated:  
July 2016

**Legend**

-  High Priority Remediation Area
-  Low Priority Remediation Area
-  Meter Station
-  Rain Gauge
-  Wastewater Treatment Plant
-  Pumping Station
-  Sewer Manhole
-  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: FY2021 - FY2025**

Date submitted: 9-19-19

Date of Last Edit: 9-19-19

Project Number:	2021-440-03		
Project Title:	Sewer Main Inspection System		
Category:	Equipment & Parts		
Department:	DPW Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase - Final

**Description:**

Provide inspection system for viewing and recording conditions of sewer mains. The permit for the wastewater plant requires the town to take steps towards identifying and repairing or replacing issues in the collection system, currently we have no way to inspect sewer mains with department equipment and staff. The department intends to apply for liability grants to reduce capital costs.

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

Benefits are reduced liability for the town for unexpected pipe collapses, service interruptions, and backups into private property from the Town's line by giving our department the ability to inspect mains for problems and develop a preventative maintenance plan. Benefits also include reduced liability for town staff; the camera system can be lowered and raised from the sewer mains without the need for a permitted confined space entry, this system can also be operated from above ground via a tethered cord to a control box meaning we will no longer need to have a person in a hazardous confined space for extended periods to conduct inspections.

**Discuss Operating Budget Impact:**

We currently have no means by which to inspect sewer mains, the old inspection equipment has failed and needs to be replaced. Cost for equipment will be recovered after approximately 25-35 uses by avoiding the need to hire private inspection crews.

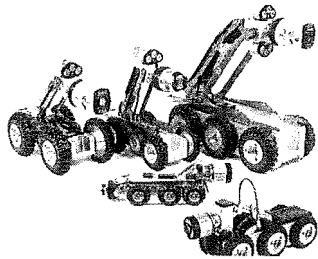
**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Land Acquisition	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	<input checked="" type="checkbox"/> Capital Stabilization
Construction	\$0						<input type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Equipment/Furnishings	\$77,181	\$77,181					<input type="checkbox"/> CPA	<input checked="" type="checkbox"/> Grant(s) or Other
Contingency	\$9,479	\$9,479						
Other	\$15,840	\$15,840						
<b>TOTAL</b>	<b>\$102,500</b>	<b>\$102,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

								CPA Purpose(s) Check all that apply
Grant Amount Requested	\$0							<input type="checkbox"/> Open Space
CPA Amount Requested	\$0							<input type="checkbox"/> Recreation
Net of CPA and Grants	\$102,500	\$102,500	\$0	\$0	\$0	\$0		<input type="checkbox"/> Historical
								<input type="checkbox"/> Housing

**Operating Budget Impact**

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



# ESTIMATE

**Underground Inspection Technologies**  
 10 Lowell Street  
 Billerica, Massachusetts 01862  
 United States

(978)447-3605  
 www.undergroundinspectiontechnologies.com

**BILL TO**  
**Town of Scituate Sewer Dept.**  
 william Branton  
 161 driftway  
 scituate, Massachusetts 02066  
 United States

781-545-8736  
 wbranton@scituatema.gov

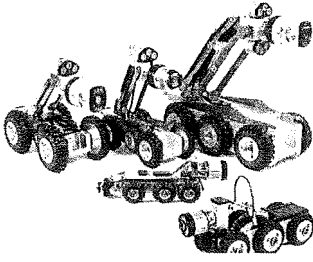
**Estimate Number:** 1158

**Estimate Date:** September 16, 2019

**Expires On:** October 16, 2019

**Grand Total (USD):** \$77,181.00

Items	Quantity	Price	Amount
<b>Controller MC:CCU208</b> "Control Unit: Digital Control Unit, twin joysticks, crawler cruise control, MPEG4 recording, jpeg still image capture, intuitive hot keys, SD card and USB, internal battery for viewing and copying on the move, very low power consumption (24vdc @5amps). Can be run from mains or directly from a battery bank. Serial RS232 and 2 x Video outputs and Pro Pipe Plus reporting software installed as standard."	1	\$11,830.00	\$11,830.00
<b>MC:LCP05</b> 5M LINK CABLE - PROTEUS	1	\$335.00	\$335.00
<b>PKP01-OS</b> PRESSURE TEST KIT - Does Not Include CO2 Gas Canister	1	\$640.00	\$640.00
<b>88100Z</b> Cannister CO2 - 74g - 5/8 Thread	2	\$17.00	\$34.00
<b>CGP01 downhole roller guide</b> "Cable Guide Pulley: Lower manhole roller features a roller system to help prevent the cable from damage when entering into the pipe. It should be attached to the manhole and is supplied with a rope for fastening."	1	\$658.00	\$658.00
<b>RAP200</b> "820 Foot Motorized Reel (No Cable): Cable not included. Self-layering to keep the cable neat and tidy. Removable drip tray. Motorized cable in/out. Can also be mounted to the portable cart."	1	\$15,700.00	\$15,700.00

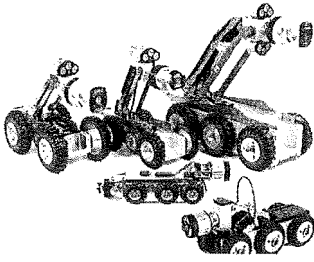


# ESTIMATE

**Underground Inspection Technologies**  
 10 Lowell Street  
 Billerica, Massachusetts 01862  
 United States

(978)447-3605  
[www.undergroundinspectiontechnologies.com](http://www.undergroundinspectiontechnologies.com)

Items	Quantity	Price	Amount
<b>CGP200</b> "Adjustable Cable Guide Roller for 820' Reels: Fully adjustable (5 positions) cable guide roller for 656' or 1,000' motorized or manual reels. Ideal for portable or truck mounted units to help reduce friction for smooth pay off and retrieval. Features a replaceable brush strip to help remove dirt and debris from the cable when rewinding."	1	\$1,120.00	\$1,120.00
<b>CRP140</b> 140MM PROTEUS CRAWLER - STEERABLE 6- WHEEL DRIVE, MOTORIZED LIFT ASSY., INCLINATION SENSOR, TILT SENSOR AND SONDE TRANSMITTER	1	\$18,315.00	\$18,315.00
<b>QRW115/150</b> Black Rubber- For use with CRP150 in Pipes 8 to 12" (each, 4 required)	4	\$232.00	\$928.00
<b>QRW115CB/150</b> 115MM CARBIDE QUICK RELEASE WHEEL FOR CRP140/150	4	\$445.00	\$1,780.00
<b>QRW90CB/150</b> 90MM CARBIDE QUICK RELEASE WHEEL FOR CRP140/150	4	\$385.00	\$1,540.00
<b>QRW90HG/150</b> 90MM HIGH GRIP QUICK RELEASE WHEEL - CRP140/150	4	\$240.00	\$960.00
<b>CAM028</b> "Pan & Rotate + Zoom Camera Head With Laser Measurement: High resolution camera module with 120x zoom (10 x Optical, 12 x Digital). Extremely powerful LED lighting, twin lasers, pipe diameter measuring sensor, auto/ manual focus, pressurised, endless rotation, +/- 135° pan, pressure rated to 1 bar."	1	\$17,858.00	\$17,858.00
<b>ALB300</b> "Auxiliary Lights & Backeye Camera: Extremely powerful LED light. Features a colour rear view camera to aid crawler reversing. For use with CRP150 and CRP300 crawlers."	1	\$2,683.00	\$2,683.00



# ESTIMATE

**Underground Inspection Technologies**  
 10 Lowell Street  
 Billerica, Massachusetts 01862  
 United States

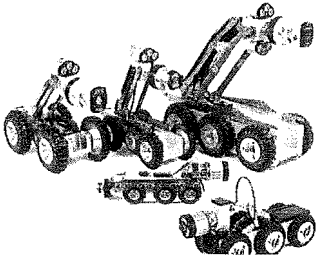
(978)447-3605  
[www.undergroundinspectiontechnologies.com](http://www.undergroundinspectiontechnologies.com)

Items	Quantity	Price	Amount
<b>CAP250</b> 820 Foot Spare Inspection Cable	1	\$5,300.00	\$5,300.00
<b>Training</b> Training as needed is included	1	\$0.00	\$0.00
<b>Shipping</b> Shipment cost to your location	1	\$0.00	\$0.00
<b>Bundle discount</b> All equipment purchased together	1	(\$2,500.00)	(\$2,500.00)
		<b>Total:</b>	<b>\$77,181.00</b>
		<b>Grand Total (USD):</b>	<b>\$77,181.00</b>

**Notes**

No warranties are made other than those extended by the manufacturer of the equipment, and in the event of alleged breach of warranty, expressed or implied, the liability of Underground Inspection Technologies LLC., shall be limited to the liability of the manufacturer to it, and shall be subject to all limitations and conditions imposed by the manufacturer.  
 Seller shall not be liable for any default or delay in delivery, as a result of shipping delays, strikes, fires, lockouts, or inability to procure materials.

does not include any applicable taxes



# ESTIMATE

**Underground Inspection Technologies**  
 10 Lowell Street  
 Billerica, Massachusetts 01862  
 United States

(978)447-3605  
 www.undergroundinspectiontechnologies.com

**BILL TO**  
**Town of Scituate Sewer Dept.**  
 william Branton  
 161 driftway  
 scituate, Massachusetts 02066  
 United States

781-545-8736  
 wbranton@scituatema.gov

**Estimate Number:** 1162

**Estimate Date:** September 16, 2019

**Expires On:** September 16, 2019

**Grand Total (USD):** \$15,840.00

Items	Quantity	Price	Amount
<b>PIELOGIX:GIS</b> PipeLogix GIS Module	1	\$2,540.00	\$2,540.00
<b>PIPELOGIX:DVS</b> PipeLogix DVS Video Recording Module	1	\$4,500.00	\$4,500.00
<b>PipeLogix Full Reporting License</b> Advanced functions in addition to Lite capabilities include: asset editors, caption editor, paragraph editor, batch printing including saving as PDF, filter, and administration program.	1	\$8,800.00	\$8,800.00
<b>Total:</b>			\$15,840.00
<b>Grand Total (USD):</b>			<b>\$15,840.00</b>

**Notes**

No warranties are made other than those extended by the manufacturer of the equipment, and in the event of alleged breach of warranty, expressed or implied, the liability of Underground Inspection Technologies LLC., shall be limited to the liability of the manufacturer to it, and shall be subject to all limitations and conditions imposed by the manufacturer.  
 Seller shall not be liable for any default or delay in delivery, as a result of shipping delays, strikes, fires, lockouts, or inability to procure materials.

does not include any applicable taxes



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9-19-2019 Date of Last Edit: 9-18-2019

Project Number:	2022-440-03		
Project Title:	Clarifier Upgrade		
Category:	Equipment Parts		
Department:	Sewer	Contact:	William Branton
Project is:	New <input checked="" 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:

In August 2018 the Sewer Division had an evaluation done on it's secondary clarifiers. The evaluation found two significant performance-limiting factors: 1. Major lack of RAS pumping capacity 2. absence of an optimum center well to disperse solids and flows. This project will provide funding for the division to replace its clarifier center wells.

Benefits of Project and Impact if Not Completed:

This upgrade would prevent or reduce the severity of high flow events on the WWTP. Upgrading the clarifiers would prevent or reduce the risk of the clarifiers overflowing solids into the next stages of treatment. When the clarifiers overflow it can cause damage to equipment and impair other treatment systems like the disinfection stage from operating properly.

Discuss Operating Budget Impact:

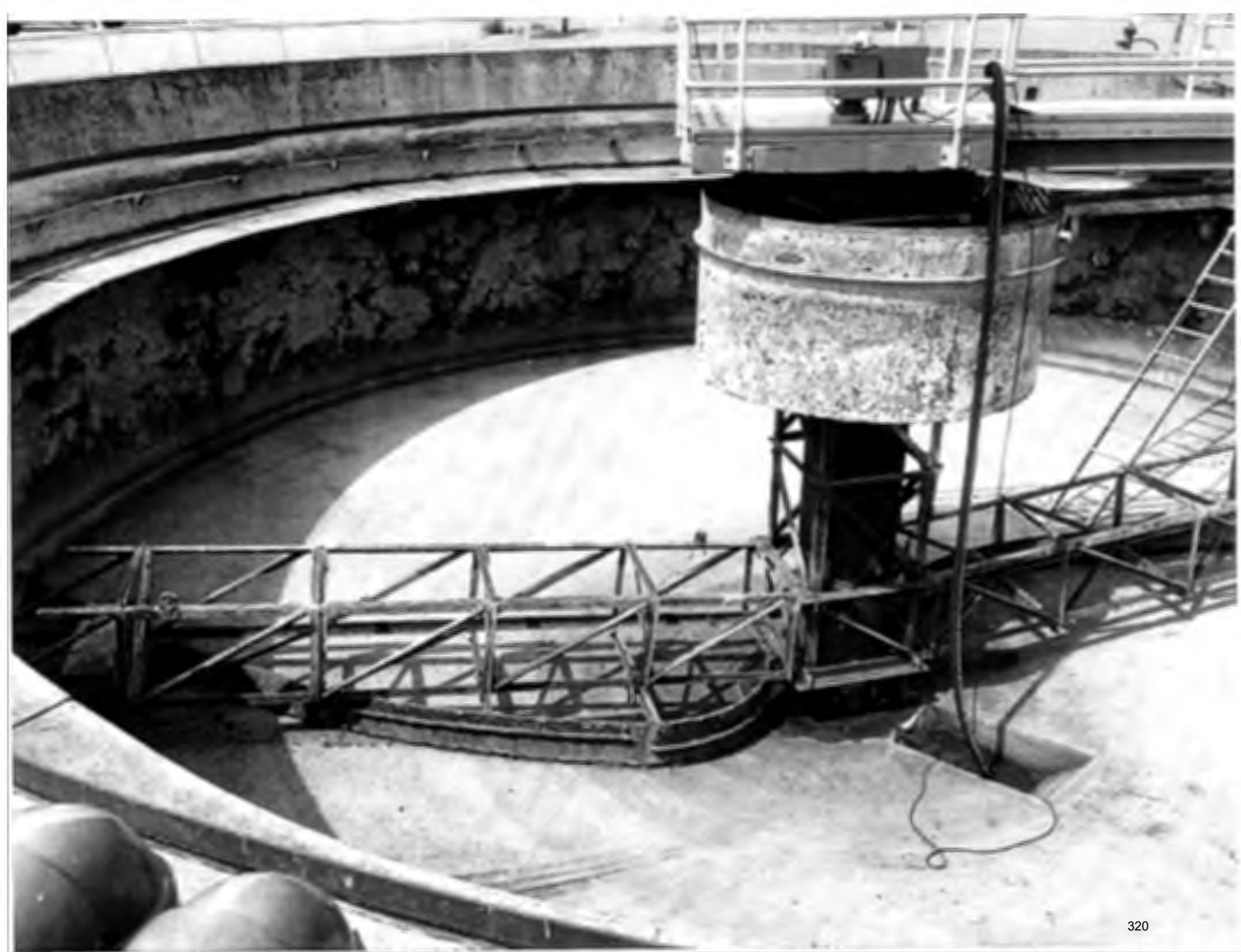
Upgrading the clarifiers will allow the WWTP to build out the collection system to connect additional properties without overwhelming this stage of treatment.

Multiple high flow events happen each year, during these events the WWTP suffers greater wear and tear on equipment and needs to staff the facility during off hours to constantly make adjustments to avoid the clarifiers overflowing. When the clarifiers overflow their solids it can substantially damage equipment and treatment processes down the line. Recovering these treatment processes and repairing equipment during these events requires a substantial amount of overtime during difficult weather conditions.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$50,000		\$50,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$140,250		\$140,250				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$39,750		\$39,750				<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$230,000</b>	<b>\$0</b>	<b>\$230,000</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	\$230,000	\$0	\$230,000	\$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





**From:** [Alan Houtz](#)  
**To:** [William Branton](#)  
**Cc:** [John K. Esler, P.E., President, Clarifier Performance Evaluations, Inc.;](#) [Jim Weidler;](#) [Mojj](#)  
**Date:** Wednesday, September 26, 2018 10:10:44 AM  
**Attachments:** [image001.png](#)  
[image004.png](#)

---

Hi Will,

As we discussed yesterday, I've put together some "order of magnitude" budgetary pricing for your LA-EDI wells.

This pricing is based on the drawing John forwarded me, and includes the wells constructed of prime painted carbon steel, engineering, freight, and the necessary royalties.

Total cost for both wells will be \$46,750.00

Field service would charge at \$1,500.00 per day portal to portal plus all travel and living expenses.

Let me know if you have questions or need anything else

Sincerely,



Alan E. Houtz  
Sales Manager – Municipal Products  
Kusters Water  
a Division of Kusters Zima Corp  
O. 864-208-9043  
C. 864-641-5168  
C. 262-443-6788  
[Alan.Houtz@kusterszima.com](mailto:Alan.Houtz@kusterszima.com)  
[www.kusterswater.com](http://www.kusterswater.com)

**Visit KUSTERS WATER at booth # 3306**



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## I. PROJECT OBJECTIVES

The Town of Scituate Municipal Wastewater Authority's (SMWA) Treatment Plant (WWTP) is an extended aeration activated sludge facility. This plant consists of preliminary (screening and grit removal), an activated sludge process with multiple aeration basins and three secondary clarifiers. The process is designed to nitrify and denitrify, and add dissolve oxygen before discharge.

The present plant, with three clarifiers in operation, was designed to treat a peak daily flow of 4.34 million gallons per day (mgd) and an average annual design flow of 1.66 mgd. The current average daily flow is approximately 1.3 mgd.

The primary objective of this field study was to evaluate the hydraulic performance characteristics of a secondary clarifier while operating at both normal and elevated flow rates and solids loadings. This evaluation was to help assess the capacity of the clarifiers and determine (a) their present performance characteristics and (b) the potential for any additional modifications that could improve their performance and reliability under current permit conditions and future operating conditions.

In order to accomplish these objectives, the field investigation was designed to accomplish the following major findings for the secondary clarifiers:

1. Develop flow curves and determine the hydraulic characteristics and actual detention times for the test clarifier #1 at predetermined flows.
2. At the initial flow rate, determine the location and intensity of the major and minor currents by conducting drogue current tests.
3. Also at this flow rate, determine and monitor the formation and movement of the sludge blankets.
4. Then, to the extent possible, at an elevated surface overflow flow (SOR) rate, repeat the same tests to again to determine:
  - o the hydraulic characteristics and detention times,
  - o the location and intensity of the currents, and
  - o formation of the sludge blankets
5. Based on these tests and other observations, assess the capacity of this clarifier and recommend any modifications to improve its performance and the capacity of the clarification system.

## II. DESCRIPTION OF THE CLARIFIERS

### A. General Description – Secondary Clarifiers FC-1; FC-2; FC-3:

There are three identical secondary clarifiers; ref Plant Layout Figure A1. These tests focused on Clarifier #1

#### 1. General Clarifier Configuration

The secondary clarifiers are circular with spiral sludge collectors. Each clarifier is 45-ft in diameter. The sidewater depth is approximately 12-ft, sloping to 14-ft at the center.

The influent to each clarifier is via standard 7-ft diameter centerwell; the effluent is via a single perimeter launder with a standard v-notch weir. There is also a horizontal baffle attached to the outer wall and located about two feet below the water surface.

## III. THE CLARIFICATION PROCESS

The secondary clarifier is often the most critical link in the biological wastewater treatment process. Its main function is to separate the activated sludge solids from the treated effluent and to allow the clarified effluent to pass on to the point of discharge. As an additional function, the clarifier is sometimes used to thicken and store the settled activated sludge solids in order to minimize sludge wasting volume and reduce return sludge flow rates.

Although many designs assume that a clarifier is a "plug flow" reactor, and that it has a defined detention time (based on its volume) to effectively accomplish these functions, studies have shown that clarifier flow patterns are often more like those of an "arbitrary-flow", or, "mixed-flow" reactor. This is particularly true in the case of clarifiers treating a wastewater with a mass of flocculent suspended solids. In all cases, the clarifier's efficiency is affected by the formation of various hydraulic currents. These currents can impair a clarifier's effectiveness and greatly reduce a clarifier's ability to separate and thicken the flocculent activated sludge solids from the wastewater.

## IV. LOCATING CURRENTS: Use of Drogue Current Tests:

The currents in a clarifier often vary considerably by depth and by distance from the influent point. In order to locate and quantify these currents, we use a type of "flow catcher" called a "drogue". This drogue is constructed to drift with the current at whatever depth and location the drogue is suspended at. This drogue test accurately delineates the movements of the clarifier's currents in the horizontal plane. The drogue for these tests was launched from the walkway at about 8-ft from the center of the clarifier.

## V. DISCUSSION OF OTHER TESTS

### A. Clarifier Test Flow Rates:

In order to determine the performance of these clarifiers under more stressed conditions, two test flow rates were imposed on clarifier #1. The initial flow rate was approximately 1.4 mgd; the second flow rate was approximately 2.4 mgd. The flow for each stress level was achieved by delivering the selected flow rate, as measured by the plant's flow meters, to Clarifier #1. The test flow rate was established approximately one hour before the start of a stress test.

### B. Return Sludge Flow Rates:

Each secondary clarifier pumps its return activated sludge (RAS) flow back to the return sludge system. At the end of the stress tests, a drawdown test was conducted in clarifier #1 in order to calculate the actual RAS rate. This test confirmed the accuracy of the plant's RAS flow meter.

### C. Sludge Blanket Tests / Vertical Solids Profiles:

Using the Royce Model 711 electronic suspended solids analyzer, we can accurately determine the concentration of the suspended solids throughout the entire vertical section of a secondary clarifier at any location. This hand-held meter enables us to quickly determine the formation and composition of the blanket in a clarifier throughout the duration of each stress test.

At several intervals during each secondary clarifier flow rate test, vertical solids profiles (VSP's) were obtained from multiple locations along the access bridge.

### D. Mixed Liquor Concentrations / Return Sludge Concentrations:

The mixed liquor and return sludge concentrations are important elements in the evaluation of any clarifier's performance. The concentrations of the mixed liquor and the return sludge were determined by multiple grab samples from the aeration basin and from the return sludge pump.

### E. Dispersed (DSS):

Although a plant may do a good job of settling solids or removing organics in the activated sludge process, one of the most important activated sludge process control activities is developing a floc that settles well and that reduces particulate matter in the effluent. These properties of the floc are a function of both the make-up of the influent suspended solids as well as the biological process and the mechanics of the aeration basins and the clarification process.

In order to determine if better settling conditions in the clarifiers could improve effluent quality, several samples of the test clarifier's effluent were subjected to enhanced settling tests. For this type of test, a sample of the effluent was allowed to settle for 30 minutes to obtain a clear supernatant sample for TSS analysis. This sample is referred to as the "dispersed suspended solids", or DSS.

## VI. PLANT CONDITIONS DURING THE TEST PERIOD:

### A.1. Secondary Clarifier Dimensions:

The approximate clarifier dimensions are as follows:

Clarifier Surface Area:	1590 sf
Clarifier Volume:	155,000 gal
Approx. Weir Length:	141 lf

This yields the following unit hydraulic loading values, based on the total through flow per clarifier (clarifier effluent flow), divided by the total surface area:

Test #	Flow Rate per Clarifier (mgd)	S.O.R (gal/sf/d)	Weir Loading (gal/lf/d)
#1	1.4	880	10,000
#2	2.4	1510	17,000

### A.2 Secondary Clarifier Solids Loadings:

The following average loading rates and activated sludge characteristics were present in the clarifier during the two test periods:

#### SOLIDS LOADINGS

	Test #1	Test #2
Test Flow Q (mgd)	1.4	2.4
RAS Flow Q <sub>R</sub> (mgd)**	0.7	0.7
Total Q + R (mgd)	2.1	3.1
Aver. MLSS (mg/l)	3200	3460
Aver. RAS (mg/l)	8000	9210
Lbs. Added/day (1,000 Lbs)	56	89
Lbs. removed/day (1,000 Lbs)	47	54
DIFFERENCE (1,000 Lbs)	-9	-35
Solids Loading (Lb/sf/d)	35	56

### B. Vertical Solids Profiles (VSPs):

For each test, the entire vertical water column was cross-sectioned at three locations along its access bridge at multiple times during each test using the portable Royce Model 711 Suspended Solids meter.

## VII. THE TEST RESULTS

### A. Detention Time Dye Tests:

A flow curve was developed for each test clarifier for each flow condition by sampling the dye concentration in the effluent from each clarifier over several hours. For each test, the dye was introduced into the centerwell or EDI of each test clarifier so that it would be well distributed as it entered the clarifier. During each of the tests, whole effluent samples were collected initially at 5-minute intervals, then at greater intervals after the dye concentrations had peaked. The results of each of these tests are shown in the "Dye Test Summary" (attached) and are summarized in the following table. In this table, the theoretical detention time of a clarifier is based on the clarifier volume divided by its effluent flow:

#### Secondary Clarifier #1

Test #	Test Flow Rate (mgd)	Tt (min)	Ti (min)	Ti/Tt Effic. (%)	Tm (min)	Modal Effic. (%)	Ta (min)	Hydraulic Effic. (%)
1	1.4	166	20	12	55	33	75	45
2	2.4	93	15	16	25	27	49	53

### B. Other Observations:

#### 1. Vertical Solids Profiles:

Vertical solids profiles (VSPs) of the entire water column were conducted at three locations along the siaccess bridge. These VSPs were collected at different times throughout each test period in order to observe the changes in blanket levels and the amount of solids in each clarifier. The following are the results:

#### TEST #1 @ 1.4 mgd

Time: 0740

Time: 0900

Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.1	0	0		-1'	2.8	0	0	
-2'	2.9	0	0		-2'	2.3	0	0	
-3'	2.9	0	0		-3'	2.3	0	0	
-4'	2.1	0	0		-4'	0.5	0	0	
-5'	2.8	0	0		-5'	0	0	0	
-6'	0.5	0	0.1		-6'	0	0	0	
-7'	1.0	0	0.1		-7'	0	0	0	
-8'	1.0	0	0.1		-8'	0	0	0	
-9'	1.1	1.2	0.4		-9'	1.3	1.0	0.2	
-10'	1.0	2.3	3.0		-10'	1.3	1.6	1.6	
-11'	1.7	5.1	9.0		-11'	2.7	5.1	9.3	
-12'	10	10			-12'	5.7	7.9		
-13'	10				-13'	9.1			
<b>Tot.</b>	<b>41.0</b>	<b>18.6</b>	<b>12.7</b>	<b>72</b>	<b>Tot.</b>	<b>28.0</b>	<b>15.6</b>	<b>11.1</b>	<b>55</b>



Time: 1010					Time: 1105				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.5	0	0		-1'	2.7	0	0	
-2'	3.4	0	0		-2'	2.7	0	0	
-3'	3.3	0	0		-3'	2.7	0	0	
-4'	1.4	0	0		-4'	0.2	0	0	
-5'	0	0	0		-5'	0	0	0	
-6'	0	0	0		-6'	0	0	0	
-7'	0.1	0	0		-7'	0	0	0	
-8'	0.2	0	0		-8'	0.8	0	0	
-9'	1.2	0.3	0.2		-9'	0.9	1.3	1.7	
-10'	1.8	2.3	2.2		-10'	1.2	3.1	2.7	
-11'	2.0	4.8	6.8		-11'	5.7	5.2	6.5	
-12'	9.0	7.7			-12'	8.8	8.6		
-13'	10				-13'	10			
<b>Tot.</b>	<b>35.9</b>	<b>15.1</b>	<b>9.2</b>	<b>60</b>	<b>Tot.</b>	<b>35.7</b>	<b>18.2</b>	<b>10.9</b>	<b>65</b>

**TEST #2 @ 3.4 mgd**

Time: 1155					Time: 1300				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	1.6	0	0		-1'	4.1	0	0	
-2'	3.6	0	0		-2'	4.1	0	0	
-3'	3.6	0	0		-3'	4.1	0	0	
-4'	3.7	0	0		-4'	4.0	0	0	
-5'	1.4	0	0		-5'	3.6	3.0	2.6	
-6'	1.2	0	0		-6'	3.3	3.5	3.1	
-7'	1.7	0	0		-7'	3.8	3.5	3.3	
-8'	1.8	0	0		-8'	3.7	3.7	3.5	
-9'	1.2	1.7	1.9		-9'	3.8	3.6	3.6	
-10'	1.1	3.0	8.8		-10'	5.3	4.5	5.2	
-11'	2.9	5.9	5.8		-11'	5.8	7.8	8.9	
-12'	9.3	8.5			-12'	6.4	10		
-13'	10				-13'	9.8			
<b>Tot.</b>	<b>43.1</b>	<b>19.1</b>	<b>16.5</b>	<b>79</b>	<b>Tot.</b>	<b>61.8</b>	<b>39.6</b>	<b>30.2</b>	<b>132</b>

Time: 1345

Depth	2'	7'	16'	Tot.
-1'	4.1	0	0	
-2'	4.1	0	0	
-3'	4.1	3.5	2.8	
-4'	4.2	3.8	3.8	
-5'	4.2	4.1	3.7	
-6'	4.1	3.8	3.8	
-7'	4.1	4.2	4.0	
-8'	4.1	4.1	4.2	
-9'	4.0	4.8	5.2	
-10'	6.0	6.9	7.0	
-11'	7.9	7.6	8.9	
-12'	8.9	9.0		
-13'	10			
<b>Tot.</b>	<b>69.8</b>	<b>51.8</b>	<b>43.4</b>	<b>165</b>

END OF TEST

## 2. Return Sludge Flows:

The return sludge (RAS) flow rate from each clarifier were controlled by a return sludge pump. The flow from the test clarifier was estimated to be 0.7 mgd for each test. Based on an average of the grab samples collected during the tests, the following were determined to be the approximate RAS concentrations (in mg/l):

### Average RAS Concentrations

Test Flow	RAS Flow	FC-1
1.4 mgd	0.7 mgd	8000
2.4 mgd	0.7 mgd	9210

## 3. Effluent TSS Tests:

In order to verify the performance of the test clarifiers, discrete samples were grabbed every ½-hour from each test clarifier's effluent launder as it exited the clarifier. The following are the results of these effluent TSS results (in mg/l) for the respective stress test flow rates, followed by the observed low and high values:

Clarifier FC-1	ETSS	Effl. DSS
Test #1 @ 1,1 mgd	12(10-13)	6
Test #2 @ 2.4 mgd	17(14-20)	12

#### 4. Activated Sludge MLSS and Settleability:

During the stress tests, the MLSS was sampled every ½-hour throughout the test period. Some samples were also settled for 30 minutes to determine their Sludge Volume Index. These settled samples yielded the following average results:

Test #	MLSS	SVI
Test #1	3200	91
Test #2	3460	96

### VIII. DISCUSSION OF TEST RESULTS

#### A. Short-Circuiting Currents:

The currents in activated sludge clarifiers are usually rather straight-forward: the flow from the inlet drops downward and forms a density current that progresses towards the perimeter. The design of the inlet and the effluent launders can often minimize this pattern, but some density current is still going to form.

Based on the flow curves, at the initial flow rate of 1.4 mgd per clarifier, the clarifiers exhibited the moderate short-circuiting currents, with dye reaching the effluent launders in 20 minutes. As the flow rate was increased, the clarifier showed a dramatic increase in short-circuiting, with the dye reaching the launders in 15 minutes.

Aside from the general short-circuiting, the maximum current measured was in the range of 2- to 3-fpm at the -9 and -10-ft depth during the first stress test. During the second stress test, there were negligible currents because of the extremely elevated sludge blanket; this high sludge blanket dampens any currents.

#### B. Sludge Blanket Formation:

There was very little accumulation of a sludge blanket during the initial test at 1.4 mgd. As the flow was increased for the second test, the amount of solids in the test clarifier increased dramatically, leading to a failure due to the imminent loss of the blanket. This was apparent from the tremendous increase in the solids in the clarifier in less than three hours at the higher flow rate.

### C. Return Sludge Flows:

The clarifier was initially operated at its normal RAS rate of 0.7 mgd during the first flow rate test. Since this was the maximum capacity of the RAS pump, the rate during the second test at 2.4 mgd remained the same 0.7 mgd. As noted previously, this flow rate was confirmed by the "drawdown" test.

It should be noted that, when more than one RAS pump is in service, the individual pump capacity is reduced due to the additional pressure from the other RAS pump(s). Although there wasn't an opportunity to determine the maximum RAS capacity, it is likely that with all three pumps on line, their maximum output would be less than 2 mgd.

The current NEIWPCC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd.

### D. Other Observations:

#### 1. Effluent TSS (ETSS):

The ETSS was reasonably good during the first stress test, averaging 12 mg/l. During the second stress test, the ETSS increased slightly, averaging 17 mg/l, with the highest ETSS of 20 mg/l. However, it should be noted that with the excellent quality of the MLSS produced by the aeration system, a clarifier with better hydraulic characteristics could have produced an effluent of 6 mg/l at the first flow rate, and an effluent of 12 mg/l at the higher flow rate. This indicates that an improvement in the hydraulic characteristics of these clarifiers could generate an improvement of 30 to 50% reduction of ETSS.

#### 2. Scum:

At no time during these tests did there appear to be an excessive amount of surface scum on the clarifier.

#### 3. Sludge Collection Mechanisms:

The sludge collection mechanisms on the test clarifier appeared to be operating normally

## IX. CONCLUSIONS and RECOMMENDATIONS:

The primary objective of this field study was to evaluate the hydraulic performance characteristics of these test clarifiers while operating at both normal and elevated flow rates and solids loadings.

By all standards, whether based on the flow curves, the density currents, and especially effluent TSS at higher flow conditions, these clarifiers had significant performance issues at the elevated flow rates.

It should be noted that, if the MLSS were not so well-developed, with a better-than-normal Sludge Volume Index, these clarifiers would not have performed as well as they did under these stressed loading conditions. This is a function of excellent process control which enables a clarifier system to out-perform expectations.

The following are some recommendations for consideration for these clarifiers:

1. With regard to the arrangement of the centerwell/influent baffle, as presently constructed, there is an inclination for the flow to be directed downward toward the sludge hopper. Not only would this work against the collection of the return sludge, it would also help form the density current. Although the impact of this feature could not be measured during these tests, it is our recommendation that there be an influent baffle re-design to enhance flocculation and to prevent the flow from being directed downward. The redesign that we recommend is a Type II LA-EDI, with the enhanced flocculation appurtenances. (See attached CFD analysis)
2. The presence of the horizontal "density current" baffle beneath the effluent weirs appears to be working as intended. Although there is often a concern with solids collecting on the surface of the baffle, this is not identified as a problem in these clarifiers. Accordingly, we recommend retaining the existing baffle.
3. The most serious concern with this test clarifier, and the entire clarifier system, is the lack of return sludge capacity. The current NEIWPCC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd. As demonstrated by the rapid increase in solids retained during the high flow rate test, this deficiency is the most serious performance-limiting factor in this clarifier system. Accordingly, we recommend immediate attention to this deficiency.
4. A basic tenet of good clarifier operation is the even distribution of flow into and out of a clarifier. From our limited observations during these tests, it appears that the distribution of the influent to these clarifiers would be a continuing challenge. While the installation of simple rectangular weirs in the effluent

launders could permit some basic control of the flows, a further exploration of this subject is beyond the scope of this report. However, the achievement of an even balancing of flows into the individual clarifiers of a clarifier system is essential to process control and optimal performance.

**In Summary**, this clarifier system has two significant performance-limiting factors: the absence of an optimum centerwell and a major lack of RAS pumping capacity. As demonstrated by the balance of solids into and out of the test clarifier, the system will not be able to meet its performance expectations until, at least, the RAS pumping limitation is addressed. It should be recognized that the main reason why this system has been able to perform so well with these limitations is that the operation of the activated sludge process continues to generate a MLSS with such admirable settling characteristics.



# New Frontier in Aeration Energy Efficiency: Basin Control Valves

Julia V. Gass, PE, Vishnu Guntupalli, P. Eng, and Patrick Coleman, P. Eng, Black & Veatch

## Introduction

A throttling valve restricts flow to regulate flow, pressure or temperature. A control valve is a throttling valve equipped with an actuator that acts within a control loop. In the case of a system providing process air to aeration tanks, the control valve opens and closes to adjust the flow into part of an aeration tank to control the dissolved oxygen concentration or the level of mixing energy.

The inherent characteristic of a valve is the characteristic published by the manufacturer, based on tests performed in a system where the pressure drop across the test valve is held constant at all valve openings and flow rates. The inherent characteristic, therefore, represents the relationship between valve flow capacity and valve opening when there are no system effects involved. Most control valves have either an equal percentage or linear inherent characteristic (Figure 1).

The inherent characteristic does not take into account the effect of the piping system on the pressure drop across the valve. If an equal percentage valve opens, the flow will increase in proportion to the flow before the valve opened. If linear valve opens, the flow will increase in direct proportion to the valve opening. If the pressure drop across the valve is small compared to the downstream losses, an equal percentage valve becomes more linear and a linear valve less linear.

The rangeability of a control valve is the ratio of the maximum to minimum flow that can be acted on by a control valve when it receives a signal from a controller. The sensitivity is the specific change in flow opening by a given change in the regulating element compared to the valve's previous position. A sensitive valve with a large rangeability will be able to fine-tune the

flow through the valve more effectively than a valve assembly that is less sensitive or has a lower rangeability.

The butterfly valve is the most commonly used aeration system control valve in North America. A butterfly valve controls the flow by rotating a disc through 90 degrees. Fully open the disc looks like a dinner plate aligned parallel to the pipe wall in the center of the pipe.

High-performance butterfly valves are designed that the plate does not contact the seat until it closes. The disc and the rotating rod are moved to one side of the seat (i.e., single or double offset or eccentric designs). Butterfly valves are economical compared to other control valves and weigh less. The typical rangeability of a butterfly valve is 20:1.

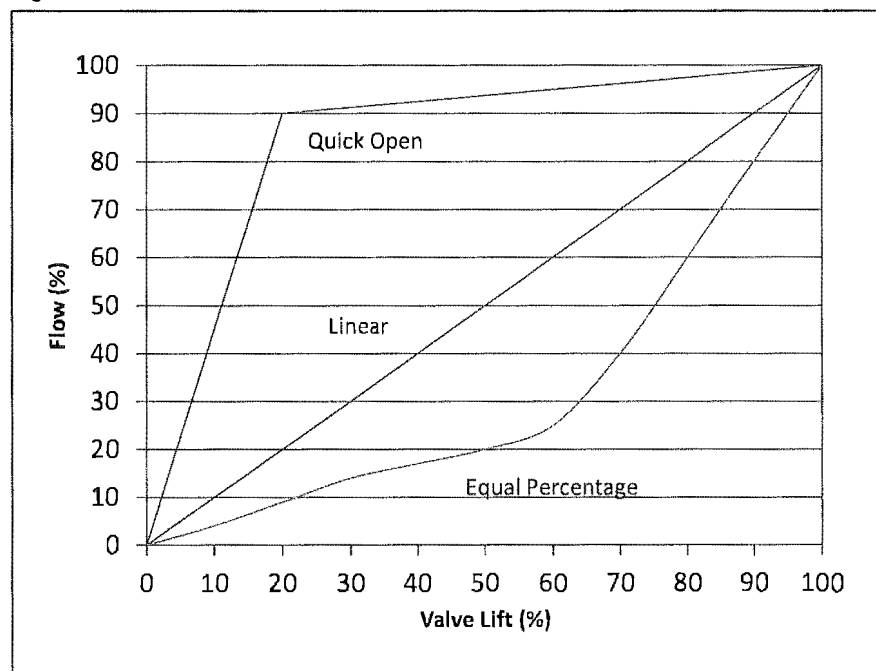
Aeration systems are the largest energy consumer at large wastewater

plants in Ontario, with heating and ventilation running a close second. The industry's focus on the production of more energy efficient blowers and diffusers has shifted to looking also at energy efficient control systems (e.g., most open valve loops, ammonia based control) and air distribution network design (e.g., reduced energy losses through control valves).

The selection of the air control valve is central to building a controllable, responsive and low-pressure loss air distribution system. The water industry has taken three steps to improve control valve performance:

- Improved piping design and selection of butterfly control valves
- Use of eccentric plug valves instead of butterfly valves
- Commercialization of new types of control valves.

Figure 1 – Inherent Valve Characteristics





**Improved Design Of Butterfly Valves**  
 Industrial butterfly valves were originally and are still used as 'shut-off' valves. While butterfly valves are not good control valves, they are used almost exclusively for this purpose in air lines at aeration basins throughout North America. Why? Aeration air lines are typically not small, even though control valves should be smaller.

Figure 2 – DeZURIK Single Offset Disk  
 (Courtesy of DeZURIK)

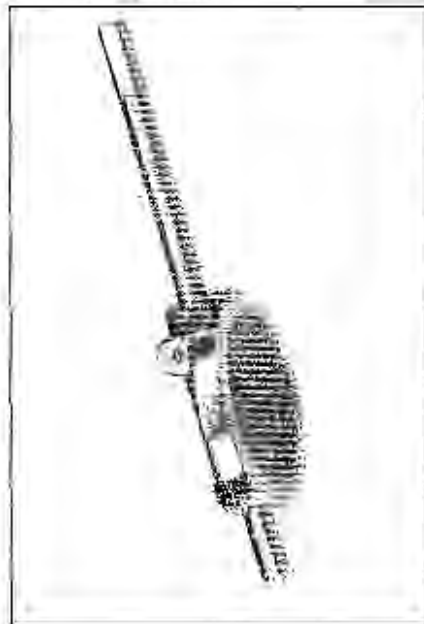
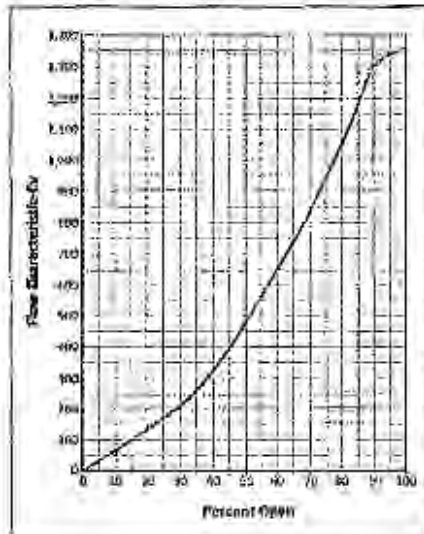


Figure 3 – DeZURIK BHP High-Performance Butterfly Valve Inherent Characteristics  
 (Courtesy of DeZURIK)



than line size, they are still large. Large butterfly valves are reliable, have a low capital cost, and are light weight. The pressure drop across these valves is acceptable in low-pressure air systems. When they reach the end of their useful life, they are typically replaced rather than repaired.

The most linear portion of a butterfly valve's operating range is typically from 40 to 70% open. If the valve is properly sized, pressure drops may be acceptable in only 20 or even 10% of this range. Properly sized butterfly valves used for control are most frequently one size smaller than line size if the piping is sized in accordance with industry standards. At plants where line size butterfly valves have been used, the valves attempt to control at the very low end of their range where the characteristic curve is far from linear. The result is that a very small change in valve position results in a large change in pressure drop so valve hunting frequently results.

Both DeZURIK and other manufacturers developed high-performance control butterfly valves. For example, the BHP Butterfly Valve is not a new technology; however, with incremental design improvements over the last 40 years, the BHP valves exhibit a much more linear inherent characteristic than conventional butterfly valves.

The valve uses a single offset disc (Figure 2) and provides a more linear characteristic curve from 40 to 90% open (Figure 3). The offset disc minimizes interference between seat and disc, lowering torque and increasing cycle life. It is available in sizes from 50 mm (2 in) to 1,500 mm (60 in) diameter with either a carbon steel or stainless steel body. Pricing is at least of the same order of magnitude as butterfly valves traditionally used for aeration control service.

### Use of Eccentric Plug Valves

In the early 1990s, the UK Water Industry began to move away from butterfly to eccentric plug valves (Figure 4). Eccentric plug valves have been the preferred control valve in the UK Water industry for almost 13 years. An eccentric plug valve is similar to a ball valve. The control element rotates 90 degrees from being totally out of the flow (off to one side) to blocking the flow. Large eccentric plug valves are heavier and more expensive than butterfly valves. However, their typical rangeability is 100:1.

### New Types of Valves

Iris and jet valves are two new valve types now being considered as an alternative to high performance butterfly valves.

Figure 4 – Island Road Wastewater Treatment Plant (UK) – Eccentric Plug Valves



## Iris Valve

An iris valve resembles the human eye in that the central aperture becomes smaller and smaller as the valve closes (Figure 5).

Unlike the butterfly valve, there is no obstruction in the central portion of the flow path, which, in many cases, results in a reduced pressure drop. There are approximately 400 iris valves installed in North America to date with the oldest installation dating back to 2010. Iris valves are typically sized one to two sizes smaller than their butterfly valve counterparts. The characteristic curve is typically linear from about 25 to 80% open. Control is stable over a range of 17 to 94% open, and the gain equation is met throughout the range. The gain equation (c.f. sensitivity) stipulates that, for a position change of 10%, flow cannot change more than 20% or less than 5% (Figure 6).

The term “h” in Figure 6 is the position of the valve-regulating element in percent fully open from 0 to 100. Therefore, “h100” is the position when the valve is fully open. The term “Q”

is flow. The flow is to be controlled between a minimum (Qmin) and maximum value (Qmax). The controller can move the valve through its full range from fully closed to fully open. However, control is normally over a minimum to maximum flow range, which means the valve does not fully close or open when controlling the flow. The reader can compare the characteristics of the two valves against an ideal linear characteristic shown as a dotted line, (BKLLin). The butterfly valve is slightly more than 40% open at Qmin and 65% open at Qmax. The iris valve is 24% open at Qmin and 90% open at Qmax. The actuator will move the valve a fixed value with each control action. The actuator will move the butterfly valve over 25% of its range while the actuator will move the iris valve over 66% of its range. Another issue with the butterfly valve is that its full range is only 90 degrees as it is a quarter turn valve. This means the butterfly valve control is only over 23 degrees. These are the reasons that a control loop with an iris valve will have a higher degree of controllability than a loop with a butterfly valve.

These valves are not bubble tight when closed. Leakage is approximately 1%. Egger recommends a butterfly isolation valve is included to allow for better sealing, installed so the shaft is horizontal. They also indicate the isolation valve is beneficial for flow straightening. While this would seem to be detrimental to the goal of decreased pressure drop, Egger indicates that DO set point repeatability is improved. Refer to Figure 7, which is reproduced from an actual plant SCADA screen illustrating how closely the DO reading tracks the set point when an iris valve is used. Egger targets a 7 to 9-year payback with a power cost of \$0.09 to \$0.10/kWh. Flow repeatability of +/- 1 percent with 7-degree reducers upstream and downstream is guaranteed. If standard reducers are used, the guaranteed flow repeatability is +/-3 percent.

Egger will also pipe the valve together with a thermal dispersion flow meter 10 diameter upstream, with a one-diameter straight run downstream also required. The controllability of the loop will improve if the flow meter and the iris valve are matched by the vendor because

Figure 5 – Iris Valve (Courtesy of Egger)

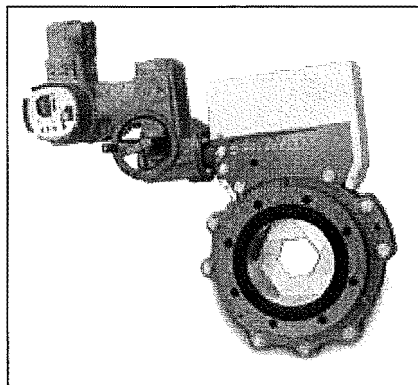


Figure 6 – Iris and Butterfly Valve Characteristics (Courtesy of Egger)

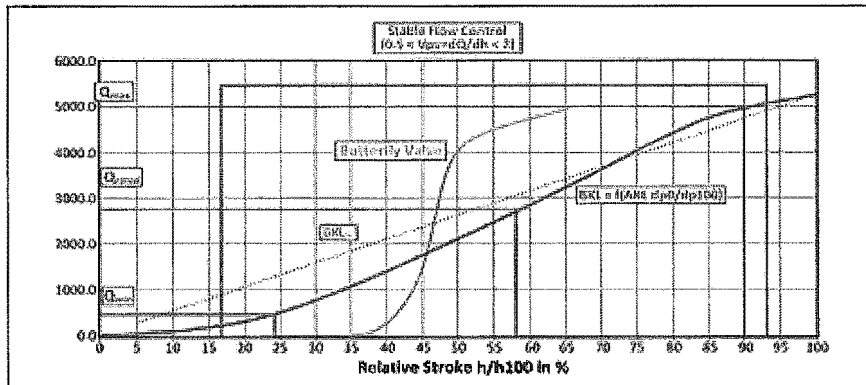
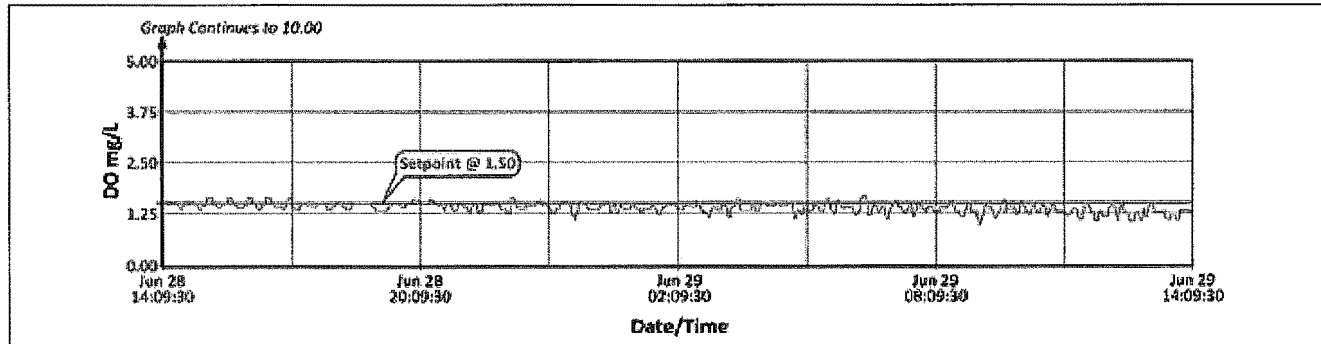


Figure 7 – Iris valve - DO Setpoint Repeatability (Courtesy of Egger)



the flow meter can be used to refine the instructions to the valve actuator. Iris valve weight is about three times that of a corresponding butterfly valve that is one size larger. When comparing stainless steel materials, pricing is about 1.8 to 2.3 times the price of the high-performance butterfly valve described above while being one to two sizes smaller. Stainless steel construction is standard in North America. Other materials options include a cast iron body with stainless steel segments or a cast iron body with bronze segments. The alternate materials result in a slight 10% cost savings. Special materials are available on request. Valves are available from 25 mm (1 in) to 400 mm (16 in) diameter. Yearly replacement of an automatic greaser is the required maintenance.

### Jet Control Valves

Binder Vacomass Jet Control Valve is a low headloss control valve with a linear characteristic and large rangeability (Figure 8 and 9, Courtesy of Binder). The valve is unique and is significantly dimensionally longer than a butterfly or iris valve. It is a venturi style valve, and air flows through the annular space. The venturi design results in recovery of a portion of the pressure loss, which accounts for much of its energy efficiency.

These valves were recently installed at their first plant in the US, but the startup has been delayed due to cold weather. Vacomass guaranteed at this plant a positioning accuracy and repeatability of 0.2 percent. A recent economic analysis showed that replacing the existing valves with Vacomass Jet Control valves at a 680 MLD (180 mgd) wastewater treatment plant would pay back in seven years based on a power cost of \$0.09/kWh.

The valve can be equipped with a thermal dispersion flow meter in an integrated package with the flow meter mounted only one half pipe diameter upstream of the valve, saving appreciably on the piping straight run required between a flow meter and butterfly, eccentric plug, or iris valve. The size of a Vacomass Jet Control valve may either match a butterfly valve, be 1 to 2 sizes smaller, or in some cases, may be a size larger due to the limited range of sizes available. A bubble-tight shutoff is provided, and valves are linear from 5 to 95% open.

Figure 8 – Binder Vacomass Jet Valve Flow Profile (Courtesy of Binder)

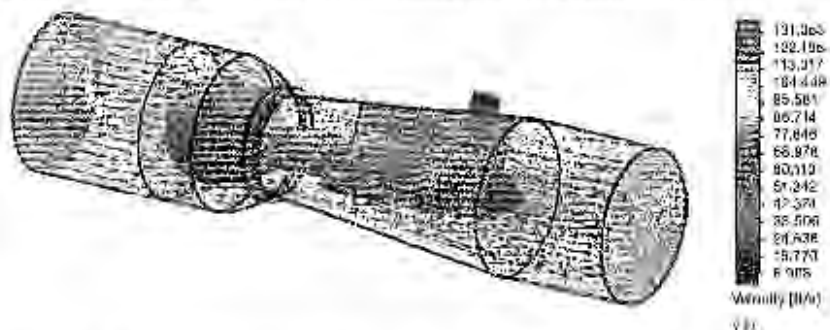


Figure 9 – Binder Vacomass Jet Valve (Courtesy of Binder)



The following table compares the Iris and Jet Control valves to a DeZURIK high performance butterfly valve.

	DEZURIK BHP HIGH-PERFORMANCE SINGLE OFFSET BUTTERFLY VALVE	EGGER IRIS CONTROL VALVE	BINDER VACOMASS JET CONTROL VALVE
Size range, mm inches	50-1,500 2-60	25-400 1-16	250-400 10-16
Controlable range, % open	40-90	17-94	5-95
Standard materials	Carbon steel or stainless steel body	Stainless steel; cast iron with stainless segments; cast iron with bronze segments	Stainless steel
Bubble-tight shutoff?	Yes	No	Yes
Weight comparison	--	Approx 3x butterfly valve	3.5 to 5.5 x butterfly valve
Price comparison <sup>a</sup>	--	1.8 to 2.3 x butterfly valve	1.02 to 1.56 x butterfly valve
Performance guarantees	=	±1% flow repeatability with 7 degree reducers	Positioning accuracy & repeatability of 0.2%
First North American installation	More than 40 years ago	2010	2017
Straight pipe diameters between flow meter and valve	10	10	0.5



## VALVES *and* PIPING

The weight of a Vacomass Jet valve is 3.5 to 5.5 times that of its typically larger diameter butterfly valve equivalent, and the capital cost is 12 to 56% higher than a high-performance butterfly valve. These valves are available only in stainless steel, and the size range is limited from 250 mm (10 in) to 400 mm (16 in) currently. Like a butterfly valve, the equipment life is assumed to be 20 years. Unlike a butterfly valve, Vacomass offers an exchange and refurbishment program for about 1/3 the cost of a new valve.

### Procurement

It is worth noting that the DeZURIK high-performance butterfly, Egger Iris, and the Vacomass Jet valves are proprietary products. One approach to specifying for competition would be to specify one versus the other. The piping layout would need to be adjusted for the valve type selected. The specification could include a requirement for the range over which the gain equation must be met as well as valve characteristic curve values.

### Actuators

A discussion of control valves would not be complete without considering valve actuators, another area where there have been technological advances and some often overlooked creative options are available. Even in instances where industrial butterfly valves continue to be used, controllability improvements can be realized by utilizing a different type of valve actuator. Since the actuator type does not impact system pressure drop, energy savings would come from reaching the DO set point more quickly and within a tight band of control. Actuator options to be aware of include:

Rexa Electrohydraulic – Another proprietary product, these actuators have been used successfully for over 20 years primarily in the Pacific Northwest region of the US. They feature completely sealed oil systems, which are typically maintenance-free for 10 to even as much as 20 years.

These actuators require only a 120-volt power supply, which is an easier to quantify energy saving feature. They offer smooth controllability without overshoot or undershoot and also fail in the last position in the event of a power failure.

Some of the major electric actuator manufacturers now offer actuators with variable frequency drives (VFDs). The VFD allows smooth operation, also minimizing any overshoot or undershoot tendencies. The VFD compensates for voltage fluctuations and can be programmed to slow near the closed end of the stroke to provide tight shutoff without over-torque, again saving energy.

### Conclusion

In conclusion, while ensuring that aeration blowers are at their most efficient available results in the largest impact on system energy, basin control valves and actuators should not be overlooked as a vital part of the total system power requirement and may go a long way toward reducing controllability headaches. ♦

**Budgetary Proposal for  
Scituate Waste Water Plant, MA**

**Aeration Control Valves**

**Proposal # 190920**

Sep 20, 2019

## Preliminary Proposal for Scituate WWTP, MA

### 1. Background

Scituate WWTP requested a budgetary proposal for the following valves:

- One (1) 14" (35.56cm) valve and actuator
- Three (3) 8" (20.32cm) valves and actuators
- Two (2) 6" (15.24cm) valves and actuators

Air flow rates are not available at this time. So, we can not determine whether an Elliptic Diaphragm Control Valve (EDCV) will be the best selection for this application or Square Diaphragm Control Valve (SDCV). We will offer the EDCV at this time and if later flow rates suggested that the SDCV is more suitable for the application, we will supply the SDCV instead of the EDCV at the same price.

The plant piping configuration are not available at this time, so we cannot determine whether a standard installation can be used or a compact installation will be needed. If the final piping details suggest that there is no enough straight length before/after the flow meters, a compact installation will be proposed to the client. The straight run requirements will be attached to this proposal.

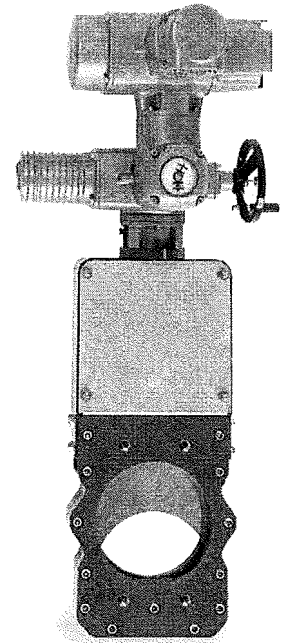
## 2. Technical Proposal

### 2.1 Elliptic Diaphragm Control Valve Description (EDCV)

The VACOMASS® Elliptic diaphragm control valve (EDCV) is a technically optimized sliding gate control valve with gas-tight shut-off and an elliptical control aperture. It is used for precise and low-loss control of air flow and distribution in the aeration tanks of a wastewater treatment plant. The valve has a falling flow axis to achieve sensitive control of normal and tangential flows (e.g. after elbows).

#### The main features of the valve are:

- Gas-tight shut-off allows the use in swing zones or intermittently aerated tanks without need for additional isolation valves.
- At 100% stroke, the valve opens the entire pipe diameter with no air restriction whatsoever for minimum pressure loss.
- Design with an elliptic shaped control office with a falling flow axis: the flow remains partially attached to the wall, which leads to pressure recovery and reduced total pressure drop of the valve during operation.
- The valve is designed with an integrated pressure wave breaker to reduce noise emissions when valve is fully open.
- Valve positioning repeatability is less than 0.45% of the full open range (100% open)
- 20 actuator-turns for 100% stroke provides accurate valve positioning for precise airflow control.
- The geometry of the control aperture provides a significantly larger range of control than butterfly valves or comparable triangular, square, pentagonal or hexagonal diaphragm valves.
- Valve sizing is based on given airflow rates and is designed for optimal control performance at average airflows.
- Design and construction of the valve with corrosion-proof sliding gate in 316 stainless steel; Teflon/ Carbon/ Viton seals for ambient and media temperatures up to + 300°F; stainless steel fasteners, and self-lubricating and hermetically-sealed stainless-steel spindle to protect against dry running, humidity and dust particles – reduces costs for operation and maintenance. The housing material is galvanized carbon steel St. 37, three-layer coated (passivation, powder-coated epoxy, and powder-coated UV resistant layer of Polyurethane RAL 5020). Structural length is according to DIN 3202/K1, flange borings with threads are made according to DIN 2501/ PN10.
- For limited straight pipe runs (less than 15XD upstream of the valve) a compact configuration with specific calibration and stroke compensation is available.

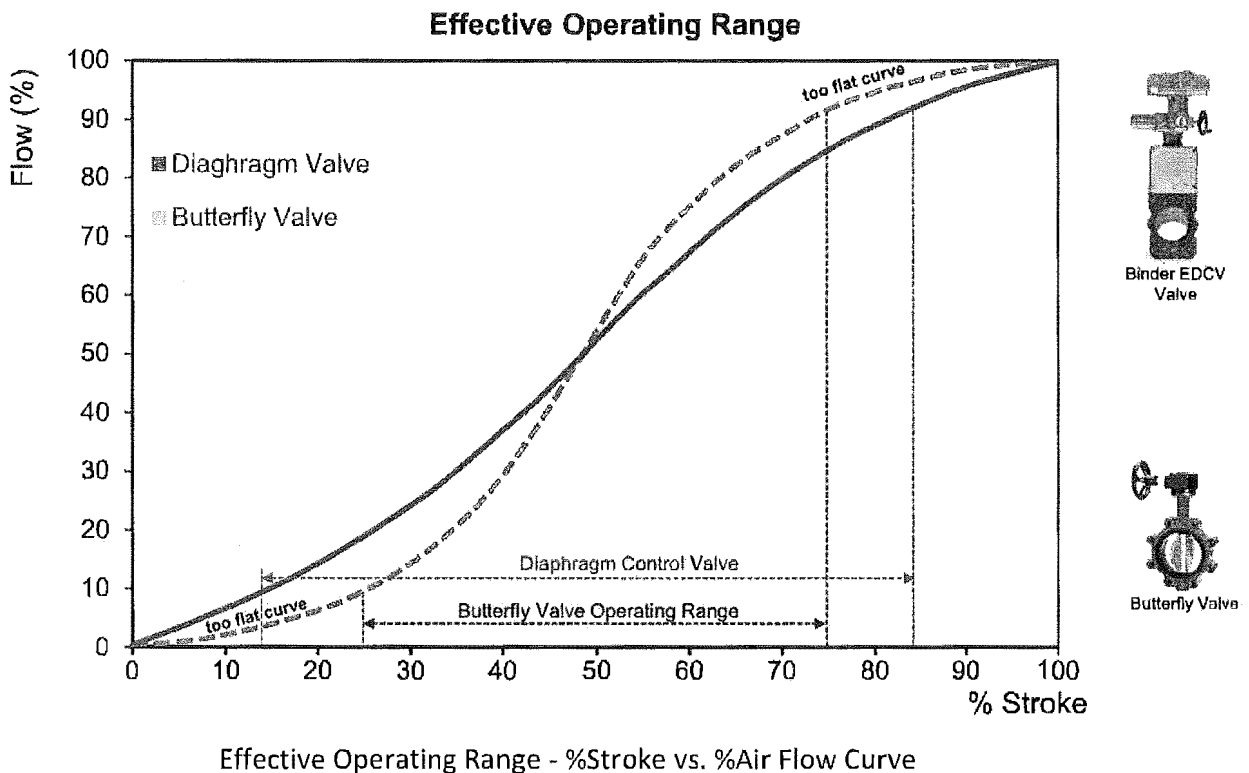


Preliminary Proposal for Scituate WWTP, MA

VACOMASS® Control Valve Performance

Binder's Diaphragm Control Valves require at least 0.12 psi differential pressure to reliably control airflow (compared to a minimum of 0.5 psi for a butterfly valve). For the evaluation, a pressure loss of 0.13-0.17 psi was selected to account for possible system imbalances. The valve types, sizes, and performances are shown in the table below.

Drop Legs	Valve		Min. airflow			Avg. airflow			Max. airflow		
	Type	inch	scfm	dp	% open	scfm	dp	% open	scfm	dp	% open
#1	EDCV	14	N/A	0.13	N/A	N/A	0.13	N/A	N/A	0.13	N/A
#2	EDCV	8	N/A	0.13	N/A	N/A	0.13	N/A	N/A	0.13	N/A
#3	EDCV	6	N/A	0.13	N/A	N/A	0.13	N/A	N/A <td 0.13	N/A	





## Preliminary Proposal for Scituate WWTP, MA

### Scope of Supply and Budget Pricing

#### 2.2 Elliptic Diaphragm Control Valve (EDCV)

One (1) 14-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for one (1) 14-inch EDCVs: \$20,500

(Price is Ex-works Ulm, Germany)

#### 2.3 Elliptic Diaphragm Control Valve (EDCV)

Three (3) 8-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for three (3) 8-inch EDCVs: \$46,800

(Price is Ex-works Ulm, Germany)

**Preliminary Proposal for Scituate WWTP, MA**

**2.4 Elliptic Diaphragm Control Valve (EDCV)**

Two (2) 6-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for two (2) 6-inch EDCVs: \$24,000  
(Price is Ex-works Ulm, Germany)

Above prices does not include shipping and handling or on-site support.

**3. Shipping**

Estimated sea freight (DDP) for one 14" EDCV + three 8" EDCVs + two 6" EDCVs \$4,700  
(DDP to Scituate WWTP, MA including packing, custom duties, import duties, not incl. taxes)

**4. Warranty:**

Binder warranties that the body of the VACOMASS® Control Valve is free from defects in workmanship and materials for a period of twenty-four (24) months from delivery. Damage from improper installation or external force is excluded. The actuator is subject to manufacturer's warranty unless otherwise contractually agreed upon.

**5. Delivery**

Standard: 16 weeks after technical clarification and order confirmation.

**6. Payment Terms:**

- 50% by bank transfer after order acknowledgment
- Balance by bank transfer before shipping

**Preliminary Proposal for Scituate WWTP, MA**

**7. Appendix (Attached Files):**

Attached Files:

VACOMASS® Elliptic Diaphragm Control Valve Brochure

Binder's recommendations for the straight lengths before/after the EDCV valve

Tarek El-Shafie

Director of Business Development – North America

M: 941-210-2872

E: [Tarek.Elshafie@bindergroup.info](mailto:Tarek.Elshafie@bindergroup.info)



**From:** THOMAS DEXTER  
**To:** William.Branton  
**Cc:** Chris.Collins  
**Date:** Tuesday, September 17, 2019 10:05:56 AM  
**Attachments:** [BrayButterflyValveSpecSheet-B1050\\_Resilient Valves 4-5-2019.pdf](#)  
[ValveActuatorSpecSheet-B-1053\\_EN\\_ElectricAct\\_05\\_17\\_18.pdf](#)

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Hi Will, this is the breakdown of pricing for the six new automated valves. We are quoting prices for the Bray automated valves (combination actuator and butterfly valve). Spec sheets are attached.

	<u>EACH</u>	<u>TOTAL</u>
One 14" valve and actuator	\$7,300.00	\$ 7,300.00
Three 8" valve and actuator	\$4,922.00	\$14,766.00
Two 6" valve and actuator	\$3,805.00	<u>\$ 7,610.00</u>
<b>TOTAL</b>		<b>\$29,676.00</b>

Thomas Dexter  
Energy Systems Engineer  
Energy Conservation, Inc.  
508-863-0330



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2020 - FY2024

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number: 2022-440-02  
 Project Title: Laboratory Rehabilitation  
 Category: Equipment  
 Department: Sewer Contact: William Branton

Department Priority:  
 Urgent/Legally Required  
 Maintain Service  
 Enhancement

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

Description:

Replace aging equipment in lab such as: lab rated refrigerators, incubators, vacuum pump, muffle furnace, scientific scales, hood exhaust system, water still, HVAC system, furnish and install new windows.

Benefits of Project and Impact if Not Completed:

Allow department to keep up with increasing lab standards and new testing that may be required with new permit. Lab equipment has high standards for accuracy that need to be achieved to meet permit requirements.

Discuss Operating Budget Impact:

Allow division to continue to use its lab for in house testing and avoid additional use and higher costs of lab send out services.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2020	FY2021	FY2022	FY2023	FY2024
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$96,300			\$96,300		
Contingency	\$3,700			\$3,700		
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>

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>\$100,000</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					

### WWTP Lab Rehab Items and Estimates:

- New refrigeration unit: \$10,000
- Replace exhaust fans: \$15,000
- New vacuum pump: \$8,000
- New windows: \$12,000
- New HVAC system: \$16,000
- New incubators: \$5,000
- New scales: \$1,500
- New muffle furnace: \$1,800
- New Still: \$3,000
- New table top instrumentation: \$6,000
- New heating oven: \$8,000
- Misc. benches, tables, glassware, etc.: \$10,000

**Total: \$96,300**







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2022-440-02		
Project Title:	First Parish Pump Station Rehab		
Category:	Equipment		
Department:	Sewer	Contact:	William Branton
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:**

Replace pumps, level controls, alarm system, instrumentation, control panels, and integrate station with SCADA system.

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

The First Parish Pump Station is among the oldest pump stations in Town. Equipment in this station is beyond its expected useful life. With the addition of the Gates Middle School to this station's collection system there is a greater risk that the old equipment within this station could begin to fail at an accelerated rate. This station provides sewer service for three different schools and the town hall, failure at this station could impact the school and town hall's ability to function.

**Discuss Operating Budget Impact:**

New pumps and controls would offer greater efficiencies and lower electric costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$10,250			\$10,250			<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	\$102,500			\$102,500			<input type="checkbox"/> Capital Stabilization
Contingency	\$10,250			\$10,250			<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$123,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$123,000</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>\$123,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$123,000</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					

**First Parish Pump Station Cost Breakdown Estimates:**

- New pumps: \$46,000
- New instrumentation: \$12,000
- New Control Panels: \$16,000
- New level control system: \$1,500
- SCADA integration: \$9,000
- Misc. piping, gauges, conduits, labor: \$18,000

**Total: \$102,500**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-19-19

Date of Last Edit: 9-19-19

Project Number:	2023-440-02		
Project Title:	Replace Truck 5-1		
Category:	Equipment		
Department: DPW Sewer	Contact:	William Branton	
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase - Final	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

Replace Ranger with a full size 4x4 service vehicle equipped with a crane, plow body and plow.

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

Current vehicle is showing signs of wear and tear. Currently the vehicle is setup for inspections and due to vehicle size is unable to plow or support a crane. By replacing this vehicle the department will gain added ability to respond to emergencies at pump stations. The crane is a addition that allows staff to replace equipment like pumps at the stations. The replacement truck will also be plow ready and can be used with the rest of the fleet for snow removal projects in the winter.

**Discuss Operating Budget Impact:**

Current vehicle has developing rust on surfaces and frame, while the vehicle still operates decently it may not be cost beneficial to repair the vehicle (should service be needed) rather than replace it. Current bluebook estimate for trade-in value is \$3,338 Additional details on costs and benefits will be revised in following years as the department gets closer to the expected replacement date in FY23.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$47,046			\$47,046		
Contingency	\$6,300			\$6,300		
Other	\$0					
<b>TOTAL</b>	<b>\$53,346</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,346</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>\$53,346</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,346</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					







**SPECIFICATION SHEET**

**TYPE:** The Crane shall be a fold a way bumper mounted type, 77" wide (3) for mounting to standard Full-Size Pickups.

**CAPACITY:** The Crane shall have a designated lifting capacity of 1500 lbs. single line and 2500 lbs. double line using a traveling block with safety hook.

**BOOM HEIGHT: (1)** The Boom shall be a fixed position boom with an overall height of 77" & 85" from top of bumper.

**BOOM LENGTH: (2)** The Boom shall have a fixed length of 45'.

**ROTATION:** The Crane shall have a 360-degree continuous manual rotation on machined surfaces, with two needle bearings and one thrust bearing that are environmentally sealed.

**HOIST:** The Hoist Motor shall be 12 volt D.C. powered, with a dual internal breaking system. Hoist shall have power up and power down.

**CABLE: (6)** The Cable shall be 35' x 7/32" in diameter galvanized aircraft quality cable, with a single line breaking strength of 5600 lbs., and a safety hook.

**CONTROL:** A Hand Held Pendant Control, 10 feet in length, shall be furnished for controlling the hoisting function and shall be 12 volt D.C. powered. Pendant Control shall be weather resistant, with a solid rubber grip.

**POWER SOURCE:** The Power Source shall be the vehicles own 12-volt D.C. battery.

**OUTRIGGER:** The Crane shall have a permanently attached swing down adjustable outrigger, to increase stability and reduce the loading to the vehicle's suspension.

**HITCH:** The Bumper shall have a factory installed Class 4 Receiver type hitch. This Hitch is rated at 10,000 lbs. of drawbar pull and 1,200 lbs. vertical Hitch load. \*\*\**(Vehicle's rated towing capacity may be less)*

**MOUNTING:** The Crane shall be provided with all necessary wiring, brackets, fasteners, and hardware, for bolt on mounting to the vehicle's frame.

**WIRING:** The Crane shall be pre-wired from the factory and tested. The Cranes entire electrical system shall be circuit breaker protected.

**SAFETY:** The Crane shall be designed and manufactured according to the applicable ANSI standards for mobile cranes. The Crane shall be clearly marked with Maximum Load & Warning Decals.

**MAN-LIFT:** The Crane shall be OSHA & ANSI compliant as a Man-Lift for Confined Space Activities when equipped with the optional WO-CSR Confined Space Rescue & Recovery System.

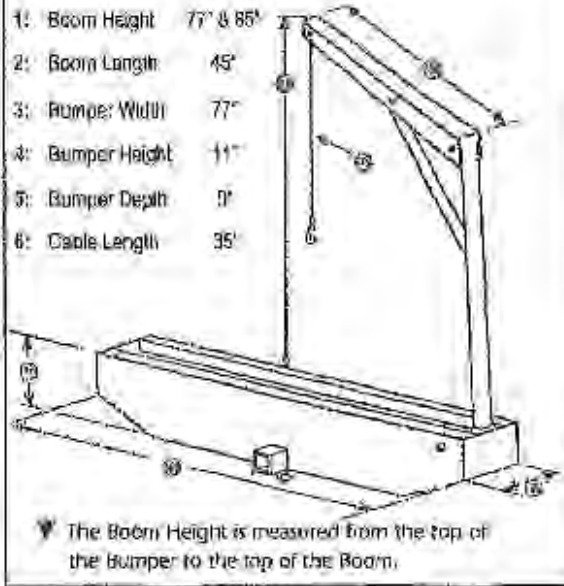
**CONSTRUCTION:** The Bumper shall be of 2" X 5" tubular steel construction. The Mast shall be seamless DOM tubing with strong back. The Boom shall be formed from 1 piece of 3/16" ASTM A572 Grade 50 High Tensile Steel. All Sheaves shall be steel with sealed roller bearings. All Sheave Pins shall be made from plated stress proof steel.

**DOCUMENTATION:** The Crane shall be furnished with detailed installation instructions, Operation and Safety Instructions, Parts List, and Maintenance Instructions.

**FINISH COATING:** The Crane shall be finished with a durable Powder Coating, semi-gloss black.

**WARRANTY:** Manufacturer shall warrant the materials and workmanship for a period of one year from the date of delivery (excluding cable).

- 1: Boom Height 77" & 85"
- 2: Boom Length 45'
- 3: Bumper Width 77"
- 4: Bumper Height 11"
- 5: Bumper Depth 9"
- 6: Cable Length 35'



**NOTE: OPTIONS AND ACCESSORIES ARE AVAILABLE FOR THIS MODEL**  
See "Options & Accessories Specifications" for details.





# Liberty Chevrolet

90 BAY STATE ROAD • WAKEFIELD, MA 01880  
781-246-1919 FAX 781-246-8987

DATE 06/20/18		SOLD TO: ADDRESS					INVOICE NO.
DEAL # 86308		TOWN OF SCITUATE DPW 600 CHIEF JUSTICE CUSHING HYW SCITUATE MA 02066					102204
KEVIN NUGENT							
CUST. NO.	STOCK NO.	YEAR-MAKE	MODEL	NEW OR USED	SERIAL NO.	KEY NO.	SALESMAN
8457	1870780	2018 CHEVROLET TRUCK	SILVERADO 25	NEW	1GC0KUEG5JZ203356		
INSURANCE COVERAGE INCLUDES					PRICE OF CAR		39258.85
<input type="checkbox"/> FIRE AND THEFT		<input type="checkbox"/> PUBLIC LIABILITY - AMT.		FREIGHT AND HANDLING			
<input type="checkbox"/> COLLISION - AMT. DEDUCT.		<input type="checkbox"/> PROPERTY DAMAGE - AMT.		OPTIONAL EQUIP. & ACCESS.			
OPTIONAL EQUIPMENT AND ACCESSORIES					SALES TAX		
<u>GROUP</u>	<u>DESCRIPTION</u>	<u>PRICE</u>			LICENSE AND TITLE		
					TOTAL CASH PRICE		39258.85
					FINANCING INSURANCE		
					TOTAL TIME PRICE		39258.85
					SETTLEMENT:		
					DEPOSIT		
					CASH ON DELIVERY		39258.85
					USED CAR: -		
					TYPE		
					SERIAL NO.		
					ENGINE NO.		
					PAYMENTS:		
					TOTAL		39258.85
ALWAYS SHOW SERIAL, ENGINE AND KEY NUMBERS							



# Metropolitan Truck Center Inc.

# Service Estimate 12432

Name Address	Town Of Scituate(Sewer)Dep 161 Driftway	Company Address 2	Created Time	09/13/18 7:51 AM	Year Make Model Lic.#	2017 CHEVROLET K2500 HD
Home Work Fax	Scituate, MA 02066 781-545-8731(32)	V.I.N. # Eng/Trans	Promised Advisor Division PO#	Paul RE	Unit#	
			Page#	1 of 1	PH#	

## Job Description

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

Model #A-2500-WO-16-WO-17

This is a 2500 LB. fold away bumper crane. With Aluminum Diamond Plate Cover and lower bumper enclosure.

Complete installed price will be \$7,787.00

*2018 TMA Head*

*1835 J*

*+ 2500 LBS RAM*

*257.80*

RECEIVED  
SEP 19 2018  
TOWN OF SCITUATE  
SEWER DIVISION

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
Sublet	\$0.00
Subtotal	\$0.00
Tax	\$0.00

**SPECIFICATION SHEET**

**TYPE:** The Crane shall be a fold a way bumper mounted type, 77" wide (3) for mounting to standard Full-Size Pickups.

**CAPACITY:** The Crane shall have a designated lifting capacity of 1500 lbs. single line and 2500 lbs. double line using a traveling block with safety hook.

**BOOM HEIGHT:** (1) The Boom shall be a fixed position boom with an overall height of 77" & 85" from top of bumper.

**BOOM LENGTH:** (2) The Boom shall have a fixed length of 45".

**ROTATION:** The Crane shall have a 360-degree continuous manual rotation on machined surfaces, with two needle bearings and one thrust bearing that are environmentally sealed.

**HOIST:** The Hoist Motor shall be 12 volt D.C. powered, with a dual internal breaking system. Hoist shall have power up and power down.

**CABLE:** (6) The Cable shall be 3/8" x 7/32" in diameter galvanized aircraft quality cable, with a single line breaking strength of 5600 lbs., and a safety hook.

**CONTROL:** A Hand Held Pendant Control, 10 feet in length, shall be furnished for controlling the hoisting function and shall be 12 volt D.C. powered. Pendant Control shall be weather resistant, with a solid rubber grip.

**POWER SOURCE:** The Power Source shall be the vehicle's own 12-volt D.C. battery.

**OUTRIGGER:** The Crane shall have a permanently attached swing down adjustable outrigger, to increase stability and reduce the loading to the vehicle's suspension.

**HITCH:** The Bumper shall have a factory installed Class 4 Receiver type hitch. This Hitch is rated at 10,000 lbs. of drawbar pull and 1,200 lbs. vertical Hitch load. \*\*\* (Vehicle's rated towing capacity may be less)

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**MAN-LIFT:** The Crane shall be OSHA & ANSI compliant as a Man-Lift for Confined Space Activities when equipped with the optional WO-CBR Confined Space Rescue & Recovery System.

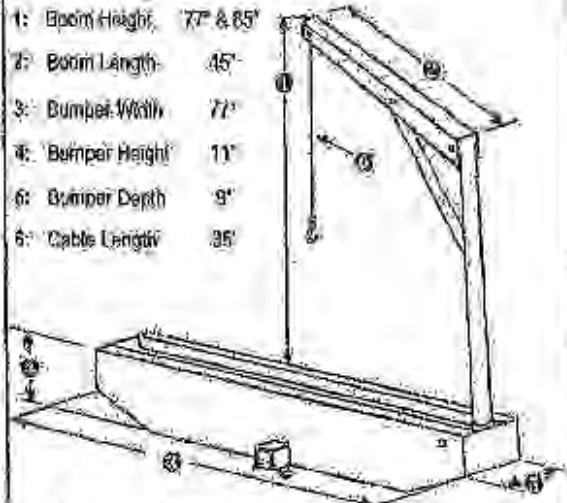
**CONSTRUCTION:** The Bumper shall be of 2" X 5" tubular steel construction. The Mast shall be seamless DOM tubing with strong back. The Boom shall be formed from 1 piece of 3/16" ASTM A572 Grade 50 High Tensile Steel. All Sheaves shall be steel with sealed roller bearings. All Sheave Pins shall be made from plated stress proof steel.

**DOCUMENTATION:** The Crane shall be furnished with detailed Installation Instructions; Operation and Safety Instructions, Parts List, and Maintenance Instructions.

**FINISH COATING:** The Crane shall be finished with a durable Powder Coating, semi-gloss black.

**WARRANTY:** Manufacturer shall warrant the materials and workmanship for a period of one year from the date of delivery (excluding cable).

- 1: Boom Height 77" & 85"
- 2: Boom Length 45"
- 3: Bumper Width 77"
- 4: Bumper Height 11"
- 6: Bumper Depth 9"
- 6: Cable Length 35"



▼ The Boom Height is measured from the top of the bumper to the top of the Boom.

**NOTE: OPTIONS AND ACCESSORIES ARE AVAILABLE FOR THIS MODEL**  
See "Options & Accessories Specifications" for details.



# Metropolitan Truck Center Inc.

# Service Estimate 12432

Name	Town Of Scituate(Sewer)Dep	Company	Created	09/13/18	Year	2017
Address	161 Driftway	Address 2	Date	7:51 AM	Make	CHEVROLET
Home	Scituate, MA 02066	Address 3	Promise		Model	K2500 HD
Work	781-545-8731(32)	City	Advisor	Paul	Lot #	
Fax		State	Division	RE	Unit #	
		Eng/Trac	PO#		PU#	
			Page#	1 of 1		

### Job Description

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

**Model #A-2500-WO-16-WO-17**

This is a 2500 LB. fold away bumper crane, With Aluminum Diamond Plate Cover and lower bumper enclosure.

**Complete installed price will be. \$7,787.00**

**1074 Turnpike St. | Stoughton, MA 02072**

**781-344-8262 | Fax 781-344-6189 | [www.metropolitatruck.com](http://www.metropolitatruck.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
Subtotal	\$0.00
Subtotal	\$0.00
Tax	\$0.00
<b>Total</b>	<b>\$0.00</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number:	2023-440-01		
Project Title:	Add to Collection System for Phased expansion		
Category:	Construction		
Department:	Sewer	Contact:	William Branton
Project is:	New [ ]	Recurring [ ]	Resubmission [x]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

Sewer expansion project to tie North Scituate into the collection system.

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

Sewer expansion project to tie North Scituate into the collection system.

**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					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$50,000				\$50,000		<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$11,950,000				\$11,950,000		<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>\$12,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000,000</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

CPA Amount Requested		CPA Purpose(s) Check all that apply				
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>\$12,000,000</b>	<b>\$0</b>

**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 sewerred without expanding the treatment plant, the report developed short-range planning recommendations for sewerred 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 sewerred.

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 sewerred 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.

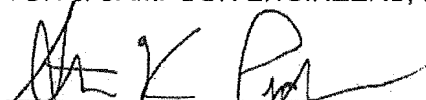
Fees shall be billed monthly as they accrue based upon the services performed as a percent of the total lump sum fee. The OWNER agrees to make payment to the ENGINEER within thirty (30) days of the invoice date.

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 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2023-440-03	
Project Title:	Structural Repairs	
Category:	Repair & Maintenance	
Department:	Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  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
		FY2020	FY2021	FY2022	FY2023	FY2024	
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
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</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>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>

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

Open Space

Recreation

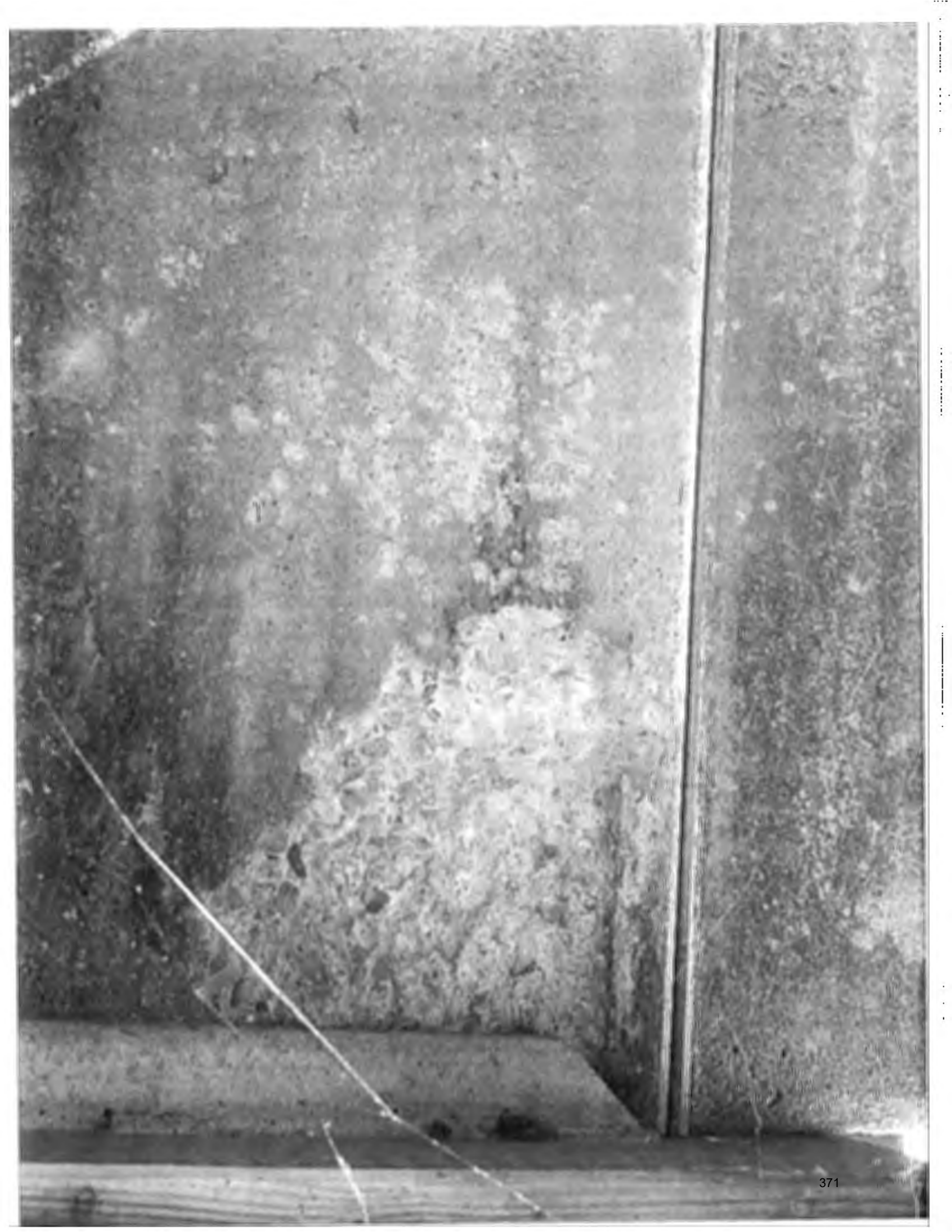
Historical

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\S5001 Scituate DPW\Proposals\Preliminary Capital Budget 101917.docx



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

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

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

Project Number:	2024-440-01		
Project Title:	I & I Chain Pond Area 2024		
Category:			
Department:	Sewer	Contact:	William Branton
Project is:	New [ ]	Recurring [ ]	Resubmission [x]
	Multiyear [ ]	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 24 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 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					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$55,000					\$55,000	<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$4,145,000					\$4,145,000	<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>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,200,000</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" 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>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,200,000</b>

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**



Inflow Subarea Rank	Sub Area	Volume Event Net Inflow (gal)	Volume Event Direct Net Inflow (gal)	Volume Event Indirect Net Inflow (gal)	Inch-Miles (in-mi)	Inflow Severity (g/in-mi)	Cumulative Inflow Volume Event (gal)	Cumulative Inflow Volume Event (%)
1	4-2	185,700	38,985	146,715	7.56	24,568	185,700	9%
2	8-1	337,670	75,162	262,508	12.10	21,614	523,370	25%
3	5-1	210,170	67,218	142,952	21.28	6,626	736,540	35%
4	3	201,748	7,113	194,635	13.01	14,957	931,178	45%
5	5-2	173,389	30,513	142,876	11.92	11,981	1,104,567	57%
6	10-1	307,157	77,631	229,526	7.25	31,064	1,434,100	70%
7	4	39,817	26,912	12,905	30.50	1,272	1,473,917	73%
8	2-1	214,212	36,356	177,856	47.74	4,487	1,934,179	93%
9	3-1	102,209	85,342	16,867	49.54	2,063	2,036,388	98%
10	7-1	23,948	4,795	19,152	14.09	1,700	2,060,335	99%
11	2-2	10,412	5,063	5,348	7.60	1,370	2,070,747	99%
12	8-1	10,923	5,871	5,052	14.98	729	2,081,670	100%

System Total	2,081,670	366,413	1,715,257	
		17.60%	82.40%	

**Notes:**

Shading denotes areas recommended for further evaluation.

**TABLE 1  
TOWN OF SCITUATE  
FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO  
INFLOW RANKING FOR MARCH 14 AND 15, 2016 STORM BY SUB-AREA**

Infiltration Subarea Rank	Subarea	Length (LF)	Inch-Miles (in-mi)	Gross Infiltration (gpd)	Net Infiltration (gpd)	Infiltration Severity (gpd/in-mi)
6	3-1	18,930	49.54	669,981	81,991	1,655
7	5-2	15,999	31.64	220,625	46,662	1,475
8	7-1	9,298	14.09	19,039	19,039	1,351
9	1-1	29,971	77.25	959,768	81,977	1,061
10	7-2	20,190	30.59	31,368	31,368	1,025
11	2-2	5,015	7.60	7,791	7,791	1,025
12	8-1	9,889	14.98	368	368	25

SYSTEM TOTAL = 1,010,174 gpd

**Notes:**

Shading denotes areas recommended for further evaluation.  
 The net infiltration results are calculated from all dry weather days during the metering program.

TABLE 2  
 TOWN OF SCITUATE  
 FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO  
 INFILTRATION QUANTITIES AND SEVERITY RANKING (AVERAGE)



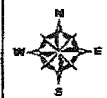
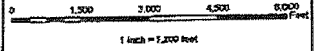
**Town of Scituate  
Massachusetts**

**Figure 5  
VI Priority Areas**

Updated:  
July 2016

**Legend**

- High Priority Remediation Area
- Low Priority Remediation Area
- Meter Station
- Rain Gauge
- Wastewater Treatment Plant
- Pumping Station
- Sewer Manhole
- 8 inch
- 10 inch
- 12 inch
- 14 inch
- 15 inch
- 16 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: FY2020 - FY2024

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number:	2024-440-02		
Project Title:	Replace UV system		
Category:	Equipment		
Department:	Sewer	Contact:	William Branton
Project is:	New [X]	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase	___ of ___

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Description:

Replace existing Trojan 4000 UV system with a new system. Current system does not offer sufficient redundancy and may not be able to maintain treatment levels if permit conditions change. Current unit is the original UV system and is reaching the end of it's useful life.

Benefits of Project and Impact if Not Completed:

New system could be designed to have redundancy for disinfection and would use current technology making it more energy efficient. New system could also be located at a more optimal location to prevent wildlife from contaminating waters. As the current UV system continues to age it will be less able to meet permit requirements for disinfection which could result in fines to the department and harmful impact to the environment and public.

Discuss Operating Budget Impact:

New system could be designed to be more efficient resulting in lower electric use costs. New system with redundant features may allow plant effluent to reach standards more suitable for effluent reuse which could lead to potential new revenue source for the department.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$60,000					\$60,000	<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$100,000					\$100,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$500,000					\$500,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$40,000					\$40,000	<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$700,000	\$0	\$0	\$0	\$0	\$700,000	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$700,000	\$0	\$0	\$0	\$0	\$700,000
<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-03		
Project Title:	Influent Grit Removal		
Category:	Repair & Maintenance		
Department:	Sewer	Contact:	William Branton
Project is:	New [ ]	Recurring [ ]	Resubmission [x]
	Multiyear [ ]	Phase ___ of ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**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 through our 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
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$50,000					\$50,000	<input checked="" 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	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$2,050,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,050,000</b>	<input checked="" type="checkbox"/> CPA <input checked="" 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							
Net of CPA and Grants	\$2,050,000	\$0	\$0	\$0	\$0	\$2,050,000		
<b>Operating Budget Impact</b>								
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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-03
Project Title:	RAS Capacity
Category:	Equipment and Technical Services
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

In August 2018 the Sewer Division had an evaluation done on it's secondary clarifiers. The evaluation found two significant performance-limiting factors: 1. Major lack of RAS pumping capacity and 2. absence of an optimum center well to disperse solids and flows. This project will provide funding for the division study and design of how to best increase return pumping capacity. Current pumps are rated for the recommended flow levels which indicates that pipe diameter of buried infrastructure may need to be replaced with larger pipes to achieve the recommended flow rates.

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

The secondary clarifiers are the stage of treatment where solids are separated from the water. By not having sufficient flow capacity for the return activated sludge then the clarifiers will overflow under conditions where they normally would be able to handle. Solids overflowing from the clarifier leads to excessive wear and tear and damage to equipment in downstream processes.

**Discuss Operating Budget Impact:**

Upgrading the return capacity will allow the WWTP to build out the collection system to connect additional properties without overwhelming this stage of treatment. Multiple high flow events happen each year, during these events the WWTP suffers greater wear and tear on equipment and needs to staff the facility during off hours to constantly make adjustments to avoid the clarifiers overflowing. When the clarifiers overflow their solids it can substantially damage equipment and treatment processes down the line. Recovering these treatment processes and repairing equipment during these events requires a substantial amount of overtime during difficult weather conditions.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$30,000					\$30,000	<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$150,000					\$150,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$150,000					\$150,000	<input type="checkbox"/> Capital Stabilization
Contingency	\$30,000					\$30,000	<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$360,000</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>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$360,000</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







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## I. PROJECT OBJECTIVES

The Town of Scituate Municipal Wastewater Authority's (SMWA) Treatment Plant (WWTP) is an extended aeration activated sludge facility. This plant consists of preliminary (screening and grit removal), an activated sludge process with multiple aeration basins and three secondary clarifiers. The process is designed to nitrify and denitrify, and add dissolve oxygen before discharge.

The present plant, with three clarifiers in operation, was designed to treat a peak daily flow of 4.34 million gallons per day (mgd) and an average annual design flow of 1.66 mgd. The current average daily flow is approximately 1.3 mgd.

The primary objective of this field study was to evaluate the hydraulic performance characteristics of a secondary clarifier while operating at both normal and elevated flow rates and solids loadings. This evaluation was to help assess the capacity of the clarifiers and determine (a) their present performance characteristics and (b) the potential for any additional modifications that could improve their performance and reliability under current permit conditions and future operating conditions.

In order to accomplish these objectives, the field investigation was designed to accomplish the following major findings for the secondary clarifiers:

1. Develop flow curves and determine the hydraulic characteristics and actual detention times for the test clarifier #1 at predetermined flows.
2. At the initial flow rate, determine the location and intensity of the major and minor currents by conducting drogue current tests.
3. Also at this flow rate, determine and monitor the formation and movement of the sludge blankets.
4. Then, to the extent possible, at an elevated surface overflow flow (SOR) rate, repeat the same tests to again to determine:
  - o the hydraulic characteristics and detention times,
  - o the location and intensity of the currents, and
  - o formation of the sludge blankets
5. Based on these tests and other observations, assess the capacity of this clarifier and recommend any modifications to improve its performance and the capacity of the clarification system.

## II. DESCRIPTION OF THE CLARIFIERS

### A. General Description – Secondary Clarifiers FC-1; FC-2; FC-3:

There are three identical secondary clarifiers; ref Plant Layout Figure A1. These tests focused on Clarifier #1

#### 1. General Clarifier Configuration

The secondary clarifiers are circular with spiral sludge collectors. Each clarifier is 45-ft in diameter. The sidewater depth is approximately 12-ft, sloping to 14-ft at the center.

The influent to each clarifier is via standard 7-ft diameter centerwell; the effluent is via a single perimeter launder with a standard v-notch weir. There is also a horizontal baffle attached to the outer wall and located about two feet below the water surface.

## III. THE CLARIFICATION PROCESS

The secondary clarifier is often the most critical link in the biological wastewater treatment process. Its main function is to separate the activated sludge solids from the treated effluent and to allow the clarified effluent to pass on to the point of discharge. As an additional function, the clarifier is sometimes used to thicken and store the settled activated sludge solids in order to minimize sludge wasting volume and reduce return sludge flow rates.

Although many designs assume that a clarifier is a "plug flow" reactor, and that it has a defined detention time (based on its volume) to effectively accomplish these functions, studies have shown that clarifier flow patterns are often more like those of an "arbitrary-flow", or, "mixed-flow" reactor. This is particularly true in the case of clarifiers treating a wastewater with a mass of flocculent suspended solids. In all cases, the clarifier's efficiency is affected by the formation of various hydraulic currents. These currents can impair a clarifier's effectiveness and greatly reduce a clarifier's ability to separate and thicken the flocculent activated sludge solids from the wastewater.

## IV. LOCATING CURRENTS: Use of Drogue Current Tests:

The currents in a clarifier often vary considerably by depth and by distance from the influent point. In order to locate and quantify these currents, we use a type of "flow catcher" called a "drogue". This drogue is constructed to drift with the current at whatever depth and location the drogue is suspended at. This drogue test accurately delineates the movements of the clarifier's currents in the horizontal plane. The drogue for these tests was launched from the walkway at about 8-ft from the center of the clarifier.



## V. DISCUSSION OF OTHER TESTS

### A. Clarifier Test Flow Rates:

In order to determine the performance of these clarifiers under more stressed conditions, two test flow rates were imposed on clarifier #1. The initial flow rate was approximately 1.4 mgd; the second flow rate was approximately 2.4 mgd. The flow for each stress level was achieved by delivering the selected flow rate, as measured by the plant's flow meters, to Clarifier #1. The test flow rate was established approximately one hour before the start of a stress test.

### B. Return Sludge Flow Rates:

Each secondary clarifier pumps its return activated sludge (RAS) flow back to the return sludge system. At the end of the stress tests, a drawdown test was conducted in clarifier #1 in order to calculate the actual RAS rate. This test confirmed the accuracy of the plant's RAS flow meter.

### C. Sludge Blanket Tests / Vertical Solids Profiles:

Using the Royce Model 711 electronic suspended solids analyzer, we can accurately determine the concentration of the suspended solids throughout the entire vertical section of a secondary clarifier at any location. This hand-held meter enables us to quickly determine the formation and composition of the blanket in a clarifier throughout the duration of each stress test.

At several intervals during each secondary clarifier flow rate test, vertical solids profiles (VSP's) were obtained from multiple locations along the access bridge.

### D. Mixed Liquor Concentrations / Return Sludge Concentrations:

The mixed liquor and return sludge concentrations are important elements in the evaluation of any clarifier's performance. The concentrations of the mixed liquor and the return sludge were determined by multiple grab samples from the aeration basin and from the return sludge pump.

### E. Dispersed (DSS):

Although a plant may do a good job of settling solids or removing organics in the activated sludge process, one of the most important activated sludge process control activities is developing a floc that settles well and that reduces particulate matter in the effluent. These properties of the floc are a function of both the make-up of the influent suspended solids as well as the biological process and the mechanics of the aeration basins and the clarification process.

In order to determine if better settling conditions in the clarifiers could improve effluent quality, several samples of the test clarifier's effluent were subjected to enhanced settling tests. For this type of test, a sample of the effluent was allowed to settle for 30 minutes to obtain a clear supernatant sample for TSS analysis. This sample is referred to as the "dispersed suspended solids", or DSS.

## VI. PLANT CONDITIONS DURING THE TEST PERIOD:

### A.1. Secondary Clarifier Dimensions:

The approximate clarifier dimensions are as follows:

Clarifier Surface Area:	1590 sf
Clarifier Volume:	155,000 gal
Approx. Weir Length:	141 lf

This yields the following unit hydraulic loading values, based on the total through flow per clarifier (clarifier effluent flow), divided by the total surface area:

Test #	Flow Rate per Clarifier (mgd)	S.O.R (gal/sf/d)	Weir Loading (gal/lf/d)
#1	1.4	880	10,000
#2	2.4	1510	17,000

### A.2 Secondary Clarifier Solids Loadings:

The following average loading rates and activated sludge characteristics were present in the clarifier during the two test periods:

#### SOLIDS LOADINGS

	Test #1	Test #2
Test Flow Q (mgd)	1.4	2.4
RAS Flow Q <sub>R</sub> (mgd)**	0.7	0.7
Total Q + R (mgd)	2.1	3.1
Aver. MLSS (mg/l)	3200	3460
Aver. RAS (mg/l)	8000	9210
Lbs. Added/day (1,000 Lbs)	56	89
Lbs. removed/day (1,000 Lbs)	47	54
DIFFERENCE (1,000 Lbs)	-9	-35
Solids Loading (Lb/sf/d)	35	56

### B. Vertical Solids Profiles (VSPs):

For each test, the entire vertical water column was cross-sectioned at three locations along its access bridge at multiple times during each test using the portable Royce Model 711 Suspended Solids meter.

## VII. THE TEST RESULTS

### A. Detention Time Dye Tests:

A flow curve was developed for each test clarifier for each flow condition by sampling the dye concentration in the effluent from each clarifier over several hours. For each test, the dye was introduced into the centerwell or EDI of each test clarifier so that it would be well distributed as it entered the clarifier. During each of the tests, whole effluent samples were collected initially at 5-minute intervals, then at greater intervals after the dye concentrations had peaked. The results of each of these tests are shown in the "Dye Test Summary" (attached) and are summarized in the following table. In this table, the theoretical detention time of a clarifier is based on the clarifier volume divided by its effluent flow:

#### Secondary Clarifier #1

Test #	Test Flow Rate (mgd)	Tt (min)	Ti (min)	Ti/Tt Effic. (%)	Tm (min)	Modal Effic. (%)	Ta (min)	Hydraulic Effic. (%)
1	1.4	166	20	12	55	33	75	45
2	2.4	93	15	16	25	27	49	53

### B. Other Observations:

#### 1. Vertical Solids Profiles:

Vertical solids profiles (VSPs) of the entire water column were conducted at three locations along the siaccess bridge. These VSPs were collected at different times throughout each test period in order to observe the changes in blanket levels and the amount of solids in each clarifier. The following are the results:

#### TEST #1 @ 1.4 mgd

Time: 0740

Time: 0900

Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.1	0	0		-1'	2.8	0	0	
-2'	2.9	0	0		-2'	2.3	0	0	
-3'	2.9	0	0		-3'	2.3	0	0	
-4'	2.1	0	0		-4'	0.5	0	0	
-5'	2.8	0	0		-5'	0	0	0	
-6'	0.5	0	0.1		-6'	0	0	0	
-7'	1.0	0	0.1		-7'	0	0	0	
-8'	1.0	0	0.1		-8'	0	0	0	
-9'	1.1	1.2	0.4		-9'	1.3	1.0	0.2	
-10'	1.0	2.3	3.0		-10'	1.3	1.6	1.6	
-11'	1.7	5.1	9.0		-11'	2.7	5.1	9.3	
-12'	10	10			-12'	5.7	7.9		
-13'	10				-13'	9.1			
<b>Tot.</b>	<b>41.0</b>	<b>18.6</b>	<b>12.7</b>	<b>72</b>	<b>Tot.</b>	<b>28.0</b>	<b>15.6</b>	<b>11.1</b>	<b>55</b>

Time: 1010					Time: 1105				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.5	0	0		-1'	2.7	0	0	
-2'	3.4	0	0		-2'	2.7	0	0	
-3'	3.3	0	0		-3'	2.7	0	0	
-4'	1.4	0	0		-4'	0.2	0	0	
-5'	0	0	0		-5'	0	0	0	
-6'	0	0	0		-6'	0	0	0	
-7'	0.1	0	0		-7'	0	0	0	
-8'	0.2	0	0		-8'	0.8	0	0	
-9'	1.2	0.3	0.2		-9'	0.9	1.3	1.7	
-10'	1.8	2.3	2.2		-10'	1.2	3.1	2.7	
-11'	2.0	4.8	6.8		-11'	5.7	5.2	6.5	
-12'	9.0	7.7			-12'	8.8	8.6		
-13'	10				-13'	10			
<b>Tot.</b>	<b>35.9</b>	<b>15.1</b>	<b>9.2</b>	<b>60</b>	<b>Tot.</b>	<b>35.7</b>	<b>18.2</b>	<b>10.9</b>	<b>65</b>

**TEST #2 @ 3.4 mgd**

Time: 1155					Time: 1300				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	1.6	0	0		-1'	4.1	0	0	
-2'	3.6	0	0		-2'	4.1	0	0	
-3'	3.6	0	0		-3'	4.1	0	0	
-4'	3.7	0	0		-4'	4.0	0	0	
-5'	1.4	0	0		-5'	3.6	3.0	2.6	
-6'	1.2	0	0		-6'	3.3	3.5	3.1	
-7'	1.7	0	0		-7'	3.8	3.5	3.3	
-8'	1.8	0	0		-8'	3.7	3.7	3.5	
-9'	1.2	1.7	1.9		-9'	3.8	3.6	3.6	
-10'	1.1	3.0	8.8		-10'	5.3	4.5	5.2	
-11'	2.9	5.9	5.8		-11'	5.8	7.8	8.9	
-12'	9.3	8.5			-12'	6.4	10		
-13'	10				-13'	9.8			
<b>Tot.</b>	<b>43.1</b>	<b>19.1</b>	<b>16.5</b>	<b>79</b>	<b>Tot.</b>	<b>61.8</b>	<b>39.6</b>	<b>30.2</b>	<b>132</b>

Time: 1345

Depth	2'	7'	16'	Tot.
-1'	4.1	0	0	
-2'	4.1	0	0	
-3'	4.1	3.5	2.8	
-4'	4.2	3.8	3.8	
-5'	4.2	4.1	3.7	
-6'	4.1	3.8	3.8	
-7'	4.1	4.2	4.0	
-8'	4.1	4.1	4.2	
-9'	4.0	4.8	5.2	
-10'	6.0	6.9	7.0	
-11'	7.9	7.6	8.9	
-12'	8.9	9.0		
-13'	10			
<b>Tot.</b>	<b>69.8</b>	<b>51.8</b>	<b>43.4</b>	<b>165</b>

END OF TEST

## 2. Return Sludge Flows:

The return sludge (RAS) flow rate from each clarifier were controlled by a return sludge pump. The flow from the test clarifier was estimated to be 0.7 mgd for each test. Based on an average of the grab samples collected during the tests, the following were determined to be the approximate RAS concentrations (in mg/l):

### Average RAS Concentrations

Test Flow	RAS Flow	FC-1
1.4 mgd	0.7 mgd	8000
2.4 mgd	0.7 mgd	9210

## 3. Effluent TSS Tests:

In order to verify the performance of the test clarifiers, discrete samples were grabbed every ½-hour from each test clarifier's effluent launder as it exited the clarifier. The following are the results of these effluent TSS results (in mg/l) for the respective stress test flow rates, followed by the observed low and high values:

Clarifier FC-1	ETSS	Effl. DSS
Test #1 @ 1,1 mgd	12(10-13)	6
Test #2 @ 2.4 mgd	17(14-20)	12

#### 4. Activated Sludge MLSS and Settleability:

During the stress tests, the MLSS was sampled every ½-hour throughout the test period. Some samples were also settled for 30 minutes to determine their Sludge Volume Index. These settled samples yielded the following average results:

Test #	MLSS	SVI
Test #1	3200	91
Test #2	3460	96

### VIII. DISCUSSION OF TEST RESULTS

#### A. Short-Circuiting Currents:

The currents in activated sludge clarifiers are usually rather straight-forward: the flow from the inlet drops downward and forms a density current that progresses towards the perimeter. The design of the inlet and the effluent launders can often minimize this pattern, but some density current is still going to form.

Based on the flow curves, at the initial flow rate of 1.4 mgd per clarifier, the clarifiers exhibited the moderate short-circuiting currents, with dye reaching the effluent launders in 20 minutes. As the flow rate was increased, the clarifier showed a dramatic increase in short-circuiting, with the dye reaching the launders in 15 minutes.

Aside from the general short-circuiting, the maximum current measured was in the range of 2- to 3-fpm at the -9 and -10-ft depth during the first stress test. During the second stress test, there were negligible currents because of the extremely elevated sludge blanket; this high sludge blanket dampens any currents.

#### B. Sludge Blanket Formation:

There was very little accumulation of a sludge blanket during the initial test at 1.4 mgd. As the flow was increased for the second test, the amount of solids in the test clarifier increased dramatically, leading to a failure due to the imminent loss of the blanket. This was apparent from the tremendous increase in the solids in the clarifier in less than three hours at the higher flow rate.

### C. Return Sludge Flows:

The clarifier was initially operated at its normal RAS rate of 0.7 mgd during the first flow rate test. Since this was the maximum capacity of the RAS pump, the rate during the second test at 2.4 mgd remained the same 0.7 mgd. As noted previously, this flow rate was confirmed by the "drawdown" test.

It should be noted that, when more than one RAS pump is in service, the individual pump capacity is reduced due to the additional pressure from the other RAS pump(s). Although there wasn't an opportunity to determine the maximum RAS capacity, it is likely that with all three pumps on line, their maximum output would be less than 2 mgd.

The current NEIWPCC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd.

### D. Other Observations:

#### 1. Effluent TSS (ETSS):

The ETSS was reasonably good during the first stress test, averaging 12 mg/l. During the second stress test, the ETSS increased slightly, averaging 17 mg/l, with the highest ETSS of 20 mg/l. However, it should be noted that with the excellent quality of the MLSS produced by the aeration system, a clarifier with better hydraulic characteristics could have produced an effluent of 6 mg/l at the first flow rate, and an effluent of 12 mg/l at the higher flow rate. This indicates that an improvement in the hydraulic characteristics of these clarifiers could generate an improvement of 30 to 50% reduction of ETSS.

#### 2. Scum:

At no time during these tests did there appear to be an excessive amount of surface scum on the clarifier.

#### 3. Sludge Collection Mechanisms:

The sludge collection mechanisms on the test clarifier appeared to be operating normally

## IX. CONCLUSIONS and RECOMMENDATIONS:

The primary objective of this field study was to evaluate the hydraulic performance characteristics of these test clarifiers while operating at both normal and elevated flow rates and solids loadings.

By all standards, whether based on the flow curves, the density currents, and especially effluent TSS at higher flow conditions, these clarifiers had significant performance issues at the elevated flow rates.

It should be noted that, if the MLSS were not so well-developed, with a better-than-normal Sludge Volume Index, these clarifiers would not have performed as well as they did under these stressed loading conditions. This is a function of excellent process control which enables a clarifier system to out-perform expectations.

The following are some recommendations for consideration for these clarifiers:

1. With regard to the arrangement of the centerwell/influent baffle, as presently constructed, there is an inclination for the flow to be directed downward toward the sludge hopper. Not only would this work against the collection of the return sludge, it would also help form the density current. Although the impact of this feature could not be measured during these tests, it is our recommendation that there be an influent baffle re-design to enhance flocculation and to prevent the flow from being directed downward. The redesign that we recommend is a Type II LA-EDI, with the enhanced flocculation appurtenances. (See attached CFD analysis)
2. The presence of the horizontal "density current" baffle beneath the effluent weirs appears to be working as intended. Although there is often a concern with solids collecting on the surface of the baffle, this is not identified as a problem in these clarifiers. Accordingly, we recommend retaining the existing baffle.
3. The most serious concern with this test clarifier, and the entire clarifier system, is the lack of return sludge capacity. The current NEIWPC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd. As demonstrated by the rapid increase in solids retained during the high flow rate test, this deficiency is the most serious performance-limiting factor in this clarifier system. Accordingly, we recommend immediate attention to this deficiency.
4. A basic tenet of good clarifier operation is the even distribution of flow into and out of a clarifier. From our limited observations during these tests, it appears that the distribution of the influent to these clarifiers would be a continuing challenge. While the installation of simple rectangular weirs in the effluent



launder could permit some basic control of the flows, a further exploration of this subject is beyond the scope of this report. However, the achievement of an even balancing of flows into the individual clarifiers of a clarifier system is essential to process control and optimal performance.

**In Summary,** this clarifier system has two significant performance-limiting factors: the absence of an optimum centerwell and a major lack of RAS pumping capacity. As demonstrated by the balance of solids into and out of the test clarifier, the system will not be able to meet its performance expectations until, at least, the RAS pumping limitation is addressed. It should be recognized that the main reason why this system has been able to perform so well with these limitations is that the operation of the activated sludge process continues to generate a MLSS with such admirable settling characteristics.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-05
Project Title:	Clarifier Replacement
Category:	Equipment
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

Secondary clarifiers are reaching their expected end of useful life. Potential exists for failure of lower assembly and structural supports. It is possible that concerns for future failure could be addressed as part of the clarifier upgrade project.

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

Secondary clarifiers are a crucial component of the treatment process.

**Discuss Operating Budget Impact:**

Necessary to maintain treatment.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$50,000					\$50,000	<input checked="" 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	\$900,000					\$900,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$1,250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,250,000</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>\$1,250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,250,000</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					



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

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Project Number:	2025-440-04		
Project Title:	Replace WWTP Generator		
Category:	Equipment		
Department:	Sewer	Contact:	William Branton
Project is:	New [ ]	Recurring [ ]	Resubmission [ X ]
	Multiyear [ ]	Phase	___ of ___

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**  
Replace diesel generator at WWTP. Current generator is reaching its end of useful life.

**Benefits of Project and Impact if Not Completed:**  
A new generator would be significantly more efficient and would use less fuel and pollute less.

**Discuss Operating Budget Impact:**  
By replacing with a generator with better standards the division could participate in various energy programs to seek grant funding for the generator, or seek participation in a brown out energy rebate program.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$30,000					\$30,000
Land Acquisition	\$0					
Construction	\$50,000					\$50,000
Equipment/Furnishings	\$300,000					\$300,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$380,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$380,000</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>\$380,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$380,000</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: FY2020 - FY2024

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-04	
Project Title:	Influent Pump Upgrade	
Category:	Repair & Maintenance	
Department:	Sewer	Contact: William Branton

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

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					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$30,000					\$30,000	<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$1,600,000					\$1,600,000	<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	\$1,630,000	\$0	\$0	\$0	\$0	\$1,630,000	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,630,000	\$0	\$0	\$0	\$0	\$1,630,000

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					

## **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

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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 Scltuate DPW\Proposals\Preliminary Capital Budget 101917.docx



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-433-01
Project Title:	Transfer Station Backhoe
Category:	Equipment
Department: Transfer Station	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

Replacement of 2013 Cat 430F Backhoe Loader (Mileage: 10,000+ 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 compact municipal solid waste, scrap metal and construction demolition debris to provide efficient management of waste. This piece of equipment is also used in snow plow operations at the transfer station, public roadways and parking lots throughout Town.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$142,000	\$142,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$142,000</b>	<b>\$142,000</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>\$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

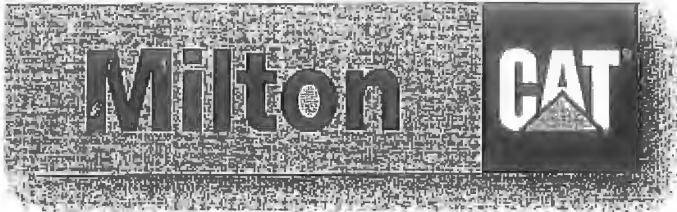
Recreation

Historical

Housing

**Operating Budget Impact**

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



**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

**Budget Quotation**

DATE: June 25, 2019

**Scituate DPW**  
 600 Chief Justice Cushing Hwy.  
 Scituate, Ma.

**State Contract:** FAC88

Qty	Description	List Price	State Contract Price
1	New 2019 CAT 440 backhoe with: Deluxe Cab with heat and AC, Radio, Suspension Seat Cold Weather Package, Front Counterweight 4WD with Autoshift Transmission, Flip over pads 1.5 cu yd loader bucket with quick coupler and 3rd Valve 24" Jaw Bucket, Ext-Stick, 48" forks Parts and Service Books, 3 year -1000hr full warranty 2 Front and 2 Rear LED flashing safety lights Ride Control, Tier 4 Final engine, Nokian Road tires Delivery and training , 3 years Product Link Pro	\$ 187,500.00	\$ 129,900.00
Options:			
1	Material Handling Arm		<del>\$ 4,150.00</del>
1	48" Tilting Ditch Bucket		\$ 4,900.00
1	BA25 Angle Broom		<del>\$ 14,850.00</del>
1	10Ft Everest Plow High Discharge		<del>\$ 14,500.00</del>
Trade In:			↓ 10,000
			<del>(\$40,000)</del>

**Total State Contract Delivered Price: \$ ~~458,300.00~~**

**Tom Benedetti Jr**  
 Governmental and State Sales

\$ 10,200

Total  
 \$142,000  
 plow by others







CENTRAL CHRYSLER DODGE JEEP RAM OF  
191 NEW STATE HWY  
RAYNHAM, MA 027675445

CONFIDENTIAL & PRIVATE

*[Handwritten signatures and initials]*

Date Printed: 2018-09-21 1:45 PM VIN:  
Estimated Ship Date: VON:

QUANTITY: 1  
STATUS: BA + Pending Order  
FAN 1: 005MN PLYMOUTH COUNTY SHERIFF'S DEPT  
FAN 2:  
Client Code:  
Bill Number: TBZ06B  
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. GAS 4X4 (140 in Wheel Base) (D1ZL6Z)

Model:	Sales Code	Description	MSRP (USD)
Package:	DJL 02	2500 TRADESMAN REG. GAS 4X4 (140 in Wheel Base) (D1ZL6Z)	34,095
	Z-A	Customer Preferred Package Z-A	0
	ETK	3.7L I6 Cummins Turbo Diesel Engine	2,100
	DG7	8-Speed Automatic 68RFE Transmission	0
Paint/Options:	PBU	True Blue Pearl Coat	0
	APA	Monochromic Paint	0
	YSX	White Grade Vinyl AD/BDL 60 Bucket Seat	195
	XB	Black/Diesel Gray	0
Options:	4DH	Prophid Holdbody	0
	AES	Delivery Allowance - Credit	0
	MAF	Fleet Purchase Incentive	0
	UAI	Uconnect 3.0	185
	XAC	ParkView(TM) Rear Back-Up Camera	245
	MRT	Chrome Tubular Side Steps	525
	OSA	Anti-Split Differential Rear Axle	395
	ACL	DOT Certified Roadside Safety Kit	185
	XXS	Ultratec Electronic Module (VSM)	325
	XMP	Spray-In Bedliner	485
	LNJ	Fog Lamps	165
	LHL	Auxiliary Switches - 1/P Mounted	145
	AED	Chrome Appearance Group	395
	PK3	Edge-Split On-The-Fly Transfer Case	210
	AWH	Rogue and Remote Entry Group	195
	ADE	Cold Weather Group	85
	FPF	Power Black Trailer Tow Mirrors	195
	XBC	Trailer Brake Control	280
	AHD	Heavy Duty Snow Plow Prep Group	135
	5NB	Ramp Drive	0
	4FM	Fleet Profit Editor	0
	4FT	Fleet Sales Order	0
	Y32	Zone 2 - New Year	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Equipment For Incentive	0
Bill Number:	TBZ06B	Government Incentive	0

\$39,561.00 + Plow 6500 ~ \$46,061 ~ 47K  
+ Saver \$7000 ~ 54,060

Note: This is not an invoice. The prices and equipment shown on this invoice are tentative and subject to change or correction without prior notice. No claims against the manufacturer or dealer 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 dealer.



**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 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2021-433-04		
Project Title:	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:**

Existing tractor used to move trailers around the site and in and out of the tunnel to manage municipal solid waste.

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

Replace 1983 Tractor Yard Jockey

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$65,000	\$65,000				
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: FY2021 - FY2025**

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

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

Project Number:	2022-433-01		
Project Title:	Transfer Station Loader		
Category:	Equipment		
Department:	Transfer Station	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]      Phase - Final

**Description:**

*Replacement of 2010 Cat 928HZ Front End Loader (Mileage: 15,600 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, load glass and heavy items throughout the site. This piece of equipment is also used in snow plow operations at the transfer station, public roadways and parking lots throughout Town.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025	<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 type="checkbox"/> Grant(s) or Other _____
Equipment/Furnishings	\$170,000		\$170,000					
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

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					



**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: May 4, 2017

**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 2017 CAT 938M High Lift 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 Volvo ISO coupler with 3rd Valve hydraulics 3.8 yd General Purpose Bucket with BOCE, 2 Front and 2 Rear LED flood lights Rear View Camera integrated into display Roof mount Beacon 1 year full warranty, Delivery and training	\$ 307,458.78	\$ 159,100.00
Options: 1	12ft Power Angle plow		\$ 10,900.00

**Total State Contract Delivered Price: \$ 170,000.00**

**Tom Benedetti Jr**  
 Governmental and State Sales  
 Mobile Phone: 774-258-1636  
 Fax: 774-907-3062  
 tom\_benedetti@miltoncat.com





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2022-433-02		
Project Title:	Trenching & Installation of conduit for Computer Access		
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 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
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$50,000		\$50,000				<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>\$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		CPA Purpose(s) Check all that apply				
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>

**Operating Budget Impact**

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

**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 PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-450-01
Project Title:	Replace 2005 Chevy Colorado Pick Up
Category:	Equipment - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

This vehicle was in an accident on 2/1/19 (see attached reports) and was deemed a Total Loss. We received an insurance payment of \$1,937.00 for the estimated value less deductible. Recommend replacing this truck with a 2500 4x4 Pick Up with a plow for snow removal.

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

This truck is essential to perform all aspects required in the operation and maintenance of the water system.

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 will be \$48,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$48,000	\$48,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$48,000	\$48,000	\$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	\$48,000	\$48,000	\$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					



2021-450-01

JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
288	4 Whelen Vertex Corner Flashers	\$ 800.00
1899	Spray-in Type Bedliner for Pick up	\$ 650.00
1913	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5066	Fisher 8' HD2 Snow Plow System	\$ 5,950.00
<b>TOTAL DELIVERED PRICE</b>		<b>\$43,239.20</b>

\* 10% Cont. = 47,563.12

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.

Requesting \$48,000.00

Sincerely,

Kevin Nugent  
Fleet Sales Manager





2021-450-02

JL1	Electronic Trailer Brake Controller	\$ 266.75	
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25	
5H1	2 Additional Keys	\$ 43.65	
Customer Requested Option:			
ZLQ	Work Truck Convenience Package	\$ 1,358.00	
Additional Contract Options:			
1552	Whelen Mini Liberty LED Lightbar	\$ 1,225.00	
288	4 Whelen Vertex Corner Flashers	\$ 800.00	
1899	Spray-in Type Bedliner for Pick up	\$ 650.00	
1913	Slide-in Combination Pintel/Ball Hitch	\$ 150.00	
5066	Fisher 8' HD2 Snow Plow System	\$ 5,950.00	
	<b>TOTAL DELIVERED PRICE</b>	<b>\$43,239.20</b>	<i>+ 10% Cont. = 47,563.12</i>

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.

*Requesting \$48,000.00*

Sincerely,

Kevin Nugent  
Fleet Sales Manager





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19 \_\_\_\_\_

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

Project Number:	2021-450-03
Project Title:	*Permanent Residuals Disposal 18B Treatment
Category:	Study/Design/Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multyear [ ]      Phase - Final

**Description:**

Design / engineer and construct sedimentation basins or other apparatuses approved by DEP as part of the Residuals Management Plan for Well 18 B. Recently Greensand Filter Treatment was installed at Well 18 B for emergency use while repairs were made at the Old Oaken Bucket Treatment Plant. Although the treatment was designed for permanent use the disposal system for the backwash water was only designed for temporary use. In order to fully utilize this well a permanent solution to the backwash water must be addressed.

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

The benefits of this project will be the permanent addition of approximately 200,000 gallons per day of filtered water being added directly into the water system.

If this project is not completed the impact will be a cost of \$600.00 per day (\$219,000.00 annually) to haul away the backwash water to the Scituate Sewer Plant. However this puts an unnecessary burden on the already struggling sewer plant and if we had to dispose of it another facility there would be an added disposal fee.

**Discuss Operating Budget Impact:**

The operating budget Impact of this study will be \$350,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$75,000	\$75,000					<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$275,000	\$275,000					<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>\$350,000</b>	<b>\$350,000</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>\$350,000</b>	<b>\$350,000</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: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-450-04
Project Title:	Chemical Feed System Replacement - 2 locations
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ ]      Phase - Final

**Description:**

Full replacement of KOH (Potassium Hydroxide) bulk storage chemical feed tanks including piping, pumps, and day tank at two facilities.

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

This upgrade will replace both bulk and day tanks that have gone beyond the manufacturers usable life expectancy. This project will increase the safety of our personnel as well as the general public by addressing failed or leaking piping and help prevent large chemical spills due to aging infrastructure.

Not funding this project will force staff to continue to deal with leaking chemicals and continue the risk of a large chemical spill from failed parts/equipment.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$35,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
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>\$35,000</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>\$35,000</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

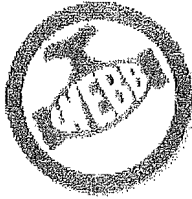
Housing

**Operating Budget Impact**

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



2021-450-04



# F.W. WEBB COMPANY

180 OLDE CANAL DRIVE  
LOWELL, MA 01851  
Phone: 978-937-9322 Fax: 978-937-5522

This is your Quotation from F.W. Webb Company.  
Please review the products listed on this quotation for accuracy and completeness.

Quotation number: 63306562	Ship to: Town Of Scituate Dpw 4 Old Oaken Bucket Rd Scituate, MA 02066-4431 Job: Well #19	Bill to: Town Of Scituate Dpw 4 Old Oaken Bucket Rd Scituate, Ma 02066-4431 781-545-8735
Quote Date : 06/04/2019		

Cust.Nbr: 131088	Customer PO: QUOTE ONLY	Ref:	Job: WELL 19	Quoted By: DMG	Requested: 06/04/2019
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Quantity	Description	Net Price	Total
46	THERMOPLASTICS *USCLABORCHARGE #labor Charge NOTE:PLEASE MAKE CONCRETE PAD EXTENDER FROM 1/2" POLYETH SHEET TO EXTEND PAD FROM 55" TO 64" INCLUDING LEG SUPPORT	\$120,000	\$5,520.00

Subtotal	\$5,520.00
Shipping	\$0.00
Handling	\$0.00
Tax	Tax Not Included
Total	\$5,520.00

Thank you for the opportunity to provide product pricing to meet your business needs.  
Please visit our website for additional products or information <http://www.fwwebb.com>  
This Quotation is valid for 15 days after the above Quote Date.  
\* Restocking fees may apply on any Special Order Items.

Please Note: This email was sent from a notification-only address that cannot accept incoming email. Please do not reply to this message.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-450-05
Project Title:	Repairs to Water Treatment Plant
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multyear [ ] Phase - Final

**Description:**

Replace the 30+ year old roof on the Old Oaken Bucket Surface Water Treatment Plant. Water is leaking through the roof into multiple areas in the plant (see attached pictures). The project is to be managed by the Water Department.

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

Water leaking through the roof poses a serious threat not only to the public water supply but also to electrical equipment and safe operation of the treatment plant (slips, falls, electrical shock).

**Discuss Operating Budget Impact:**

The operating budget impact of the repairs is \$100,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input type="checkbox"/> Tax Levy	<input type="checkbox"/> Debt
Land Acquisition	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Construction	\$100,000	100,000					<input type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Equipment/Furnishings	\$0						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
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

2021-480-05

# RBD/DEVLIN CONSTRUCTION, Inc

*Roofing, Carpentry, Siding & Gutters*

Paul W. Devlin, Jr.

494 Hatherly Road, Scituate, MA 02066

781-545-2121 Fax 781-545-5341

rbdconstruction@mac.com

September 23, 2019

Town of Scituate  
1 Countryway.  
Scituate, Ma.

Attn: Nora

We appreciate the opportunity to quote town of Scituate on a new EPDM roof to to 160'x60' area of water treatment building include all materials, and labor and equipment.

Remove existing roof system

- Fully adhere Insulation to concrete deck.
- Install rust strip at all required locations.
- Fully adhere .060 Carisle EPDM.
- Install new drains.
- Install metal edge at perimeter and flash.
- Remove all debris from premises, and restore area to original condition

**Estimated cost: \$85,500.00** + 15% = 12,825. Requesting \$100,000

Upon completion of the job, our workmanship shall be guaranteed for a period of ten (10) years. Certificate of Liability and Workman's Compensation will be furnished upon request. I do all my own work.

Accepted Payment options are: Checks and Major Credit Cards (Limit \$ 5,000 on credit cards).

Thank you for allowing us to bid on your work. If you have any questions, please don't hesitate to call.

Sincerely, Paul W. Devlin Jr.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-450-06
Project Title:	Replace Water Mains
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

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. Also adding hydrants to dead end streets increases the effectiveness of the flushing program helping to reduce discolored water complaints.

**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 \$2,000,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,000,000	\$2,000,000					<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
<b>TOTAL</b>	<b>\$2,000,000</b>	<b>\$2,000,000</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>\$2,000,000</b>	<b>\$2,000,000</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					

2021-450-06

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Simpson  
 August 16, 2018

<i>Cast Iron Pipe Replacement (Phase 3C)</i>	<i>Footage</i>	<i>Engineering &amp; Contingency</i>	<i>Construction</i>	<i>TOTAL</i>
Collier Avenue (Already Done)				
Pegolty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,350	\$ 112,548	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>
<i>CI Pipe Abandonment/Service Transfer (Phase 3C)</i>	<i>Footage</i>	<i>Engineering &amp; Contingency</i>	<i>Construction</i>	<i>TOTAL</i>
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>
<i>2-Inch Galvanized Iron Replacement (Phase 4)</i>	<i>Footage</i>	<i>Engineering &amp; Contingency</i>	<i>Construction</i>	<i>TOTAL</i>
Donnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricknet Circle	450	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 127,000	\$ 147,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,920	\$ 120,000	\$ 139,920
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Pine Brook Lane	240	\$ 7,968	\$ 48,000	\$ 55,968
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>
<i>Humarock Pipe Replacement with 8" PVC (Phase 4)</i>	<i>Footage</i>	<i>Engineering &amp; Contingency</i>	<i>Construction</i>	<i>TOTAL</i>
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 191,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,190	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>
<b>Grand Totals:</b>	<b>53,272</b>	<b>\$ 1,432,771</b>	<b>\$ 7,295,867</b>	<b>\$ 8,728,639</b>





2021-450-07

# Ti SALES

36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By:	Ryan Hourihan					
						02509364
Remit to:				Subtotal		\$8,445.96
TI-SALES, Inc.				Other Charges		\$0.00
36 Hudson Road				Tax		\$0.00
Sudbury, MA 01776-2039				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Invoice

SEP 03 2019



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2021-450-08
Project Title:	Ice Pigging
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Caffarty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

This project will utilize Ice Pigging technology to target the areas of largest complaints for discolored water in addition to our regular flushing program. It also helps to address the larger diameter pipes in town that would otherwise consume larger quantities of water to flush traditionally.

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

Reduction of discolored water while conserving water resources.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$400,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$400,000	\$400,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input 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>\$400,000</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>\$400,000</b>	<b>\$400,000</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					

80-0571-100

**Capital Improvement Planner**

Item No.	Description	Fund/Type	Interest Rate	Estimated Cost	Start Year	End Year
32	Repairs to Water Treatment Plant	Rate	N/A	\$ 51,000	2018	2020
33	New Treatment Well 17A (construction)	Debt	2%	\$ 8,000,000	2018	2022
34	Ice piling	Rate		\$ 300,000	2018	2018
35	Hydraulic model	Rate	N/A	\$ 75,000	2017	2019
36	Water Main Test	Rate		\$ 2,000,000	2017	2020

x2 Fall 2019  
 Spring 2020  
 Requesting 400,000.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/19/19

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

Project Number:	2022-450-01
Project Title:	West End Well Investigation
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

Description:

Explore the potential to tap into a groundwater source separate from our existing wells in the West End. Added well capacity helps to make the system more resilient to drought conditions in the future.

Benefits of Project and Impact if Not Completed:

Potential expansion of drinking well water resources. Greater capacity to meet future needs and added resiliency to future drought conditions.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$300,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
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							<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

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					

10-057-450-01

Sean Anderson

---

From: Michael J. Schrader <MJSchrader@tigheBond.com>  
Sent: Friday, September 28, 2018 12:00 PM  
To: Sean Anderson  
Cc: John N. McClellan  
Subject: [NOTICE] budget input

After our phone call I went through the items with John. Honestly we're not going to have much time to spend on that because we are focused on the OOB, model ,etc. but this is what we were thinking

1. 188 treatment – use same budget number as 17A \$8m. hopefully less once we get into it
2. Engineering and Design, new WTP and SCADA - \$4.0 is good
3. West End Well investigation – 300K should be good
4. Chem upgrades at wells, assume \$450K per each to be conservative based upon OOB
5. West End Well – I'm waiting to hear back from some others relative to recent projects. Will forward when I get it.

Michael J. Schrader, P.E. | Project Manager

Tighe & Bond | One University Avenue | Westwood, MA 02090 | 781.708.9824 (direct) | 978.761.6380 (cell)

For conference call dial 1-605-475-5602 then 3999643903 followed by the pound sign



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2022-450-02
Project Title:	New Water Tank
Category:	Design/Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] Phase - Final

**Description:**

New water storage tank to augment existing water storage tanks.

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

This proposed 2M gallon water storage tank will increase both domestic & fire flow protection as well as allow for routine maintenance of existing storage tanks.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$2,500,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$350,000		\$350,000				<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$2,150,000		\$2,150,000				<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	\$2,500,000	\$0	\$2,500,000	\$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	\$2,500,000	\$0	\$2,500,000	\$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					

2022-450-02

New Tank (from Statewide Aqua store)	\$1,370,000.00
Site work	\$250,000.00
Engineering	\$324,000.00
Sub Total	\$1,944,000.00
Contingency / Inflation (15%)	\$291,600.00
Total	\$2,235,600.00
Requesting	\$2,300,000.00





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2022-450-03
Project Title:	Replace Water Mains
Category:	Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] Phase - Final

**Description:**

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 \$2,100,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$2,100,000		\$2,100,000				
Equipment/Furnishings	\$0						
Contingency	\$0						
Other	\$0						
<b>TOTAL</b>	<b>\$2,100,000</b>	<b>\$0</b>	<b>\$2,100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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						
Net of CPA and Grants	\$2,100,000	\$0	\$2,100,000	\$0	\$0	\$0	
<b>Operating Budget Impact</b>							
During Project	\$0						
Post-Project Annual							
Post-Project One-time	\$0						

2022-450-03

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Collier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390	\$ 112,548	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>

CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>

2-inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricketer Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 122,000	\$ 142,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,920	\$ 120,000	\$ 139,920
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Pine Brook Lane	240	\$ 7,968	\$ 48,000	\$ 55,968
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>

Humarack Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 191,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASEMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>

**Grand Totals: 53,272 \$ 1,432,771 \$ 7,295,867 \$ 8,728,639**



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/23/19

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

Project Number:	2022-450-4		
Project Title:	Reservoir Expansion		
Category:	Engineering/Design		
Department:	Water	Contact:	Sean Anderson/Kevln Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] 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 \$1,790,000.00.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2020	FY2021	FY2022	FY2023	FY2024	
Study/Design	\$1,790,000			\$1,790,000			<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 type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,790,000	\$0	\$0	\$1,790,000	\$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	\$1,790,000	\$0	\$0	\$1,790,000	\$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					

## 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 1,790,000	\$ 867,000

2022-450-04



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2022-450-05
Project Title:	10 Yr. Meter Replacement cycle program
Category:	Equipment - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multyear [ ] Phase - Final

**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 integrated 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 \$210,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$210,000		\$210,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$210,000</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>\$210,000</b>	<b>\$0</b>	<b>\$210,000</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					

2022-450-05



36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joa Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2E1FPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By:	Ryan Hourihan	02509364				
Remit to:		Subtotal		\$8,445.96		
TI-SALES, Inc.		Other Charges		\$0.00		
36 Hudson Road		Tax		\$0.00		
Sudbury, MA 01776-2039		<b>TOTAL DUE</b>		<b>\$8,445.96</b>		

Invoice

SEP 08 2019



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

2022-450-06

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2022-450-6		
Project Title:	Humarock Water Mains		
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 checked="" type="checkbox"/>
	Multyear <input type="checkbox"/>	Phase - Final	

Description:

Upgrade and replace critical water infrastructure. The mains in this area require repeated repair and have far exceeded life expectancy.

Benefits of Project and Impact if Not Completed:

Drastically reduce unaccounted for water in the Humarock area. This will result in fewer disruptions to service and potential cost savings as we purchase this water from the Town of Marshfield Water Dept.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$5,000,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$5,000,000		\$5,000,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input type="checkbox"/>	Tax Levy
<input checked="" 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

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$5,000,000	\$0	\$5,000,000	\$0	\$0	\$0

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, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Collier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390 \$	112,548 \$	678,000 \$	790,548
<b>Totals:</b>	<b>3,390 \$</b>	<b>112,548 \$</b>	<b>678,000 \$</b>	<b>790,548</b>

Ci Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920 \$	33,024 \$	76,800 \$	109,824
Gannett Road	7,300 \$	125,560 \$	292,000 \$	417,560
Kent Street (Already Done)				
Mann Lot Road	2,290 \$	39,388 \$	91,600 \$	130,988
Ocean Avenue	2,250 \$	38,700 \$	90,000 \$	128,700
Turner Road	3,500 \$	60,200 \$	140,000 \$	200,200
<b>Totals:</b>	<b>17,260 \$</b>	<b>296,872 \$</b>	<b>690,400 \$</b>	<b>987,272</b>

2-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150 \$	4,980 \$	30,000 \$	34,980
Bradford Avenue	1,050 \$	34,860 \$	210,000 \$	244,860
Brown Road	400 \$	13,280 \$	80,000 \$	93,280
Cedarwood Road	220 \$	7,304 \$	44,000 \$	51,304
Chittenden Road	1,000 \$	33,200 \$	200,000 \$	233,200
Claymore Terrace	260 \$	8,632 \$	52,000 \$	60,632
Crickit Circle	490 \$	16,268 \$	98,000 \$	114,268
Drew Place	410 \$	13,612 \$	82,000 \$	95,612
Foam Road	610 \$	20,252 \$	122,000 \$	142,252
Greenfield Terrace	750 \$	24,900 \$	150,000 \$	174,900
Hornbeam Road	600 \$	19,920 \$	120,000 \$	139,920
Jericho Lane	460 \$	15,272 \$	92,000 \$	107,272
Lantern Lane	250 \$	8,300 \$	50,000 \$	58,300
Pine Brook Lane	240 \$	7,968 \$	48,000 \$	55,968
Rainbow Court	300 \$	9,960 \$	60,000 \$	69,960
Sassanion Road	340 \$	11,288 \$	68,000 \$	79,288
Studley Royal Road	330 \$	10,956 \$	66,000 \$	76,956
Westgate Lane	180 \$	5,976 \$	36,000 \$	41,976
Wood Avenue	290 \$	9,628 \$	58,000 \$	67,628
Youngs Lane	280 \$	9,296 \$	56,000 \$	65,296
<b>Totals:</b>	<b>8,610 \$</b>	<b>285,852 \$</b>	<b>1,722,000 \$</b>	<b>2,007,852</b>

* Humarock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		12,350 \$	123,500 \$	135,850
PALFREY STREET	289 \$	8,717 \$	49,067 \$	57,784
BRUNSWICK STREET	428 \$	12,934 \$	72,810 \$	85,744
RIVER STREET	164 \$	4,961 \$	27,924 \$	32,885
CENTRAL AVENUE	6356 \$	191,956 \$	1,080,548 \$	1,272,505
RIVER STREET	832 \$	25,121 \$	141,410 \$	166,531
JULIAN STREET	179 \$	5,410 \$	30,452 \$	35,862
MARSHFIELD AVENUE EASEMENT	340 \$	10,275 \$	57,838 \$	68,113
LOWELL STREET EASEMENT	322 \$	9,738 \$	54,817 \$	64,555
OLD MOUTH ROAD	505 \$	15,244 \$	85,809 \$	101,052
OLD MOUTH ROAD	579 \$	17,481 \$	98,401 \$	115,882
CLIFF ROAD SOUTH	4339 \$	131,034 \$	737,611 \$	868,645
CENTRAL AVENUE	623 \$	18,801 \$	105,832 \$	124,633
DARTMOUTH STREET EASEMENT	268 \$	8,094 \$	45,560 \$	53,653
CENTRAL AVENUE	670 \$	20,247 \$	113,974 \$	134,221
CENTRAL AVENUE	331 \$	10,004 \$	56,315 \$	66,320
MANCHESTER STREET EASEMENT	335 \$	10,132 \$	57,034 \$	67,166
ALDEN AVENUE	225 \$	6,789 \$	38,218 \$	45,008
OCEAN DRIVE	1709 \$	51,604 \$	290,487 \$	342,091
RIVER STREET	525 \$	15,841 \$	89,172 \$	105,013
RIVER STREET	1166 \$	35,204 \$	198,166 \$	233,370
PALFREY STREET	252 \$	7,615 \$	42,868 \$	50,483
POSTSCRIPT LANE	501 \$	15,123 \$	85,130 \$	100,254
MANCHESTER STREET	274 \$	8,280 \$	46,610 \$	54,890
JULIAN STREET	426 \$	12,854 \$	72,356 \$	85,210
RIVER ROAD	50 \$	1,524 \$	8,580 \$	10,105
RIVER STREET	1715 \$	51,786 \$	291,509 \$	343,295
TEMPLE WAY EASEMENT	333 \$	10,067 \$	56,671 \$	66,738
MARSHFIELD AVENUE	275 \$	8,313 \$	46,797 \$	55,110
<b>Totals:</b>	<b>24,012 \$</b>	<b>737,499 \$</b>	<b>4,205,467 \$</b>	<b>4,942,967</b>
<b>Grand Totals:</b>	<b>53,272 \$</b>	<b>1,432,771 \$</b>	<b>7,295,867 \$</b>	<b>8,728,639</b>





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/19/19

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

Project Number:	2022-450-07
Project Title:	Ice Pigging
Category:	Construction - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

Description:

This project will utilize ice pigging technology to target the areas of largest complaints for discolored water in addition to our regular flushing program.

Benefits of Project and Impact if Not Completed:

Reduction of discolored water while conserving water resources.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$200,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$200,000		\$200,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input 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					

2002-450-01

**Capital Improvement Plans**

Project	Description	Funding Source	Rate	Estimated Cost	Start Year	End Year	
32	Repairs to Water Treatment Plant	Rate	N/A	\$ 51,000	2018	2020	
33	New Treatment Well 17A (construction)	Debt	2%	\$ 8,000,000	2018	2022	
34	Ice pigging	Rate		\$ 200,000	2019	2019	
35	Hydraulic model	Rate	N/A	\$ 75,000	2017	2019	
00	MEMORIAL TOTAL	TOTAL		\$ 8,326,000	2017	2022	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2023-450-01		
Project Title:	New Treatment Plant		
Category:	Construction		
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:**

Construction of new Surface Water Treatment Plant utilizing the current reservoir with added capacity to treat water from wells 17A and 18B as needed.

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

An new plant provides increased capacity to meet the needs of a growing community. Will provide required redundancy, updated technology and ensure a safe work environment. The much needed improvement will satisfy all current DEP and EPA requirements.

**Discuss Operating Budget impact:**

The operating budget impact of this project would be \$40,000,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$40,000,000			\$40,000,000			<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
<b>TOTAL</b>	<b>\$40,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000,000</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>\$40,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000,000</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					

2023-450-01

## Town of Scituate



Department of Public Works  
Water Division

Sean Anderson, Supervisor  
[sanderson@scituatema.gov](mailto:sanderson@scituatema.gov)  
Phone: (781) 545-8735

4 Old Oaken Bucket Rd  
Scituate, MA 02066-4431  
Fax: (781) 545-8643

2023-450-01  
New Treatment Plant Construction Cost

Tighe & Bond submitted a Draft Analysis dated 9/11/19 regarding the Old Oaken Bucket Treatment Plant. The price of a new Treatment Plant will depend significantly on what choices are made based upon the analysis. Based on discussions with Kevin Cafferty forty million dollars has been chosen as a placeholder for this project.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/23/19

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

Project Number:	2023-450-02
Project Title:	Replace Water Mains
Category:	Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

Description:

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 \$2,200,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$2,200,000			\$2,200,000			<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	\$2,200,000	\$0	\$0	\$2,200,000	\$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	\$2,200,000	\$0	\$0	\$2,200,000	\$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

2023-450-02

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Coiller Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390	\$ 112,540	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>

CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>

2-inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricket Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Draw Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 122,000	\$ 142,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,920	\$ 120,000	\$ 139,920
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Pine Brook Lane	240	\$ 7,868	\$ 48,000	\$ 55,868
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>

Humarock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 191,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>

**Grand Totals: 53,272 \$ 1,432,771 \$ 7,295,867 \$ 8,728,639**



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/19/19

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

Project Number:	2023-450-03		
Project Title:	Redevelopment of Public Wells		
Category:	Construction - Water		
Department: Water	Contact:	Sean Anderson, Kevin Cafferty	

Department Priority:

- Urgent/Legally Required  
 Maintain Service  
 Enhancement

Project is:	New [ ]	Recurring [ ]	Resubmission [ x ]
	Multiyear [ ]	Phase - Final	

Description:

Redevelopment of Drinking Water Wells to increase their 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 during critical times such as summer months.

Discuss Operating Budget Impact:

The operating budget impact of redeveloping wells will be a total of \$125,000 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
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$125,000			\$125,000			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$125,000	\$0	\$0	\$125,000	\$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	\$125,000	\$0	\$0	\$125,000	\$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					

2023-450-03

Maher Services, Inc.  
 71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

Proposal  
 MS-3448

<p>3/14/2018</p> <p>Sean Anderson          Scituate DPW Water Division          600 Chief Justice Cushing Hwy.          Scituate, MA 02066-          sanderson@scituatema.gov          Phone - (781) 545-8735          Fax - (781) 545-8643</p>	<p>Project: RE: Well 19 Redevelopment          Scituate, MA</p>
---	---

Item	Description	Estimated Quantity	Unit Cost	Tax able	Total
1	Mobilization, demobilization, remove and reinstall pump. Video inspect well before and after redevelopment.	1.00 ls	\$ 7,500.00		\$ 7,500.00
2	Steam clean, disassemble and inspect pump. The pump will be brought to our office steam cleaned, disassembled and inspected. After inspection we will provide a report detailing the condition of the pump and a cost estimate for any needed repairs.	1.00 ls	\$ 400.00		\$ 400.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	1.00 ls	\$ 3,000.00		\$ 3,000.00
4	Machine time to clean and redevelop the well. More or less than the estimated time will be billed at the hourly rate.	30.00 hr	\$ 150.00		\$ 4,500.00
5	Muriatic acid	110.00 gal	\$ 5.00		\$ 550.00
6	Chlorine	1.00 ls	\$ 30.00		\$ 30.00
					\$ 15,980.00
	<u>Optional</u>				
7	Pantonite PM 77 - double strength	55.00 gal	\$ 38.00		\$ 2,090.00
	<u>Please Note: Access must be provided</u>				
	Price includes Massachusetts Prevailing wage rates and certified payrolls.				
	Hoisting licenses for each operator will be provided.				
	All employees are OSHA 10 certified.				
	Insurance certificate including pollution liability will be provided				



2023-450-03

Maher Services, Inc.

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

Proposal  
 MS-3448A

<p>5/8/2018</p> <p>Sean Anderson          Scituate DPW Water Division          600 Chief Justice Cushing Hwy.          Scituate, MA 02066-          sanderson@scituatema.gov          Phone - (781) 545-8735          Fax - (781) 545-8643</p>	<p>Project: RE: Well 19 Pump Repairs          Scituate, MA</p>
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Item	Description	Estimated Quantity	Unit Cost	Tax able	Total
1	Goulds 10 WALC 3 stage, 300 GPM @ 110' TDH (stainless steel impellers, collets and bolts)	1.00 ls	\$ 4,230.00		\$ 4,230.00
1	(45') 6" column pipe with 1" stainless steel shafts and stainless steel drop in spiders,	1.00 ls	\$ 4,075.00		\$ 4,075.00
2	(1) bronze stuffing box bearing, (1) stainless steel head shaft, (1) stainless steel motor shaft	1.00 ls	\$ 1,650.00		\$ 1,650.00
					\$ 9,955.00
3	30 HP US motor overhaul if needed	1.00 ls			To be determined
	freight is not included				
	<u>Please Note: Access must be provided</u>				
	Price Includes Massachusetts Prevailing wage rates and certified payrolls.				
	Hoisting licenses for each operator will be provided.				
	All employees are OSHA 10 certified.				
	Insurance certificate including pollution liability will be provided				



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/23/19

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

Project Number:	2023-450-04		
Project Title:	Dolan Field Well		
Category:	Design/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 checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

Description:

Construction of a new gravel pack ground water well with necessary chemical treatment and apparatus.

Benefits of Project and Impact if Not Completed:

This project will increase ground water supply into system resulting in a decreased burden on surface water treatment plant. This makes the Town more drought tolerant and increases supply for future water needs.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$2,500,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,500,000			\$2,500,000			<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	\$2,500,000	\$0	\$0	\$2,500,000	\$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	\$2,500,000	\$0	\$0	\$2,500,000	\$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					

2023-450-04

## Town of Scituate



### Department of Public Works Water Division

Sean Anderson, Supervisor  
[sanderson@scituatema.gov](mailto:sanderson@scituatema.gov)  
Phone: (781) 545-8735

4 Old Oaken Bucket Rd  
Scituate, MA 02066-4431  
Fax: (781) 545-8643

2023-450-04  
Dolan Well Field

This project is still in the design and testing phase. When Weston and Sampson finish the study a firm number for construction will be given to us. Until then this \$2.5 million figure is a placeholder.



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2023-450-05		
Project Title:	Replace Chevy Pick-up		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

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:**

Replace pick-up 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 has been in service for 14+ years and has accumulated 150,000+ 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 this project would be \$59,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$59,000			\$59,000			<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	\$59,000	\$0	\$0	\$59,000	\$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	\$59,000	\$0	\$0	\$59,000	\$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					



2023-450-05

JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
288	4 Whelen Vertex Corner Flashers	\$ 800.00
1899	Spray-in Type Bedliner for Pick up	\$ 650.00
1913	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5066	Fisher 8' HD2 Snow Plow System	\$ 5,950.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$43,233.20</b>

2021-450-01  
Requesting \$43,000

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

2023-450-05

$49,000 \times 23.9\% = 59,040$   
Requesting \$59,000



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2023-450-06		
Project Title:	Emergency Generator and Electrical Upgrades at Wells 10 & 11		
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:

Install one primary electrical service to replace the existing three services. Upgrade electrical panels and install generator and transfer switch.

Benefits of Project and Impact if Not Completed:

These necessary upgrades would enable three electrical services to become replaced with one service and would provide cost savings as only one generator would then be needed for emergencies instead of three.

Discuss Operating Budget Impact:

The operating budget impact of this project would be \$450,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$450,000			\$450,000			<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$450,000	\$0	\$0	\$450,000	\$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	\$450,000	\$0	\$0	\$450,000	\$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					





2028-450-09

# TI SALES

36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backorder	Price	Extension
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R900i Cubic Feet  35 193PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						
				Subtotal		\$8,445.96
				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>
Remit to: TI-SALES, Inc. 36 Hudson Road Sudbury, MA 01776-2039						

Invoice

SEP 03 2019



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2024-450-01		
Project Title:	West End Well Construction		
Category:	Construction		
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:**

Construct a new Gravel Packed Well based on previous West End Well Investigations. This would include chemical treatment and generator.

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

Increase well supply capacity and drought resistance. Increase water supply redundancy and supply to insure sufficient water for all future needs.

**Discuss Operating Budget Impact:**

The operating budget impact of this project would be \$3,000,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$3,000,000				\$3,000,000	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000,000</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					
Net of CPA and Grants	\$3,000,000	\$0	\$0	\$0	\$3,000,000	\$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

<b>Capital Improvement Program: FY2021 - FY2025</b>		Date submitted: 9/23/19	Date of Last Edit: _____					
Project Number: 2024-450-02		Project Title: Replace Water Mains						
Category: Construction		Department: Water						
Contact: Sean Anderson, Kevin Cafferty		<b>Department Priority:</b> <input checked="" type="checkbox"/> Urgent/Legally Required <input type="checkbox"/> Maintain Service <input type="checkbox"/> Enhancement						
Project Is:    New    [ ]    Recurring [ x ]    Resubmission [ x ] Multiyear [ ]    Phase - Final								
<b>Description:</b> 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.								
<b>Benefits of Project and Impact if Not Completed:</b> 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.								
<b>Discuss Operating Budget Impact:</b> The operating budget impact of this project would be \$2,300,000.								
<b>Recommended Financing</b>								
		Estimated Project Costs by Fiscal Year					<b>Funding Source(s)</b> Check all that apply	
Funding Category	Five-Year Total	FY2021	FY2022	FY2023	FY2024	FY2025	<input type="checkbox"/> Tax Levy	
Study/Design	\$0						<input checked="" type="checkbox"/> Debt	
Land Acquisition	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Construction	\$2,300,000				\$2,300,000		<input type="checkbox"/> Capital Stabilization	
Equipment/Furnishings	\$0						<input type="checkbox"/> Free Cash	
Contingency	\$0						<input type="checkbox"/> Revolving Fund	
Other	\$0						<input type="checkbox"/> CPA	
<b>TOTAL</b>	<b>\$2,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,300,000</b>	<b>\$0</b>	<input type="checkbox"/> Grant(s) or Other _____	
							<b>CPA Purpose(s)</b> Check all that apply	
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space	
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation	
Net of CPA and Grants	\$2,300,000	\$0	\$0	\$0	\$2,300,000	\$0	<input type="checkbox"/> Historical	
<b>Operating Budget Impact</b>								
During Project	\$0						<input type="checkbox"/> Housing	
Post-Project Annual								
Post-Project One-time	\$0							

2024-450-02

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Collier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390 \$	112,548 \$	678,000 \$	790,548
<b>Totals:</b>	<b>3,390 \$</b>	<b>112,548 \$</b>	<b>678,000 \$</b>	<b>790,548</b>

CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920 \$	33,024 \$	76,800 \$	109,824
Gannett Road	7,300 \$	125,560 \$	292,000 \$	417,560
Kent Street (Already Done)				
Mann Lot Road	2,290 \$	39,388 \$	91,600 \$	130,988
Ocean Avenue	2,250 \$	38,700 \$	90,000 \$	128,700
Turner Road	3,500 \$	60,200 \$	140,000 \$	200,200
<b>Totals:</b>	<b>17,260 \$</b>	<b>296,872 \$</b>	<b>690,400 \$</b>	<b>987,272</b>

2-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150 \$	4,980 \$	30,000 \$	34,980
Bradford Avenue	1,050 \$	34,860 \$	210,000 \$	244,860
Brown Road	400 \$	13,280 \$	80,000 \$	93,280
Cedarwood Road	220 \$	7,304 \$	44,000 \$	51,304
Chittenden Road	1,000 \$	33,200 \$	200,000 \$	233,200
Claymore Terrace	260 \$	8,632 \$	52,000 \$	60,632
Cricket Circle	490 \$	16,268 \$	98,000 \$	114,268
Drew Place	410 \$	13,612 \$	82,000 \$	95,612
Farm Road	610 \$	20,252 \$	122,000 \$	142,252
Greenfield Terrace	750 \$	24,900 \$	150,000 \$	174,900
Hornbeam Road	600 \$	19,920 \$	120,000 \$	139,920
Jericho Lane	460 \$	15,272 \$	92,000 \$	107,272
Lantern Lane	250 \$	8,300 \$	50,000 \$	58,300
Pine Brook Lane	240 \$	7,968 \$	48,000 \$	55,968
Rainbow Court	300 \$	9,960 \$	60,000 \$	69,960
Sassamon Road	340 \$	11,288 \$	68,000 \$	79,288
Studley Royal Road	330 \$	10,956 \$	66,000 \$	76,956
Westgate Lane	180 \$	5,976 \$	36,000 \$	41,976
Wood Avenue	190 \$	9,628 \$	58,000 \$	67,628
Youngs Lane	280 \$	9,296 \$	56,000 \$	65,296
<b>Totals:</b>	<b>8,610 \$</b>	<b>285,852 \$</b>	<b>1,722,000 \$</b>	<b>2,007,852</b>

Humarack Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		17,350 \$	123,500 \$	135,850
PALFREY STREET	289 \$	8,717 \$	45,067 \$	57,784
BRUNSWICK STREET	428 \$	14,934 \$	72,810 \$	85,744
RIVER STREET	164 \$	4,961 \$	27,924 \$	32,885
CENTRAL AVENUE	6356 \$	191,956 \$	1,080,548 \$	1,272,505
RIVER STREET	832 \$	25,121 \$	141,410 \$	166,531
JULIAN STREET	179 \$	5,410 \$	30,452 \$	35,862
MARSHFIELD AVENUE EASEMENT	340 \$	10,275 \$	57,838 \$	68,113
LOWELL STREET EASEMENT	322 \$	9,738 \$	54,817 \$	64,555
OLD MOUTH ROAD	505 \$	15,244 \$	85,809 \$	101,052
OLD MOUTH ROAD	579 \$	17,481 \$	98,401 \$	115,882
CLIFF ROAD SOUTH	4339 \$	131,034 \$	737,611 \$	868,645
CENTRAL AVENUE	623 \$	18,801 \$	105,832 \$	124,633
DARTMOUTH STREET EASEMENT	268 \$	8,084 \$	45,560 \$	53,633
CENTRAL AVENUE	670 \$	20,247 \$	113,974 \$	134,221
CENTRAL AVENUE	331 \$	10,004 \$	56,315 \$	66,320
MANCHESTER STREET EASEMENT	335 \$	10,132 \$	57,034 \$	67,166
ALDEN AVENUE	225 \$	6,789 \$	38,218 \$	45,008
OCEAN DRIVE	1709 \$	51,604 \$	290,487 \$	342,091
RIVER STREET	525 \$	15,841 \$	89,172 \$	105,013
RIVER STREET	1166 \$	35,204 \$	198,166 \$	233,370
PALFREY STREET	252 \$	7,615 \$	42,868 \$	50,483
POSTSCRIPT LANE	501 \$	15,123 \$	85,130 \$	100,254
MANCHESTER STREET	274 \$	8,280 \$	46,610 \$	54,890
JULIAN STREET	426 \$	12,854 \$	72,356 \$	85,210
RIVER ROAD	50 \$	1,524 \$	8,580 \$	10,105
RIVER STREET	1715 \$	51,786 \$	291,509 \$	343,295
TEMPLE WAY EASEMENT	333 \$	10,067 \$	56,671 \$	66,738
MARSHFIELD AVENUE	275 \$	8,913 \$	46,797 \$	55,110
<b>Totals:</b>	<b>24,012 \$</b>	<b>737,499 \$</b>	<b>4,205,467 \$</b>	<b>4,942,967</b>

**Grand Totals: 53,272 \$ 1,432,771 \$ 7,255,867 \$ 8,728,639**



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2024-450-03		
Project Title:	Replace Utility Vehicle Body		
Category:	Equipment		
Department:	Water	Contact:	Sean Anderson/Kevin Cafferty

Department Priority:

- Urgent/Logally Required
- Maintain Service
- Enhancement

Project Is:	New [ ]	Recurring [ ]	Resubmission [ x ]
	Multiyear [ ]	Phase ___ of ___	

Description:

**Replace Utility Body**  
The expected useful life of a medium duty truck depends upon type of daily use. The average lifespan for an a medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. Truck has been in service for 13+ years and has accumulated 200,000+ 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 this project would be \$61,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$61,000				\$61,000		<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$61,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$61,000</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>\$61,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$61,000</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					

Scituate Water Division  
 4 Old Oaken Bucket Road  
 Scituate, MA 02066  
 Attn.: Sean Anderson

September 23, 2019

Dear Mr. Anderson,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract, with the Greater Boston Police Council. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

K2500 PICK UP w PLOW

Item #28	2020 Chevrolet Full Size K2500, 4x4 Silverado Pick up 142" Wheelbase, Regular Cab, Long Bed 10,250 GVWR 6.6 Liter V8 Gas Engine capable of 401 HP, Oil Cooler 6 Speed Automatic Transmission with Oil Cooler StabiliTrac: Proactive Roll Avoidance and Traction Control 170 Amp Alternator, 720 CCA Battery Electronic Shift Transfer Case, Push Button Controls Heavy Duty Locking Rear Differential Front Chassis Mounted Recovery Hooks Trailering Equipment w 7-Pin Connector Four Wheel Anti-Lock Front and Rear Disc Brakes (5) LT245/75R17E All Season Radials with Full Size Spare Black Front and Rear Step Bumpers Integrated BedStep on Forward Portion of the Bed 12 Cargo Tie Downs Rated to 500 LBS each Halogen Headlamps with Daytime Running Lights Feature OSRV Vertical Trailering Mirrors with Lower Convex Head Locking Tailgate and Bed Rail and Tailgate Protection Cap Audio: 7" Color Touchscreen, AM/FM Stereo with Bluetooth Connectivity Rear Vision Camera with Hitch Guidance Vinyl Trim, 40/20/40 Split Bench Seat with Center Fold Down Armrest Heavy Duty Vinyl Floor Mat Tilt Steering Wheel Factory Air Conditioning Factory Gauge Package with Tachometer and Tire Pressure Monitor Driver Information Center Manual Windows and Door Locks	\$31,205.00
Available Factory Options:		
QXT	LT265/70R17E All Terrain Radials	\$ 194.00
VYU	Factory Snow Plow Prep Package	\$ 373.45
RVS	4" Tubular Black Assist Steps	\$ 611.10

2024-450-03

JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
288	4 Whelen Vertex Corner Flashers	\$ 800.00
1899	Spray-in Type Bedliner for Pick up	\$ 650.00
1913	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5066	Fisher 8' HD2 Snow Plow System	\$ 5,950.00
	TOTAL DELIVERED PRICE	\$43,239.20

2021-450-01  
Requesting \$48,000

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,

2023-450-05  
Requesting \$59,000

Kevin Nugent  
Fleet Sales Manager

2024-450-03

$59,000 \times 3.4\% =$   
 $\$ 61,006$   
Requesting \$ 61,000



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/23/19

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

Project Number:	2024-450-04
Project Title:	10 Yr. Meter Replacement cycle program
Category:	Equipment - Water
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] Phase - Final

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 integrated 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 \$230,000.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Land Acquisition	\$0						<input type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Construction	\$0						<input type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Equipment/Furnishings	\$230,000				\$230,000		<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$230,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$230,000</b>	<b>\$0</b>		

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$230,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$230,000</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					



2021-450-04

# Ti SALES

36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2E1FPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						
				Subtotal		\$8,445.96
				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Remit to:  
**Ti-SALES, Inc.**  
36 Hudson Road  
Sudbury, MA 01776-2039

Invoice

SEP 03 2019





TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/23/19

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

Project Number:	2025-450-01
Project Title:	Replace Water Mains
Category:	Construction
Department: Water	Contact: Sean Anderson, Kevin Caffarty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] Phase - Final

**Description:**

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 \$2,400,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$2,400,000					\$2,400,000	<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>\$2,400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400,000</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>\$2,400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400,000</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

2025-450-01

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Collier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390	\$ 112,548	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>

Cl Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>

2-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricketer Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 122,000	\$ 142,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,920	\$ 120,000	\$ 139,920
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Pine Brook Lane	240	\$ 7,968	\$ 48,000	\$ 55,968
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>

Humarock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 191,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASEMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>

**Grand Totals: 53,272 \$ 1,432,771 \$ 7,295,867 \$ 8,728,639**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

<b>Capital Improvement Program: FY2021 - FY2025</b>				Date submitted: 9/23/19		Date of Last Edit: _____																																																														
Project Number: 2025-450-02		Project Title: 10 Yr. Meter Replacement cycle program		Category: Equipment - Water		Department: Water																																																														
Contact: Sean Anderson, Kevin Cafferty		Project is: New [ ] Recurring [ x ] Resubmission [ ]		Multiyear [ ] Phase - Final		Department Priority: <input type="checkbox"/> Urgent/Legally Required <input checked="" type="checkbox"/> Maintain Service <input type="checkbox"/> Enhancement																																																														
<b>Description:</b> 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.																																																																				
<b>Benefits of Project and Impact if Not Completed:</b> Replacement of the old water meters with integrated 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.																																																																				
<b>Discuss Operating Budget Impact:</b> The operating budget impact of this project would be \$240,000.																																																																				
<b>Recommended Financing</b>																																																																				
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2025-450-02



36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						
				Subtotal		\$8,445.96
				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Remit to:  
**TI-SALES, Inc.**  
36 Hudson Road  
Sudbury, MA 01776-2039

Invoice

SEP 03 2019



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Updated as of: October 2016

Capital Improvement Program: FY2021 - FY2025

Date submitted: 9/23/19

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

Project Number:	2025-450-03
Project Title:	Repair Mann Lot Standpipe - Construction
Category:	Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ] Phase - Final

Description:

The 1.0 Million gallon Mann Lot tank was built in 1938 and has served the town well for many years. The protective coating has been compromised in some areas and significant welding will be needed.

Structural repairs are needed to bring the tank up to OSHA code. Complete resurfacing of both the interior and exterior of the tank.

Benefits of Project and Impact if Not Completed:

Structural repairs and resurfacing protects our investment and insures an adequate supply of drinking water for both domestic use and 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
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$1,000,000					\$1,000,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	<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					
			FY2021	FY2022	FY2023	FY2024	FY2025	
\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	<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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11-9-16 Date of Last Edit: 9-12-19

Project Number:	FY 2021-298-01		
Project Title:	Replacement of 2004 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:**

The request is for a replacement of the 2004 Harbormaster truck, the truck is used on a regular basis by the harbormaster Department to go between the different facilities that the Harbormaster's Department has been charged with maintaining, the truck that is in service today is a 2004 GMC.

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

Replacement of this truck would be beneficial a newer truck would be more reliable , Also the vehicle would be more economical to operate.

**Discuss Operating Budget Impact:**

The operating cost and maintenance cost associated with an older vehicle will be much greater.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$43,000	\$43,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$43,000</b>	<b>\$43,000</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						<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>\$43,000</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						





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11-9-16

Date of Last Edit: 9-10-19\_

Project Number:	FY 2021-298-02		
Project Title:	Replacement of 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 , 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.

**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.

**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.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$250,000	\$250,000					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$250,000	\$250,000	\$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		\$250,000	\$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					



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.*

P.O. Box 639 • 3 Chancellor Lane • Warwick, NY 10990  
845-986-7377 • F 845-986-8531 • meecosullivan.com



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.

---

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: FY2021 - FY2025

Date submitted: 11-9-16 Date of Last Edit: 9-10-19

Project Number:	2021-298-03
Project Title:	Mooring Field Re-grid Engineering
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 to contract with an engineering firm to re-grid the mooring field to maximize moorings throughout Scituate Harbor

Benefits of Project and Impact if Not Completed:

This would maximize efficiency and useful area for moorings throughout the harbor, which would maximize retained earnings for the enterprise fund. This would also cut down on damage caused by boats bumping into each other. As well as giving us a clear accounting of all moorings in Scituate Harbor. I believe that this would help in assignment of future moorings to people patiently waiting on the waitlist

Discuss Operating Budget Impact:

Better organization in the mooring field, the Town would be able to capture lost revenue due to inefficiencies in the mooring field of existing moorings placements.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$0	\$55,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$0	\$55,000	\$0	\$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	\$0	\$55,000	\$0	\$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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-24-19

Date of Last Edit: 9-24-19\_\_

Project Number:	FY 2021-298-05		
Project Title:	Pump Out Station Jericho Boat Ramp		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**Description:**

Add Pump Out Station at the Jericho Boat Ramp connected to the Town sewer system

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

This would be very helpful to the boaters that are launching and retrieving their boats

**Discuss Operating Budget Impact:**

This should be funded in the most part by the Clean Vessel Act

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$100,000	\$100,000				
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
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>

**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>

**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: FY2021 - FY2025**

Date submitted: 11-9-16

Date of Last Edit: 9-10-19\_

Project Number:	FY 2022-298-02		
Project Title:	Replacement of 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 , 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.

**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.

**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.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$250,000		\$250,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" 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>\$0</b>	<b>\$250,000</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		CPA Purpose(s) Check all that apply				
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>

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.*

P.O. Box 639 • 3 Chancellor Lane • Warwick, NY 10990  
845-986-7377 • F 845-986-8531 • meecosullivan.com



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

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10-12-17\_\_

Date of Last Edit: \_9-4-19\_\_

Project Number:	2022-298-02		
Project Title:	Unit 1 Repower		
Category:	Equipment		
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

Replace the (2) 200hp outboard engines Unit 1 .

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

Less reliable and higher maintenance cost on aging/ high hour engines.

**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
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$47,000		\$47,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$47,000</b>	<b>\$0</b>	<b>\$47,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$47,000</b>	<b>\$0</b>	<b>\$47,000</b>	<b>\$0</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: FY2021 - FY2025**

Date submitted: 9-12-19

Date of Last Edit: 9-12-19\_\_

Project Number:	FY 2022-298-3		
Project Title:	Maintenance and Improvement Dredging		
Category:	Design		
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:**

Maintenance and improvement dredging of the different areas of Scituate, Scituate Harbor, North River, Herin River, South River.

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

To improve navigation, town owned marinas and mooring areas in the different waterways of Scituate.

**Discuss Operating Budget impact:**

This will allow larger deeper draft boats into Scituate, Town marinas and mooring areas, which will increase revenue

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$300,000		\$300,000				<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$300,000</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>\$0</b>	<b>\$300,000</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: FY2021 - FY2025**

Date submitted: 11-9-16

Date of Last Edit: 9-10-19\_

Project Number:	FY 2023-298-01		
Project Title:	Replacement of 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 , 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.

**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.

**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.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
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>\$250,000</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>\$0</b>	<b>\$0</b>	<b>\$250,000</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					



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.*

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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
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- 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

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-12-19

Date of Last Edit: 9-12-19

Project Number:	2023-298-02	
Project Title:	Expansion of SMP, Engineering, Design, of Additional Floats and Piles	
Category:	Design	
Department:	Harbormaster	Contact: Stephen Mone

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring [ ]    Resubmission [ ]

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

**Description:**

Expansion of SMP, Design , Engineering, to include additional floats and piles.

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

Increases the number of boats at SMP, which has and affect on the local economy. Loss of revenue and loss of benefit to local economy.

**Discuss Operating Budget Impact:**

This should improve in the long term to the Waterways Enterprise Fund

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$300,000			\$300,000		
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</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>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</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: FY2021 - FY2025**

Date submitted: 9-23-19

Date of Last Edit: 9-23-19\_\_

Project Number:	FY 2023-298-04		
Project Title:	Pump Out Float N&S River		
Category:	Construction		
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:    New        Recurring        Resubmission   

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

**Description:**

New Pump Out Float for the North and South River

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

For boaters to Pump Out their boats holding tank. Boaters may be unable to easily pump out the septic on their boat.

**Discuss Operating Budget Impact:**

We get funding to maintain the pump out program from the Clean Vessel Act.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$72,000	\$72,000					<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>\$72,000</b>	<b>\$72,000</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>\$72,000</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					

LA MANAGEMENT INC

(DBA)  
 Marine Boatbuilders Co  
 PO Box 7826  
 Warwick, RI 02887

# Estimate

Date	Estimate #
9/23/2019	102320181

Name / Address
Town of Scituate Stephen Moon 100 Cole Parkway Scituate, MA 02066

			Project
Description	Qty	Rate	Total
MBB Pump Float 750gal 20X13.6. -Fiberglass barge -750gal holding tank -Rubrail -Non Skid -Edson 120ELB Pump -Suction Hoses/Components -Solar Skid and Panels -Batters/Switches Delivery: Oversized Load	1	70,000.00	70,000.00
	1	2,000.00	2,000.00
Note: The standard base of the float is 26X13.6. If you wanted the standard size base it would be a savings of \$5,500	1	0.00	0.00
Thank You! Call Rick Jr with any questions at 401-935-1186		<b>Total</b>	\$72,000.00

Phone #	Fax #	E-mail	Web Site
401-935-1186	401-732-4528	rickjr@marineboatbuilders.com	www.marineboatbuilders.com





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11-9-16

Date of Last Edit: 9-10-19

Project Number:	FY 2024-298-02		
Project Title:	Replacement of Docks Cole Parkway Marina		
Category:			
Department:	Harbormaster	Contact:	Stephen Mone
Project is:	NEW <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase ___ of ___	

<b>Department Priority:</b>	
<input type="checkbox"/>	Urgent/Legally Required
<input checked="" type="checkbox"/>	Maintain Service
<input checked="" type="checkbox"/>	Enhancement

**Description:**

The request is for the replacement of Docks , 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.

**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.

**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.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2021	FY2022	FY2023	FY2024	FY2025		
Study/Design	\$0						<input type="checkbox"/>	Tax Levy
Land Acquisition	\$0						<input type="checkbox"/>	Debt
Construction	\$250,000				\$250,000		<input checked="" type="checkbox"/>	Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/>	Capital Stabilization
Contingency	\$0							Free Cash
Other	\$0							Revolving Fund
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<input checked="" type="checkbox"/>	CPA
							<input checked="" 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>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>			

<b>Operating Budget Impact</b>	
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.*

P.O. Box 639 • 3 Chancellor Lane • Warwick, NY 10990  
845-986-7377 • F 845-986-8531 • meecosullivan.com



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

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-9-19 Date of Last Edit: 9-9-19

Project Number:	FY 2025-298-01		
Project Title:	Replacement of 2019 Harbormaster Truck		
Category:	Equipment		
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 ___	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

The request is for a replacement of the 2019 Harbormaster truck, the truck is used on a regular basis by the harbormaster Department to go between the different facilities that the harbormaster's Department has been charged with maintaining, the truck that is in service today is a 2019 GMC and is getting costly to maintain.

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

Replacement of this truck would be beneficial now as we can trade it in and still get a reasonable amount of money for the vehicle. Also the vehicle would be more economical to operate.

**Discuss Operating Budget Impact:**

The operating cost and maintenance cost associated with an older vehicle will be much greater.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2021	FY2022	FY2023	FY2024	FY2025	
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	\$45,000					\$45,000	<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>\$0</b>	<b>\$0</b>	<b>\$45,000</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 <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>\$45,000</b>	

**Operating Budget Impact**

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