

**TOWN OF SCITUATE, MASSACHUSETTS  
FISCAL YEARS 2022-2026**



**CAPITAL IMPROVEMENT PLAN  
TOWN ADMINISTRATOR RECOMMENDED**



**BOARD OF SELECTMEN**

**Karen B. Canfield, Chairman  
Anthony V. Vegnani, Vice Chairman  
Karen E. Connolly, Clerk  
Maura C. Curran  
Andrew W. Goodrich**

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

**OCTOBER 2020**

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October 2020

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## 2021 Capital Planning Committee Members

Christopher Carchia (2022), Chairman\*

John P. Whittaker (2023)\*

John McCarthy (2023)\*

Joseph Gibbons (2022)\*

Michael Clark (2022)\*

James Boudreau, Town Administrator\*

Michael Hayes, Co-School Committee rep

Nicole Brandolini, Co-School Committee rep\*

Andrew Goodrich, Board of Selectmen rep

Elise Russo, Advisory Committee rep

\*Voting members (7)

## Fiscal Year 2022 Capital Budgeting Process

Despite the uncertainty in revenue sources for the annual capital plan caused by the pandemic, it is still necessary to evaluate and bring forward the capital requirements for the next five fiscal years and review and prioritize those needs. 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 continue to utilize the new forms rolled out several years ago for all capital project requests for FY22-26. If you have previously submitted a request under the five-year rolling capital plan (through FY 25), 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 26 and these must be submitted with strict adherence to the requirements specified below.

The FY 22 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), **October 15, 2020**. 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 22 CAPITAL REQUESTS**

We are starting the FY 22 capital budget process later than previous years due to the uncertainty of the current and future local and state budgets. 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 2026. Please do not submit projects that you have no intention of putting forward and consider consolidating projects to avoid unnecessary review.

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 22 capital budget will be submitted to the Board of Selectmen, Advisory Committee and Capital Planning Committee in late fall 2020. 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

**SELECTMEN, ADVISORY AND CAPITAL PLANNING  
FY 22 BUDGET MEETING SCHEDULE**

**Selectmen, Advisory and Capital Planning Committees  
Budget Meeting Schedule**

**Fiscal Year 2022**

By charter, the Town Administrator conducts an in-depth review of each departmental line with an emphasis on full explanations for all requested expenditures in making recommendations to town officials (exclusive of School Department). The recommended operating and capital budgets are then independently reviewed by the Board of Selectmen, Advisory Committee and Capital Planning Committee.

**Please note schedule is subject to change due to weather and Committee/Board schedules**

<b>Event/Department</b>	<b>Dept #</b>	<b>Board of Selectmen Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review</b>
FY22 Budget Presentation		12/1/2020	10/28/2020	12/3/2020
Administration/Board of Selectmen	123	12/1/2020	TBD	12/3/2020
Advisory Committee	131	12/1/2020		12/3/2020
Reserve Fund	132	12/1/2020		12/3/2020
Gen Liab & Property Insurance	192	12/1/2020		12/3/2020
Street Lights	424	12/1/2020		12/3/2020
Workers Compensation	912	12/1/2020		12/3/2020
Unemployment	913	12/1/2020		12/3/2020
Assessors	141	12/15/2020		12/10/2020
Library	610	12/15/2020		12/10/2020
Town Clerk	161	12/15/2020		12/10/2020
Widow's Walk Enterprise	61	12/15/2020	TBD	12/10/2020
Board of Health	510	12/15/2020		12/10/2020
Council on Aging	541	12/15/2020		12/10/2020
Recreation	630	12/15/2020		12/10/2020
Commission on Disabilities	549	12/15/2020		12/10/2020
Review of Non-Monetary Articles		1/5/2021		
Finance Director/Town Accountant	135	1/5/2021		12/17/2020
Information Technology	155	1/5/2021	TBD	12/17/2020
Police	210	1/5/2021		12/17/2020
Fire	220	1/5/2021	TBD	12/17/2020
Public Safety Communications	230	1/5/2021		12/17/2020
Veterans	543	1/5/2021		12/17/2020
Beautification	650	1/5/2021		12/17/2020
Historical	691	1/5/2021		12/17/2020
Waterways Enterprise	66	1/19/2021	TBD	1/7/2021
Shellfish	295	1/19/2021		1/7/2021

**SELECTMEN, ADVISORY AND CAPITAL PLANNING  
FY 22 BUDGET MEETING SCHEDULE**

<b>Event/Department</b>	<b>Dept #</b>	<b>Board of Selectmen Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review</b>
Facilities	440	1/19/2021	TBD	1/7/2021
Scituate Cable TV	159	1/19/2021		1/7/2021
Treasurer Collector	145	1/19/2021		1/7/2021
Tax Foreclosures	158	1/19/2021		1/7/2021
Debt Service	720	1/19/2021		1/7/2021
Plymouth County Retirement	911	1/19/2021		1/7/2021
Contributory Insurance	914	1/19/2021		1/7/2021
Federal Taxes	916	1/19/2021		1/7/2021
<b>Department of Public Works</b>				
Engineering	411	2/2/2021	TBD	1/14/2021
Administration	421	2/2/2021		1/14/2021
Highway	422	2/2/2021	TBD	1/14/2021
Snow & Ice	423	2/2/2021		1/14/2021
Public Grounds	429	2/2/2021	TBD	1/14/2021
Transfer Station Enterprise	433	2/2/2021	TBD	1/14/2021
Sewer Enterprise	440	2/2/2021	TBD	1/14/2021
Water Enterprise	450	2/2/2021	TBD	1/14/2021
Review Petition Articles		2/2/2021		1/21/2021
<b>Community Planning &amp; Development</b>				
Planning (PB conflict 1/28)	175	2/23/2021		1/21/2021
<b>Community Planning &amp; Development</b>				
Conservation/Coastal Resources	171	2/23/2021		1/28/2021
Zoning Board of Appeals	176	2/23/2021		1/28/2021
Economic Development Comm	182	2/23/2021		1/28/2021
Inspections	241	2/23/2021	TBD	1/28/2021
Capital Plan Review		2/23/2021		2/25/2021
School	300	2/23/2021	TBD	2/25/2021
South Shore Regional VTHS	310	2/23/2021		2/25/2021
<b>Community Preservation Review</b>				
Vote all projects/articles		3/9/2021	TBD	3/11/2021
<b>Advisory Booklet Available</b>				
Annual & Special Town Meeting				3/26/2021
<b>Annual &amp; Special Town Meeting</b>				
				4/12/2021

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
*Sorted by Fund, by Department, by Year*

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Score	Project	Project #	Department	Year	Fund	Request	Comment
54	Foreshore Protection	2022-411-01	DPW - Foreshore Protection	2022	GF	\$ 200,000	
54	Foreshore Repairs - Seawall Turner Rd/Oceanside	2022-411-02	DPW - Foreshore Protection	2022	GF	\$ 2,000,000	
54	Foreshore Protection	2023-411-01	DPW - Foreshore Protection	2023	GF	\$ 200,000	
56	Foreshore Repairs - FEMA - 3rd Cliff	2023-411-02	DPW - Foreshore Protection	2023	GF	\$ 12,000,000	<b>FEMA subsidized 75%</b>
54	Foreshore Protection	2024-411-01	DPW - Foreshore Protection	2024	GF	\$ 200,000	
62	Seawall Replacement - Cedar Point ACoE project	2024-411-02	DPW - Foreshore Protection	2024	GF	\$ 8,000,000	<b>ACoE subsidized 65%</b>
54	Foreshore Protection	2025-411-01	DPW - Foreshore Protection	2025	GF	\$ 200,000	
54	Foreshore Protection	2026-411-01	DPW - Foreshore Protection	2026	GF	\$ 200,000	
43	Flail Mower	2022-429-01	DPW - Grounds	2022	GF	\$ 36,000	
35	Stump Grinder	2022-429-02	DPW - Grounds	2022	GF	\$ 45,000	
23	Bucket Truck*	2022-429-03	DPW - Grounds	2022	GF	\$ 269,000	
35	Field Repair/Construction	2022-429-04	DPW - Grounds	2022	GF	\$ 58,000	
32	Leaf & Debris Vacuum	2023-429-01	DPW - Grounds	2023	GF	\$ 33,000	
47	Cemetery Maintenance Database Program	2024-429-01	DPW - Grounds	2024	GF	\$ 30,000	
51	Excavator	2024-429-02	DPW - Grounds	2024	GF	\$ 65,000	
43	Replace #2-0 1999 Ford 250 Pick-up	2024-429-03	DPW - Grounds	2024	GF	\$ 50,000	
34	Replace #2-8 - 2007 Chevy 3600 Dump Truck	2025-429-01	DPW - Grounds	2025	GF	\$ 65,000	
27	Walkway Improvement at Town Hall	2025-429-02	DPW - Grounds	2025	GF	\$ 35,000	
27	Gates School Field Repair	2025-429-03	DPW - Grounds	2025	GF	\$ 60,000	
25	Multihog Roadside Brush Cutter	2025-429-04	DPW - Grounds	2025	GF	\$ 142,000	
27	John Deere 1445 Mower	2025-429-05	DPW - Grounds	2025	GF	\$ 40,000	
45	Street Sweeper	2022-422-01	DPW - Highway	2022	GF	\$ 260,000	
52	Truck 1-8, Diesel Pick-up Truck	2022-422-02	DPW - Highway	2022	GF	\$ 45,000	
64	Road & Sidewalk Improvements	2022-422-03	DPW - Highway	2022	GF	\$ 200,000	
45	Truck 1-9, Diesel Pick-up Truck	2022-422-04	DPW - Highway	2023	GF	\$ 45,000	
33	Roof for Salt Shed	2023-422-01	DPW - Highway	2023	GF	\$ 30,000	
50	Truck 101 Medium Duty Truck	2023-422-02	DPW - Highway	2023	GF	\$ 51,000	
60	Road & Sidewalk Improvements	2023-422-03	DPW - Highway	2023	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2024-422-01	DPW - Highway	2024	GF	\$ 200,000	
22	Truck 102, Medium Duty Truck	2024-422-02	DPW - Highway	2024	GF	\$ 50,000	
20	Truck Lift	2025-422-01	DPW - Highway	2025	GF	\$ 28,000	
62	Road & Sidewalk Improvements	2025-422-02	DPW - Highway	2025	GF	\$ 200,000	
62	Road & Sidewalk Improvements	2026-422-01	DPW - Highway	2026	GF	\$ 200,000	
47	MS4 Compliance	2022-411-01	DPW-Engineering	2022	GF	\$ 50,000	
47	MS4 Compliance	2023-421-01	DPW-Engineering	2023	GF	\$ 50,000	

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
*Sorted by Fund, by Department, by Year*

11/1/2020; 8:45 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
47	MS4 Compliance	2024-421-01	DPW-Engineering	2024	GF	\$ 50,000	
47	MS4 Compliance	2025-421-01	DPW-Engineering	2025	GF	\$ 50,000	
47	MS4 Compliance	2026-411-01	DPW-Engineering	2026	GF	\$ 50,000	
57	Old Gates School Fire Sprinkler Pump*	2022-410-01	Facilities	2022	GF	\$ 80,400	
42	Town Hall & BOH Office HVAC Improvements*	2022-410-02	Facilities	2022	GF	\$ 40,000	
18	Facilities Vehicle for Custodian	2022-410-03	Facilities	2022	GF	\$ 32,500	
41	ADA Updates - Town Hall	2022-410-04	Facilities	2022	GF	\$ 210,000	
14	Locker Room/Showers Highway Barn	2022-410-05	Facilities	2022	GF	\$ 60,000	
50	Electrical Distibution - Town Hall	2023-410-01	Facilities	2023	GF	\$ 100,000	
34	Replace HVAC at 68 Capt Peirce (DPW)*	2023-410-03	Facilities	2023	GF	\$ 67,000	
35	Replace Roof Fire Station 1 - First Parish Rd	2025-410-01	Facilities	2025	GF	\$ 75,717	
26	Replace Roof Town Hall & BOH Office	2026-410-01	Facilities	2026	GF	\$ 110,000	
13	Paint Library Interior	2026-410-02	Facilities	2026	GF	\$ 50,000	
49	Town Wide Facilities Plan - Year One	2022-999-01	Facilities	2022	GF	\$ 144,042	
49	Town Wide Facilities Plan - Year Two	2023-999-01	Facilities	2023	GF	\$ 1,166,069	
49	Town Wide Facilities Plan - Year Three	2024-999-01	Facilities	2024	GF	\$ 490,940	
49	Town Wide Facilities Plan - Year Four	2025-999-01	Facilities	2025	GF	\$ 2,432,908	
49	Town Wide Facilities Plan - Year Five	2026-999-01	Facilities	2026	GF	\$ 2,880,829	
25	Replace 2010 Command Vehicle	2022-220-01	Fire	2022	GF	\$ 63,000	
39	Refurbish 2006 Rescue Pumper	2022-220-02	Fire	2022	GF	\$ 70,000	
59	Replace Zoll monitor	2023-220-01	Fire	2023	GF	\$ 50,000	
19	Replace forest truck/storm vehicle	2023-220-02	Fire	2023	GF	\$ 60,345	
45	Replace Ambulance	2024-220-01	Fire	2024	GF	\$ 376,250	
43	Replace 1995 Rescue Pumper	2025-220-01	Fire	2025	GF	\$ 594,660	
25	Replace Dive Truck	2026-220-02	Fire	2026	GF	\$ 60,000	
51	Replace Fire Gear (50 sets)	2026-220-01	Fire	2026	GF	\$ 150,000	
29	Phone System Expansion*	2022-155-01	Information Technology	2022	GF	\$ 55,000	
27	Network Switches*	2023-155-02	Information Technology	2023	GF	\$ 112,000	
29	Digitize Departmental Records*	2022-241-01	Inspections	2022	GF	\$ 308,541	
37	Marine Unit Repowering & Safety Equipment	2022-210-01	Police	2022	GF	\$ 77,661	
41	School Technology	2022-300-01	School	2022	GF	\$ 100,000	
45	Replace Flooring - High School	2022-300-02	School	2022	GF	\$ 250,000	
26	Wampatuck Parking Lot	2022-300-03	School	2022	GF	\$ 303,673	
37	School Technology	2023-300-01	School	2023	GF	\$ 100,000	
45	Replace Flooring - High School	2023-300-02	School	2023	GF	\$ 300,000	

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
*Sorted by Fund, by Department, by Year*

11/1/2020; 8:45 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
32	Elementary School Sink Replacement	2023-300-03	School	2023	GF	\$ 179,400	
40	Wampatuck Roof Replacement	2023-300-04	School	2023	GF	\$ 1,867,840	
58	Hatherly Roof Replacement	2023-300-05	School	2023	GF	\$ 1,567,800	
40	High School Roof Replacement	2023-300-06	School	2023	GF	\$ 1,000,000	
32	Cushing Parking Lot	2023-300-07	School	2023	GF	\$ 381,225	
38	Jenkins Roof Replacement	2023-300-08	School	2023	GF	\$ 1,200,000	
39	Wampatuck Flooring Replacement	2024-300-01	School	2024	GF	\$ 250,000	
36	Small Gym High School	2024-300-02	School	2024	GF	\$ 450,000	
37	Cushing Portico	2024-300-03	School	2024	GF	\$ 29,900	
34	Hatherly Parking Lot	2024-300-04	School	2024	GF	\$ 405,925	
39	Wampatuck Teachers' Room	2025-300-01	School	2025	GF	\$ 40,000	
37	Hatherly Univents	2025-300-02	School	2025	GF	\$ 500,000	
53	Cushing Window Replacement	2025-300-03	School	2025	GF	\$ 572,000	
36	Main Floor High School Gym	2025-300-04	School	2025	GF	\$ 450,000	
49	New Elem. School to Replace Cushing & Hatherly	2026-300-01	School	2026	GF	\$ 85,000,000	MSBA subsidized
62	Replacement of sailing docks	2022-630-01	Recreation	2022	Rec	\$ 52,315	Recreation Revolving Fund
58	Facilities Plan	2022-440-01	Sewer	2022	S	\$ 660,000	
67	Inflow & Infiltration	2022-440-02	Sewer	2022	S	\$ 220,000	
71	Infiltration/Inflow- Oceanside	2022-440-03	Sewer	2022	S	\$ 4,900,000	
68	Clarifier Upgrade	2022-440-04	Sewer	2022	S	\$ 230,000	
61	Automated Aeration Valves	2022-440-05	Sewer	2022	S	\$ 85,000	
46	Laboratory Rehabilitation	2022-440-06	Sewer	2022	S	\$ 100,000	
57	Rehab First Parish Pump Station	2022-440-07	Sewer	2022	S	\$ 123,000	
60	Replace #5-1 2005 Ranger with 4x4	2023-440-01	Sewer	2023	S	\$ 58,746	
67	Add to Collection System for Phased Expansion	2023-440-02	Sewer	2023	S	\$ 12,000,000	
68	Heavy Equipment - Loader	2023-440-03	Sewer	2023	S	\$ 198,400	
57	Structural Repairs at Wastewater Treatment Plant	2023-440-04	Sewer	2023	S	\$ 250,000	
67	Inflow & Infiltration	2023-440-05	Sewer	2023	S	\$ 220,000	
72	Infiltration/Inflow Chain Pond	2024-440-01	Sewer	2024	S	\$ 4,200,000	
38	Replace Truck 5-4	2024-440-02	Sewer	2024	S	\$ 58,000	
61	Replace UV System	2024-440-03	Sewer	2024	S	\$ 700,000	
47	Influent Grit Removal	2024-440-04	Sewer	2024	S	\$ 2,050,000	
57	RAS Capacity	2024-440-05	Sewer	2024	S	\$ 360,000	
67	Inflow & Infiltration	2024-440-06	Sewer	2024	S	\$ 220,000	
65	Clarifier Replacement	2025-440-01	Sewer	2025	S	\$ 1,250,000	



**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
*Sorted by Fund, by Department, by Year*

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Score	Project	Project #	Department	Year	Fund	Request	Comment
55	Replace WWTP Generator	2025-440-02	Sewer	2025	S	\$ 440,000	
57	Influent Pump Upgrade	2025-440-03	Sewer	2025	S	\$ 1,630,000	
67	Inflow & Infiltration	2025-440-04	Sewer	2025	S	\$ 220,000	
67	Inflow & Infiltration	2026-440-01	Sewer	2026	S	\$ 220,000	
38	Replace Truck 5-2	2026-440-02	Sewer	2026	S	\$ 61,000	
56	Replace 2010 Front End Loader	2022-433-01	Transfer Station	2022	TS	\$ 180,000	
56	Replace 2010 Backhoe	2022-433-02	Transfer Station	2022	TS	\$ 142,000	
33	Transfer Station Entrance Gate & Key Card Access	2023-433-01	Transfer Station	2023	TS	\$ 100,000	
52	Replace 2005 Chevy 3500 Truck, Plow & Sander	2023-433-02	Transfer Station	2023	TS	\$ 75,000	
44	Powerwash & Paint Metal Space Buildings	2024-433-01	Transfer Station	2024	TS	\$ 45,000	
68	New Water Tank	2022-450-01	Water	2022	W	\$ 2,720,000	
64	Storage Tank Improvements - Aeration & Blower*	2022-450-02	Water	2022	W	\$ 500,000	
62	Well #19 & 22 Upgrades*	2022-450-03	Water	2022	W	\$ 259,000	
59	Well #10 & 11 Upgrades	2022-450-04	Water	2022	W	\$ 489,000	
60	Dolan Field Well Construction	2022-450-05	Water	2022	W	\$ 3,300,000	
48	West End Well Investigation	2022-450-06	Water	2022	W	\$ 300,000	
67	Replace Water Mains Phase 5	2022-450-07	Water	2022	W	\$ 2,100,000	
50	10 Yr Meter replacement cycle program	2022-450-08	Water	2022	W	\$ 210,000	
76	New Treatment Plant	2023-450-01	Water	2023	W	\$ 40,000,000	
38	Replace 2006 Chevy Colorado Pick-up	2023-450-03	Water	2023	W	\$ 59,000	
67	Redevelopment of Public Wells	2023-450-04	Water	2023	W	\$ 125,000	
50	10 Yr Meter replacement cycle program	2023-450-05	Water	2023	W	\$ 220,000	
69	Replace Water Mains - Phase 6	2023-450-06	Water	2023	W	\$ 2,200,000	
54	Reservoir Expansion	2023-450-07	Water	2023	W	\$ 1,790,000	
36	West End Well Construction	2024-450-01	Water	2024	W	\$ 3,000,000	
50	Repair Mann Lot Standpipe - Design	2024-450-02	Water	2024	W	\$ 250,000	
62	Mann Lot Booster Station Upgrades	2024-450-03	Water	2024	W	\$ 150,000	
32	Replace Utility Body Vehicle	2024-450-04	Water	2024	W	\$ 61,000	
52	10 Yr Meter replacement cycle program	2024-450-05	Water	2024	W	\$ 230,000	
67	Humarock Water Mains-Construction	2024-450-06	Water	2024	W	\$ 5,000,000	
69	Replace Water Mains - Phase 7	2024-450-07	Water	2024	W	\$ 2,300,000	
50	Repair Mann Lot Standpipe - Construction	2025-450-01	Water	2025	W	\$ 1,200,000	
62	Walnut Tree Booster Station Upgrades	2025-450-02	Water	2025	W	\$ 107,000	
32	Replace Truck #39 2009 Chevy Silverado Pick-up	2025-450-03	Water	2025	W	\$ 63,000	
50	10 Yr Meter replacement cycle program	2025-450-04	Water	2025	W	\$ 240,000	

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
*Sorted by Fund, by Department, by Year*

11/1/2020; 8:45 AM

<b>Score Project</b>	<b>Project #</b>	<b>Department</b>	<b>Year</b>	<b>Fund</b>	<b>Request</b>	<b>Comment</b>
69 Replace Water Mains - Phase 8	2025-450-05	Water	2025	W	\$ 2,400,000	
67 Repair Maple Street Standpipe - Design	2026-450-01	Water	2026	W	\$ 250,000	
68 SCADA Upgrade	2026-450-02	Water	2026	W	\$ 700,000	
50 10 Yr Meter replacement cycle program	2026-450-03	Water	2026	W	\$ 250,000	
69 Replace Water Mains - Phase 9	2026-450-04	Water	2026	W	\$ 2,400,000	
68 Well 18B Upgrades	2023-450-02	Water	2023	W	\$ 850,000	
65 Replacement of Docks Cole Pkwy Marina (Town share for grant)	2022-298-01	Waterways	2022	WW	\$ 200,000	
44 Re-power Unit #1	2022-298-02	Waterways	2022	WW	\$ 47,000	
49 Expansion of SMP, Eng & Design of Addtl Floats & Piles	2023-298-02	Waterways	2023	WW	\$ 300,000	
45 Maintenance and Improvement Dredging	2023-298-03	Waterways	2023	WW	\$ 300,000	
28 Pump Out Station Jericho Boat Ramp	2023-298-05	Waterways	2023	WW	\$ 100,000	
69 Harbormaster Office ADA Renovations	2024-298-01	Waterways	2024	WW	\$ 100,000	
31 Pump Out Float for North & South River	2024-298-02	Waterways	2024	WW	\$ 72,000	
42 Replacement of 2021 Harbormaster Truck	2026-298-01	Waterways	2025	WW	\$ 45,000	
<b>Grand Totals</b>					<b>\$ 236,488,086</b>	

\*Not previously on capital plan

# Town of Scituate

James M. Boudreau  
**Town Administrator**



600 Chief Justice Cushing Hwy  
Scituate, Massachusetts 02066  
Telephone (781) 545-8741  
jboudreau@scituatema.gov

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## MEMORANDUM

**TO:** Board of Selectmen  
Capital Planning Committee

**FROM:** James M. Boudreau, Town Administrator

**DATE:** October 30, 2020

**cc:** Nancy Holt, Finance Director/Town Accountant  
Department Heads

**RE:** Town Administrator FY 2022 Recommended Capital Plan

In compliance with Section 6-3, 6-4, and Section 6-6 (a-e) of the Town Charter, the Town Administrator respectfully submits the following Fiscal Year 2022 capital plan. This document contains recommended projects for funding in FY 2022. A five-year rolling capital plan enables the Town to plan for both short and long-term capital needs. The goal of the Town of Scituate's Capital Plan is to serve as a planning document designed to inform the community in the broadest possible ways of the potential needs and demands the Town is facing for capital equipment, maintenance and infrastructure.

A combination of available funds and limited borrowing is recommended to fund the FY 2022 Capital Improvement Program. Available funds generated from taxation, free cash, enterprise fund retained earnings, meals tax, revolving funds, unspent balances in previously approved capital projects and premiums received from past borrowings fund as much as the plan as possible in a pay-as-you-go approach which is supplemented by borrowing for larger, longer-term cost items or projects in the enterprise funds.

The submissions to the FY 2022- 2026 capital plan total \$236,488,086 and include a new elementary school for \$85,000,000 in FY 2026 and a new water treatment plant for \$40,000,000 in FY 2023 totaling 52.9% of the overall plan. A continued investment in the sewer and water infrastructure projects amount to 12.7% and 13.7% respectively. Foreshore protection and road Improvements account for 10.2% of the plan with both also receiving additional funding for more projects through the FY 2022 operating budget and state and federal sources. The components of the five year plan are detailed in the following table. It should be noted that the five year capital plan is a dynamic document and projects will move between years based on needs, development and funding opportunities.

	FY22	FY23	FY24	FY25	FY26	Total	%
Equipment	\$1,529,476	\$850,491	\$901,250	\$1,217,660	\$521,000	\$5,019,877	2.1%
Sewer Infrastructure	\$6,318,000	\$12,470,000	\$7,530,000	\$3,540,000	\$220,000	\$30,078,000	12.7%
Water Infrastructure	\$9,668,000	\$4,965,000	\$10,761,000	\$3,707,000	\$3,350,000	\$32,451,000	13.7%
Public Works & Roads	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	0.5%
Foreshore	\$2,200,000	\$12,200,000	\$8,200,000	\$200,000	\$200,000	\$23,000,000	9.7%
Technology	\$463,541	\$212,000	\$30,000	\$0	\$0	\$705,541	0.3%
Facilities Improvements	\$1,346,115	\$8,659,334	\$1,771,765	\$4,165,625	\$3,040,829	\$18,983,668	8.0%
New Buildings	\$0	\$40,000,000	\$0	\$0	\$85,000,000	\$125,000,000	52.9%
<b>Totals</b>	<b>\$21,775,132</b>	<b>\$79,606,825</b>	<b>\$29,444,015</b>	<b>\$13,080,285</b>	<b>\$92,581,829</b>	<b>\$236,488,086</b>	<b>100.0%</b>
%	9.2%	33.7%	12.5%	5.5%	39.1%	100.0%	

The FY 2022 portion of the plan included 44 projects totaling \$15,087,132. The recommendation for FY 2022 endeavors to provide funding for as many of these projects as possible factoring the limitations of operating budgets to support additional debt service and the availability of other sources to fund these projects including previously authorizations and grants. A breakdown of the projects submitted and the recommendation for funding for FY 2022 is provided below.

Department	# of Projects	Requested Amount	Recommended Amount	%
DPW - Foreshore Protection	2	\$2,200,000	\$200,000	9%
DPW - Grounds	4	\$408,000	\$81,000	20%
DPW - Highway	3	\$505,000	\$505,000	100%
DPW-Engineering	1	\$50,000	\$50,000	100%
Facilities	5	\$422,900	\$152,900	36%
Facilities Town Wide Plan	1	\$144,042	\$144,042	100%
Fire	2	\$133,000	\$70,000	53%
Information Technology	1	\$55,000	\$55,000	100%
Inspections	1	\$308,541	\$308,541	100%
Police	1	\$77,661	\$77,661	100%
Recreation	1	\$52,315	\$52,315	100%
School	3	\$653,673	\$653,673	100%
Sewer	7	\$6,318,000	\$5,790,000	92%
Transfer Station	2	\$322,000	\$180,000	56%
Water	8	\$9,878,000	\$6,520,000	66%
Waterways	2	\$247,000	\$247,000	100%
<b>Total</b>	<b>44</b>	<b>\$21,775,132</b>	<b>\$15,087,132</b>	<b>69%</b>

As noted above, there are other funding sources available to assist the Town in addressing its capital needs. The Waterways Enterprise recommendation includes funding of \$200,000 for the balance of the town share for a dock replacement project. This recommended project would enable the Harbormaster's Department to file a more competitive grant application with the Seaport Economic Advisory Council to replace docks totaling more than \$1,000,000 as shovel ready with the Town's portion of the funding already appropriated. This grant application would also include the three docks for the sailing program for the Recreation Department which has also been recommended for funding. If received, the grant would reduce the amount needed for those three docks by up to 80%. The inclusion of the sailing program docks also adds to the robustness of the grant application.

A \$2,000,000 foreshore protection project to continue the seawall replacement on Oceanside Drive towards Turner Road was not recommended for funding as there is an existing borrowing authorization from the April 2015 annual town meeting of \$2,000,000 for foreshore

improvements that can be used to enable this project to proceed without further delay or funding.

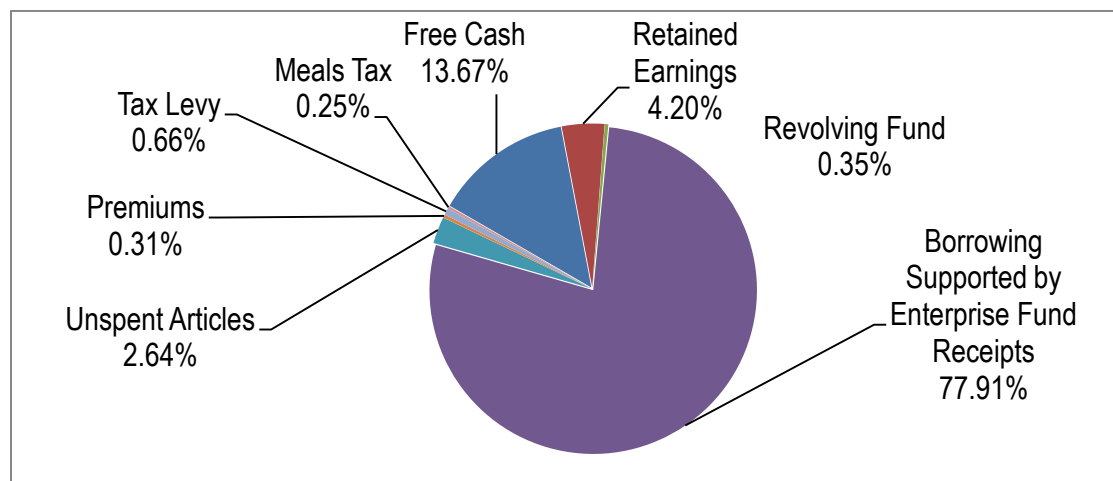
Technology needs are also addressed in the recommended plan including upgrades and expansion to the Town's telephone system, school technology upgrades and the digitization of the Inspections Department historical permit data which has been a long awaited and needed project.

FY 2022 is also the first year that the town-wide facilities study is reflected in the five year plan. This study was completed in 2020 and addresses more than 20 municipal buildings and provided a 20 year capital maintenance plan. Additional improvement to town and school facilities as well as the first year recommendations for the town-wide facilities plan were recommended for funding in the amount of \$674,073.

The Sewer Department submitted seven projects of which three are recommended for funding. A \$660,000 facilities study will examine the existing structural and system process needs of the wastewater treatment plant and pump stations to identify the future needs for repairs and improvements. The second major phase of inflow and infiltration abatement will be addressed with a \$4,900,000 project in the Oceanside area which is currently being designed and would yield additional capacity to allow future expansion of the sewer system. Upgrades to the clarifier for \$230,000 are also recommended.

The Water Department submitted eight projects of which three are recommended for funding. A \$2,720,000 new water storage tank was the priority and is recommended for funding. Improvements to the two existing storage tanks of aeration and blowers to address TTHMs are also recommended for \$500,000. The final project was the construction of the Dolan Well Field for \$3,300,000 to provide an additional water source. A request for \$2,000,000 for water main replacements was postponed as there is currently \$5,000,000 available for these projects. The \$2,000,000 can be brought back to a special town meeting in the fall if necessary.

The funding for the FY 2022 recommended plan comes from many sources with the largest component being borrowing supported by enterprise fund receipts for the large sewer and water projects. The overall impact of the recommended projects could also be reduced by grants as previously mentioned. The plan recommends 28 of the 44 submitted projects for funding and only five of those are supported by borrowing (17.9%) with the other 23 (82.1%) supported by available funds. A breakdown of the various funding mechanisms for the FY 2022 capital plan is as follows.



Town of Scituate  
Capital Plan - FY 2022-2026

						AVAILABLE FUNDING SOURCES																				
						GF	GF	GF	GF	GF	Rec Rev	All	Water	Water	Water	Water	Sewer	Sewer	Sewer	Tran Stn	Tran Stn	Waterways	Waterways	Waterways		
						Free Cash	Other GF	GF	Cap Stab	Meals Tax			Water	Water	Water	Water	Sewer	Sewer	Sewer	Tran Stn	Tran Stn	Wways	Wways	Wways		
Total Project	Project #	Department	Fund	Request	Recomm	\$2,567,035	\$82,491	\$14,334	\$490,438	\$138,000	\$55,000	\$0	\$32,926	\$538,000	\$310,094	\$150,641	\$818,221	\$375	\$250,567	\$223,342	\$5,830	\$1,423	\$567,747	\$100		
64	Road & Sidewalk Improvements	2022-422-03	DPW - Highway	GF	\$ 200,000	\$ 200,000	\$ 200,000																			
57	Old Gates School Fire Sprinkler Pump*	2022-410-01	Facilities	GF	\$ 80,400	\$ 80,400	\$ 80,400																			
54	Foreshore Protection	2022-411-01	DPW - Foreshore Protection	GF	\$ 200,000	\$ 200,000	\$ 200,000																			
54	Foreshore Repairs - Seawall Turner Rd/Oceanside	2022-411-02	DPW - Foreshore Protection	GF	\$ 2,000,000	\$ -	\$ -																			
52	Truck 1-8, Diesel Pick-up Truck	2022-422-02	DPW - Highway	GF	\$ 45,000	\$ 45,000	\$ 45,000																			
49	Town Wide Facilities Plan - Year One	2022-999-01	Facilities	GF	\$ 144,042	\$ 144,042	\$ 144,042																			
47	MS4 Compliance	2022-411-01	DPW-Engineering	GF	\$ 50,000	\$ 50,000	\$ 50,000																			
45	Street Sweeper	2022-422-01	DPW - Highway	GF	\$ 260,000	\$ 260,000	\$ 260,000																			
45	Replace Flooring - High School	2022-300-02	School	GF	\$ 250,000	\$ 250,000	\$ 250,000																			
43	Flail Mower	2022-429-01	DPW - Grounds	GF	\$ 36,000	\$ 36,000	\$ 36,000																			
42	Town Hall & BOH Office HVAC Improvements*	2022-410-02	Facilities	GF	\$ 40,000	\$ 40,000	\$ 40,000																			
41	ADA Updates - Town Hall	2022-410-04	Facilities	GF	\$ 210,000	\$ -	\$ -																			
41	School Technology	2022-300-01	School	GF	\$ 100,000	\$ 100,000	\$ 100,000																			
39	Refurbish 2006 Rescue Pumper	2022-220-02	Fire	GF	\$ 70,000	\$ 70,000	\$ 70,000																			
37	Marine Unit Repowering & Safety Equipment	2022-210-01	Police	GF	\$ 77,661	\$ 77,661	\$ 77,661																			
35	Stump Grinder	2022-429-02	DPW - Grounds	GF	\$ 45,000	\$ 45,000	\$ 45,000																			
35	Field Repair/Construction	2022-429-04	DPW - Grounds	GF	\$ 58,000	\$ -	\$ -																			
29	Phone System Expansion*	2022-155-01	Information Technology	GF	\$ 55,000	\$ 55,000	\$ 55,000																			
29	Digitize Departmental Records*	2022-241-01	Inspections	GF	\$ 308,541	\$ 308,541	\$ 308,541																			
26	Wampatuck Parking Lot	2022-300-03	School	GF	\$ 303,673	\$ 303,673	\$ 68,848	\$ 82,491	\$ 14,334	\$ 138,000																
25	Replace 2010 Command Vehicle	2022-220-01	Fire	GF	\$ 63,000	\$ -	\$ -																			
23	Bucket Truck*	2022-429-03	DPW - Grounds	GF	\$ 269,000	\$ -	\$ -																			
18	Facilities Vehicle for Custodian	2022-410-03	Facilities	GF	\$ 32,500	\$ 32,500	\$ 32,500																			
14	Locker Room/Showers Highway Barn	2022-410-05	Facilities	GF	\$ 60,000	\$ -	\$ -																			
<b>General Fund Total</b>					\$ 4,957,817	\$ 2,297,817	\$ 2,062,992	\$ 82,491	\$ 14,334	\$ -	\$ 138,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
62	Replacement of sailing docks	2022-630-01	Recreation	Rec	\$ 52,315	\$ 52,315					\$ 52,315															
<b>Recreation Revolving Total</b>					\$ 52,315	\$ 52,315	\$ -	\$ -	\$ -	\$ -	\$ 52,315	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
71	Infiltration/Inflow- Oceanside	2022-440-03	Sewer	S	\$ 4,900,000	\$ 4,900,000					\$ 4,900,000															
68	Clarifier Upgrade	2022-440-04	Sewer	S	\$ 230,000	\$ 230,000											\$ 229,625	\$ 375								
67	Inflow & Infiltration	2022-440-02	Sewer	S	\$ 220,000	\$ -																				
61	Automated Aeration Valves	2022-440-05	Sewer	S	\$ 85,000	\$ -																				
58	Facilities Plan	2022-440-01	Sewer	S	\$ 660,000	\$ 660,000					\$ 660,000															
57	Rehab First Parish Pump Station	2022-440-07	Sewer	S	\$ 123,000	\$ -																				
46	Laboratory Rehabilitation	2022-440-06	Sewer	S	\$ 100,000	\$ -																				
<b>Sewer Enterprise Fund Total</b>					\$ 6,318,000	\$ 5,790,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,560,000	\$ -	\$ -	\$ -	\$ -	\$ 229,625	\$ 375	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
56	Replace 2010 Front End Loader	2022-433-01	Transfer Station	TS	\$ 180,000	\$ 180,000					\$ 174,170										\$ 5,830					
56	Replace 2010 Backhoe	2022-433-02	Transfer Station	TS	\$ 142,000	\$ -																				
<b>Transfer Station Enterprise Fund Total</b>					\$ 322,000	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,830	\$ -	\$ -	\$ -	
68	New Water Tank	2022-450-01	Water	W	\$ 2,720,000	\$ 2,720,000					\$ 2,720,000															
67	Replace Water Mains Phase 5	2022-450-07	Water	W	\$ 2,100,000	\$ -																				
64	Storage Tank Improvements - Aeration & Blower*	2022-450-02	Water	W	\$ 500,000	\$ 500,000							\$ 32,926	\$ 156,980	\$ 310,094											
62	Well #19 & 22 Upgrades*	2022-450-03	Water	W	\$ 259,000	\$ -																				
60	Dolan Field Well Construction	2022-450-05	Water	W	\$ 3,300,000	\$ 3,300,000					\$ 3,300,000															
59	Well #10 & 11 Upgrades	2022-450-04	Water	W	\$ 489,000	\$ -																				
50	10 Yr Meter replacement cycle program	2022-450-08	Water	W	\$ 210,000	\$ -																				
48	West End Well Investigation	2022-450-06	Water	W	\$ 300,000	\$ -																				
<b>Water Enterprise Fund Total</b>					\$ 9,878,000	\$ 6,520,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,020,000	\$ 32,926	\$ 156,980	\$ 310,094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
65	Replacement of Docks Cole Pkwy Marina (Town share for grant)	2022-298-01	Waterways	WW	\$ 200,000	\$ 200,000																	\$ 200,000			
44	Re-power Unit #1	2022-298-02	Waterways	WW	\$ 47,000	\$ 47,000																	\$ 1,423	\$ 45,477	\$ 100	
<b>Waterways Enterprise Fund Total</b>					\$ 247,000	\$ 247,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,423	\$ 245,477	\$ 100
<b>GRAND TOTAL</b>					\$ 21,775,132	\$ 15,087,132	\$ 2,062,992	\$ 82,491	\$ 14,334	\$ -	\$ 138,000	\$ 52,315	\$ 11,754,170	\$ 32,926	\$ 156,980	\$ 310,094	\$ -	\$ 229,625	\$ 375	\$ -	\$ -	\$ 5,830	\$ 1,423	\$ 245,477	\$ 100	
*Not previously on capital plan																										
					Funded %	69%																				
					% of total		13.7%	0.5%	0.1%	0.0%	0.9%	0.3%	77.9%	0.2%	1.0%	2.1%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	
					Remaining Balance		\$ 504,043	\$ -	\$ 490,438	\$ -	\$ 2,685	\$ -	\$ -	\$ 381,020	\$ -	\$ 150,641	\$ 588,596	\$ -	\$ 250,567	\$ 223,342	\$ -	\$ -	\$ 322,270	\$ -	\$ -	

## Capital Project Balances Identified by Departments As Available to be Re-Allocated

*Projects from one fund cannot be re-allocated to another fund*

ORG (1)	OBJ	PROJECT (2)	ACCOUNT DESCRIPTION	AVAILABLE BUDGET
1300914	589000	14S10	School Painting	24,165.17
1300916	589000	16S4	Cushing & HS Field Well	35,077.41
1300917	589000	17A3I	Hatherly Cushing Modulares	10,404.38
1300918	589000	18A3X	Design HS Locker Rooms	2,766.00
1300919	589000	19A3J	SCHOOL TECHNOLOGY	538.18
1300919	589000	19A3M	WAMPATUCK FIRE DOORS	9,540.00
<b>Total General Fund</b>				<b>82,491.14</b>

ORG	OBJ	PROJECT	ACCOUNT DESCRIPTION	AVAILABLE BUDGET
63433580	589000	16A4X	Rolloff Container Truck	5,000.00
63433918	589000	18S2	PRIOR YEAR UNPAID BILLS	830.00
<b>Total Transfer Station Enterprise</b>				<b>5,830.00</b>

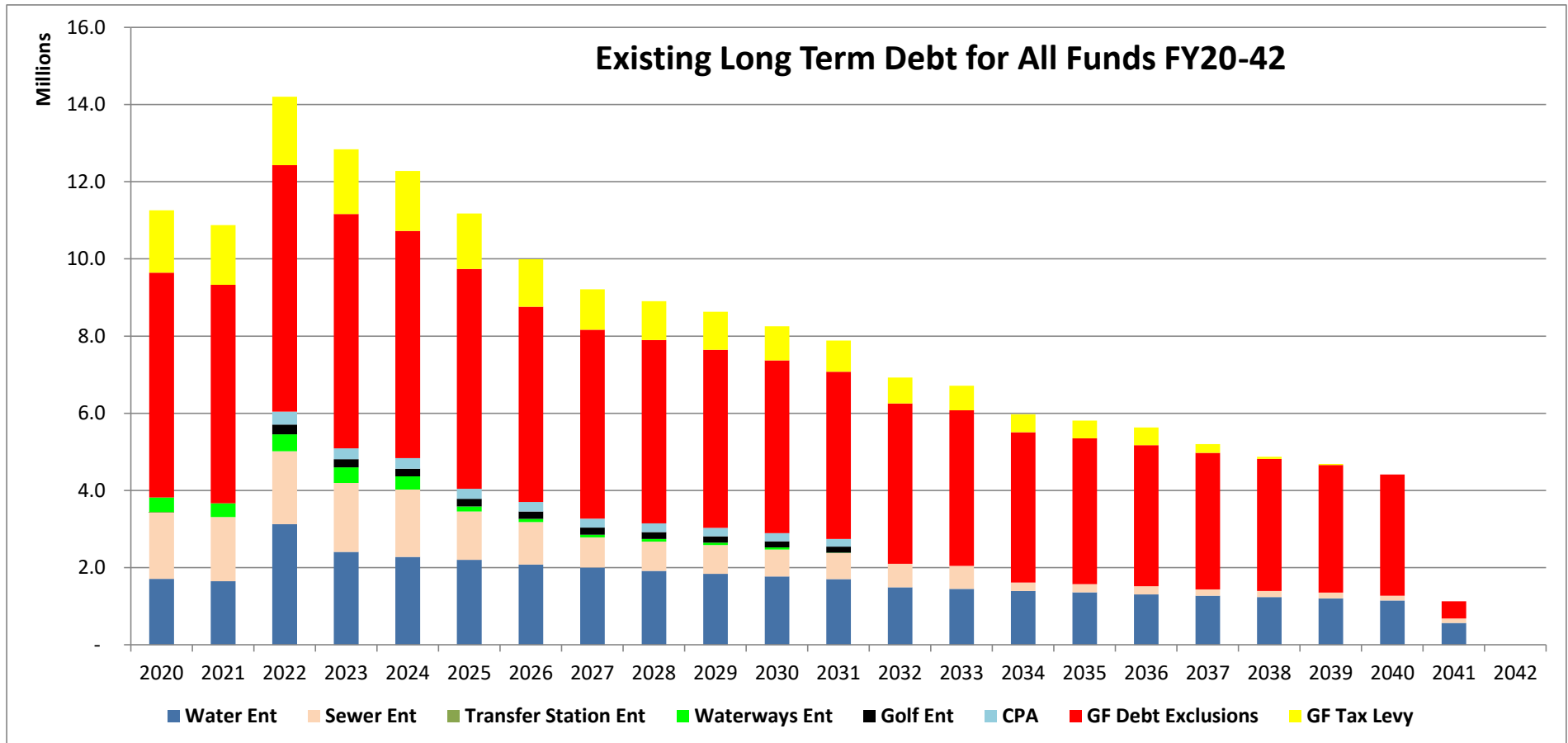
ORG	OBJ	PROJECT	ACCOUNT DESCRIPTION	AVAILABLE BUDGET
35000580	589000	16A4T	SCADA at Wells	72,576.61
35000580	589000	16Q4S	Design Water Plant Filter Expn	45,500.00
35000580	589000	183MM	Creelman Tank Valve Replacement	1,661.48
35000580	589000	183NN	Chemical Feed Tanks (retain \$45K)	47,135.74
65450909	589000	09A4H	Pressure Reducing Valve	851.51
65450914	589000	14A5W	Standpipe Repair & Maintenance	18,067.00
65450916	589000	16A4V	WTP Fire & Security Upgrades	4,815.00
65450917	589000	173AA	Reservoir Feed Project	104,610.00
65450917	589000	17A3Z	Trac Vac System Upgrade	8,000.00
65450920	589000	203HH	REPLACE 2005 CHEVY PICK-UP #34	2,434.79
65450920	589000	203JJ	NEW 2500 4X4 PICK-UP	4,441.55
<b>Total Water Enterprise</b>				<b>310,093.68</b>

ORG	OBJ	PROJECT	ACCOUNT DESCRIPTION	AVAILABLE BUDGET
66298917	589000	17A3T	Dock De-Icers	100.00
<b>Total Waterways Enterprise</b>				<b>100.00</b>

### Notes

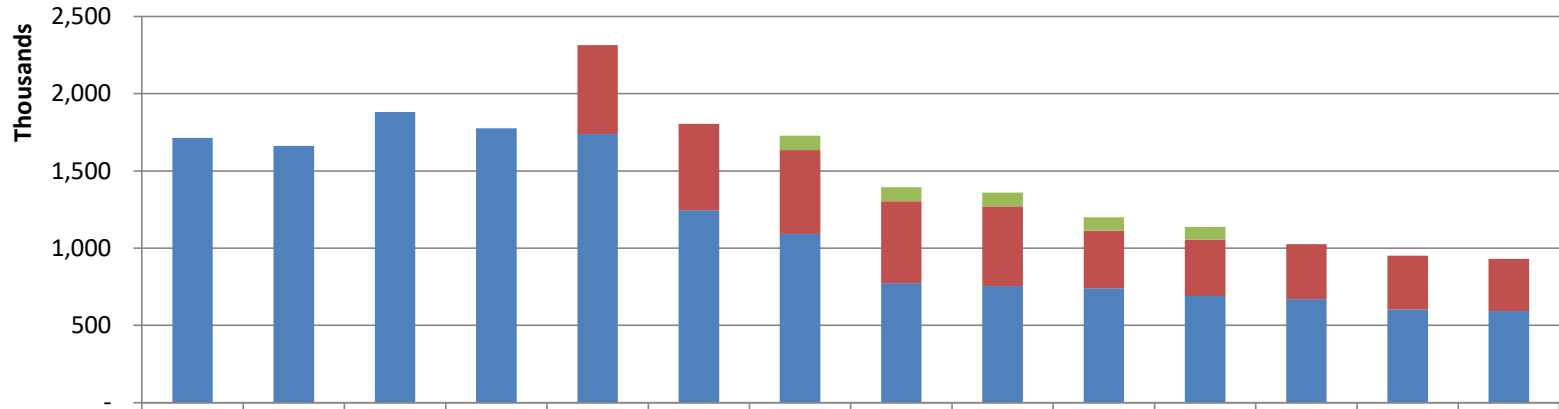
(1) - Org codes beginning with a '3' denote the project was originally funded by borrowing. Org codes beginning with a '1' or '6' denote original funding from available funds (free cash, retained earnings)

(2) - The first two digits of the project number indicate the year the project was approved by town meeting.





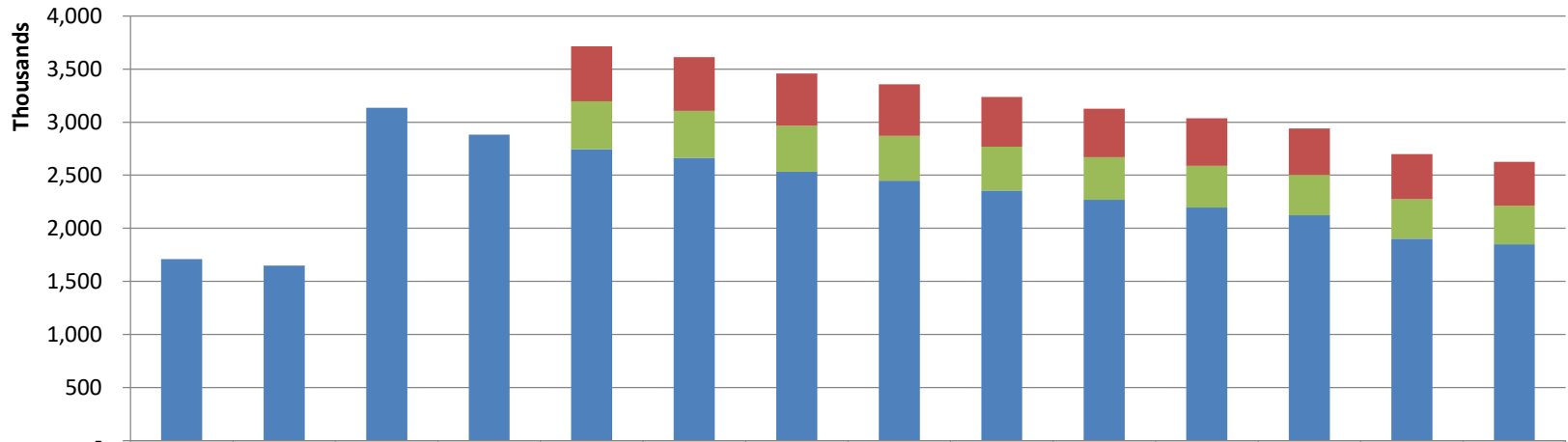
### Sewer Enterprise Debt FY20-FY33



	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Authorized but Unissued Debt							94,000	91,200	88,400	85,600	82,800			
FY22 Proposed Capital Plan	0	0	0	0	574,600	561,300	543,000	529,875	516,750	373,625	365,050	356,475	347,900	339,325
Existing LT Debt	1,713,070	1,662,319	1,882,303	1,776,964	1,739,611	1,244,622	1,092,120	773,046	753,823	739,667	690,474	668,974	603,747	591,866

■ Existing LT Debt    
 ■ FY22 Proposed Capital Plan    
 ■ Authorized but Unissued Debt

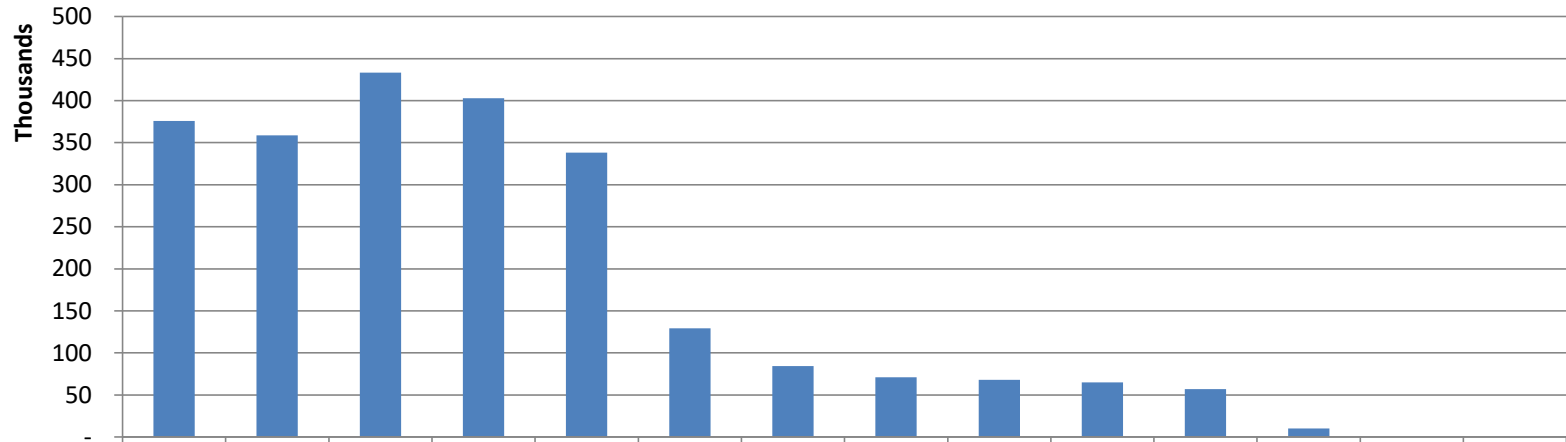
### Water Enterprise Debt FY20-FY33



	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
FY22 Proposed Capital Plan	0	0	0	0	515,700	505,025	494,350	483,675	468,000	457,500	447,000	436,500	426,000	415,500
Authorized but Unissued Debt	0	0	0	0	452,750	442,600	432,450	422,300	412,150	402,000	391,850	381,700	371,550	361,400
Existing LT Debt	1,710,037	1,648,609	3,135,501	2,882,980	2,744,328	2,663,557	2,532,780	2,449,238	2,356,455	2,268,415	2,196,313	2,122,517	1,901,991	1,850,901

■ Existing LT Debt    
 ■ Authorized but Unissued Debt    
 ■ FY22 Proposed Capital Plan

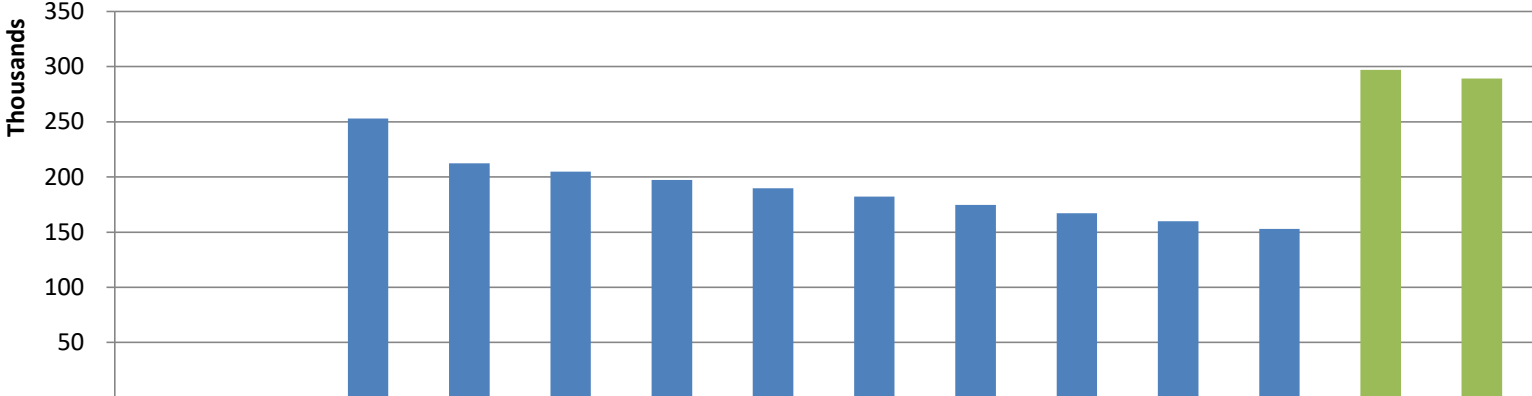
### Waterways Enterprise Debt FY20-FY33



	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
FY22 Proposed Capital Plan														
Existing LT Debt	375,849	358,514	433,382	402,658	338,025	129,175	84,275	70,900	67,900	64,900	57,025	10,400	-	-

■ Existing LT Debt    ■ FY22 Proposed Capital Plan

### Widows Walk (Golf) Enterprise Debt FY20-FY33



	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
FY22 Proposed Capital Plan														
Authorized but Unissued Debt													297,000	289,300
Existing LT Debt	-	-	252,876	212,250	204,750	197,250	189,750	182,250	174,750	167,250	159,750	153,000	-	-

■ Existing LT Debt    
 ■ Authorized but Unissued Debt    
 ■ FY22 Proposed Capital Plan

### Transfer Station Enterprise Debt FY20-FY33



	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
FY22 Proposed Capital Plan & Nov STM													297,000	289,300
Existing LT Debt	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-

■ Existing LT Debt     
 ■ FY22 Proposed Capital Plan & Nov STM

Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
47	MS4 Compliance	2022-411-01	DPW-Engineering	2022	GF	\$ 50,000	
47	MS4 Compliance	2023-421-01	DPW-Engineering	2023	GF	\$ 50,000	
47	MS4 Compliance	2024-421-01	DPW-Engineering	2024	GF	\$ 50,000	
47	MS4 Compliance	2025-421-01	DPW-Engineering	2025	GF	\$ 50,000	
47	MS4 Compliance	2026-411-01	DPW-Engineering	2026	GF	\$ 50,000	
<b>Total</b>						<b>\$ 250,000</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-411-01		
Project Title:	MS-4 (Municipal Separate Storm Sewer System)		
Category:	Mandate		
Department: Engineering	Contact:	Sean McCarthy	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

*A municipal seperate storm sewer system (MS-4) is a publicly-owned conveyance or system of conveyances designed and used for collecting or conveying stormwater.*

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

*As stormwater flows over streets and other impervious surfaces, stormwater sweeps up pollutants such as oils, chemicals, pathogens and sediment. This can have a negative impact on water quality and recreational uses. By monitoring the stormwater system and outfalls and taking steps to clean and maintain the system there by improving water quality. These requirements are a mandatory state and federal requirement for all municipalities.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	<input checked="" 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 checked="" type="checkbox"/> Free Cash <input type="checkbox"/> Revolving Fund
Equipment/Furnishings	\$0						<input type="checkbox"/> CPA
Contingency	\$0						<input type="checkbox"/> Grant(s) or Other
Other	\$0						
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

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

Open Space

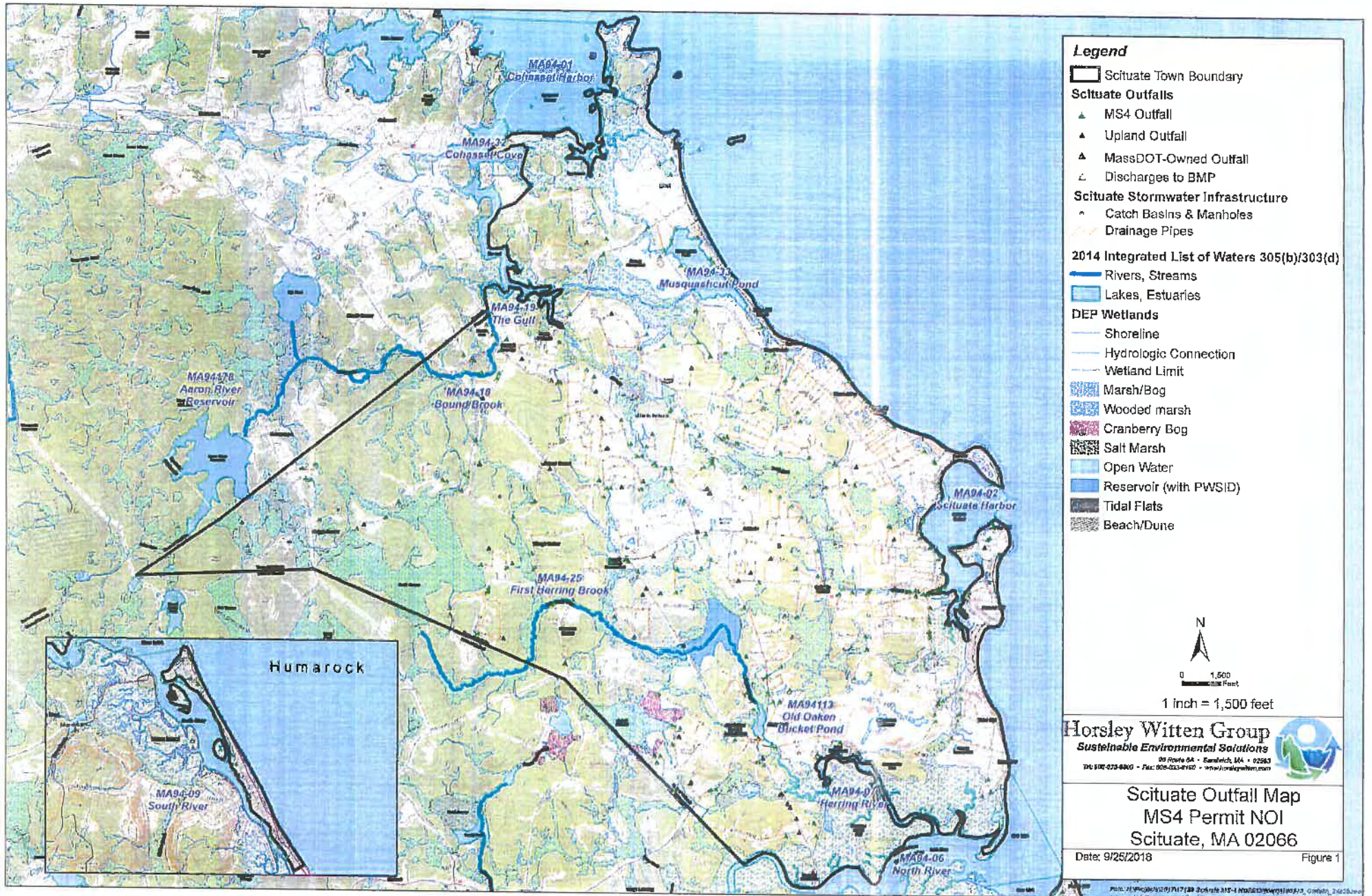
Recreation

Historical

Housing

**Operating Budget Impact**

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



**Legend**

- ▭ Scituate Town Boundary
- Scituate Outfalls**
  - ▲ MS4 Outfall
  - ▲ Upland Outfall
  - ▲ MassDOT-Owned Outfall
  - △ Discharges to BMP
- Scituate Stormwater Infrastructure**
  - Catch Basins & Manholes
  - Drainage Pipes
- 2014 Integrated List of Waters 305(b)/303(d)**
  - Rivers, Streams
  - Lakes, Estuaries
- DEP Wetlands**
  - Shoreline
  - Hydrologic Connection
  - Wetland Limit
  - ▨ Marsh/Bog
  - ▨ Wooded marsh
  - ▨ Cranberry Bog
  - ▨ Salt Marsh
  - ▨ Open Water
  - ▨ Reservoir (with PWSID)
  - ▨ Tidal Flats
  - ▨ Beach/Dune

N  
0 1,500 Feet  
1 inch = 1,500 feet

**Horsley Witten Group**  
 Sustainable Environmental Solutions  
 99 Route 6A • Eastwick, MA • 02543  
 Tel: 413-273-4400 • Fax: 413-273-4100 • www.horsleywitten.com

**Scituate Outfall Map**  
 MS4 Permit NOI  
 Scituate, MA 02066

Date: 9/25/2018 Figure 1





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2021 - FY2025**

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

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

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Project is:** New  Recurring  Resubmission

Multiyear  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>

**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>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

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

Open Space

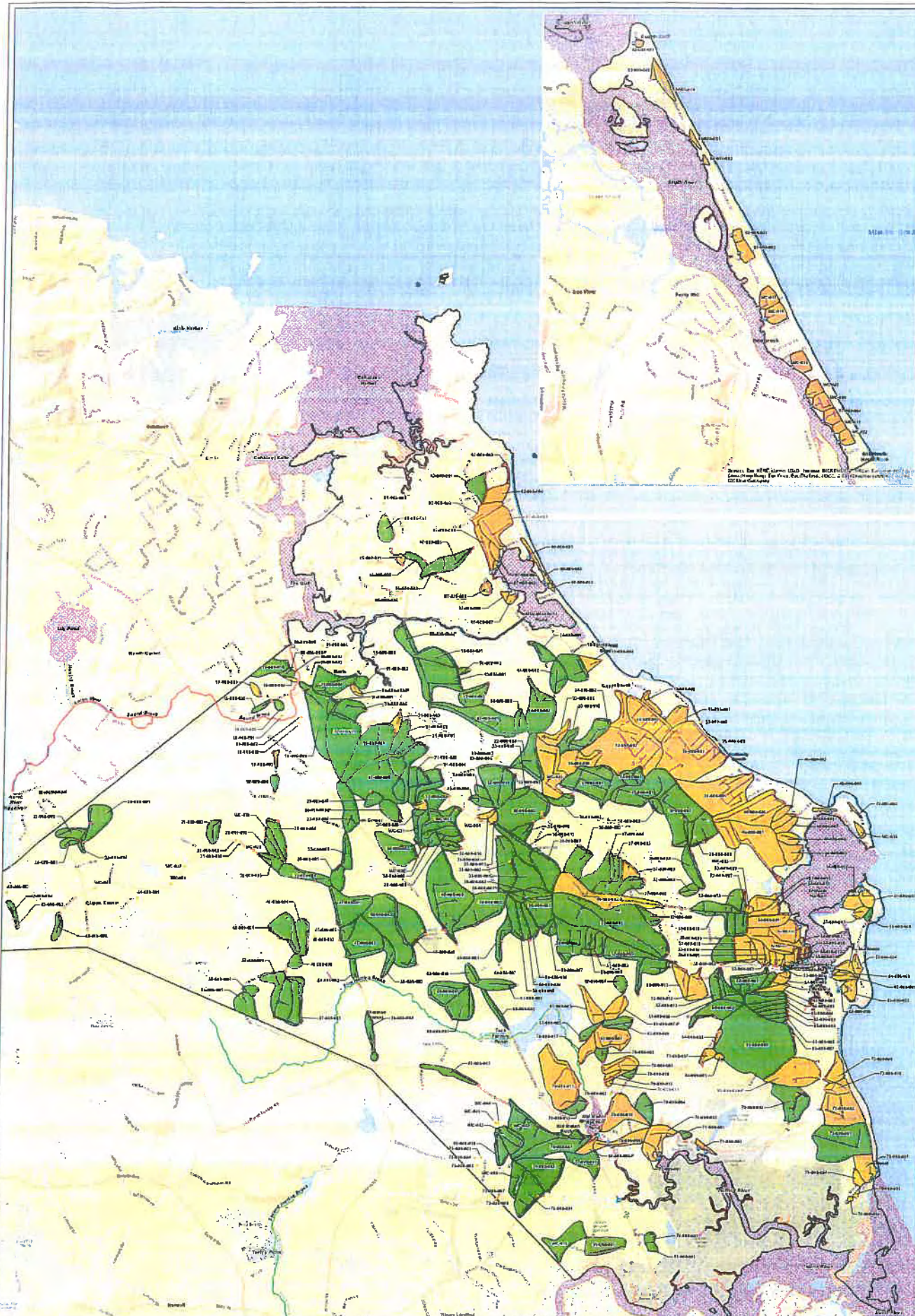
Recreation

Historical

Housing

**Operating Budget Impact**

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



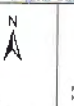
**Scituate IDDE  
Catchment Prioritization  
Scituate, MA**

- Sewer Priority
- Stormwater Discharge Point
- Sewer Catchment Area
- Stormwater Catchment Area
- Catchment Area Boundary
- Catchment Area ID
- Catchment Area Name
- Catchment Area Description

- IDDE Prioritization Category 1
- IDDE Prioritization Category 2
- IDDE Prioritization Category 3

- Water Body Type 1
- Water Body Type 2
- Water Body Type 3
- Water Body Type 4
- Water Body Type 5
- Water Body Type 6
- Water Body Type 7
- Water Body Type 8
- Water Body Type 9
- Water Body Type 10

- Road Type 1
- Road Type 2
- Road Type 3
- Road Type 4
- Road Type 5
- Road Type 6
- Road Type 7
- Road Type 8
- Road Type 9
- Road Type 10





**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**

**Capital Improvement Program: FY2021 - FY2025**

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

<b>Project Number:</b>	2025-421-01
<b>Project Title:</b>	MS-4 (Municipal Separate Storm Sewer Systems)
<b>Category:</b>	Study
<b>Department: Engineering</b>	<b>Contact: Sean McCarthy</b>

**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	\$50,000					\$50,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

Updated as of: October 2016

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2026-411-01		
Project Title:	MS-4 (Municipal Separate Storm Sewer System)		
Category:	Mandate		
Department: Engineering	Contact:	Sean McCarthy	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Project is:**

New       Recurring       Resubmission

Multiyear       Phase - Final

**Description:**

*A municipal separate storm sewer system (MS-4) is a publicly-owned conveyance or system of conveyances designed and used for collecting or conveying stormwater.*

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

*As stormwater flows over streets and other impervious surfaces, stormwater sweeps up pollutants such as oils, chemicals, pathogens and sediment. This can have a negative impact on water quality and recreational uses. By monitoring the stormwater system and outfalls and taking steps to clean and maintain the system there by improving water quality. These requirements are a mandatory state and federal requirement for all municipalities.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<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>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
54	Foreshore Protection	2022-411-01	DPW - Foreshore Protection	2022	GF	\$ 200,000	
54	Foreshore Repairs - Seawall Turner Rd/Oceanside	2022-411-02	DPW - Foreshore Protection	2022	GF	\$ 2,000,000	
54	Foreshore Protection	2023-411-01	DPW - Foreshore Protection	2023	GF	\$ 200,000	
56	Foreshore Repairs - FEMA - 3rd Cliff	2023-411-02	DPW - Foreshore Protection	2023	GF	\$ 12,000,000	FEMA subsidized 75%
54	Foreshore Protection	2024-411-01	DPW - Foreshore Protection	2024	GF	\$ 200,000	
62	Seawall Replacement - Cedar Point ACoE project	2024-411-02	DPW - Foreshore Protection	2024	GF	\$ 8,000,000	ACoE subsidized 65%
54	Foreshore Protection	2025-411-01	DPW - Foreshore Protection	2025	GF	\$ 200,000	
54	Foreshore Protection	2026-411-01	DPW - Foreshore Protection	2026	GF	\$ 200,000	
<b>Total</b>						<b>\$ 23,000,000</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-411-01
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 [ ]    Phase - Final

**Description:**

*The Town of Scituate continues to contract with coastal consultants to prepre construction and bidding documents to repair or maintain coastal structures throughout Town. Contract documents are currently being designed and prepared for 1,400 feet of seawall and 2 beach access points.*

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

*By moving ahead with design and contract documents, the Town of Scituate has shovel ready projects to apply for grant funding thru the Dam ,levee and seawall fund thru the Executive Office of Energy and Environmental Affairs.*

These funds are also used for:

- Emergency Repairs
- Maintenance (Small Concrete Repairs/Revetment Repairs)

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$1,000,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

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

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

<b>Project Number:</b>	2022-411-02
<b>Project Title:</b>	Foreshore Protection
<b>Category:</b>	Design/Construction
<b>Department: Engineering</b>	<b>Contact:</b> Sean McCarthy

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

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

**Description:**

The DPW continues to prepare construction documents for seawall replacement along Oceanside Drive and Turner Road. Contract documents are currently being designed and prepared for 1,400 feet of seawall and 2 beach access points. As part of the design process, grant applications offered by the Executive Office of Energy and Environmental Affairs for Dam and Seawall Projects are prepared. if Scituate is selected as a recipient of a seawall replacement, a 25% match is required.

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

Many of the seawalls along Oceanside Drive and Turner Road are in need of replacement. The DPW is focused on Foreshore Replacement projects and continues to pursue funding opportunities to maintain the coastline.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply		
		FY2022	FY2023	FY2024	FY2025	FY2026	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt	<input type="checkbox"/> Enterprise Retained Earnings Capital Stabilization Free Cash Revolving Fund CPA Grant(s) or Other
Study/Design/Construction	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0			
Land Acquisition	\$0								
Construction	\$0								
Equipment/Furnishings	\$0								
Contingency	\$0								
Other	\$0								
<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>	<b>\$0</b>	<b>\$0</b>	

<b>Grant Amount Requested</b>	\$0							
<b>CPA Amount Requested</b>	\$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>\$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





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2023-411-01
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	\$600,000			\$200,000	\$200,000	\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</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>\$600,000</b>	<b>\$0</b>	<b>\$0</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**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number:	2023-411-02		
Project Title:	Foreshore Protection - Third Cliff		
Category:	Construction		
Department:	Engineering	Contact:	Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Project Is:**      New          Recurring          Resubmission   

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

**Description:**

Repair damages incurred to foreshore structures by Storms Sandy, Nemo, Juno & Riley. 75% funding from FEMA.

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

To complete repair work from four catastrophic storms in the past ten years.

**Discuss Operating Budget Impact:**

75% FEMA funded

**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	\$12,000,000			\$12,000,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$12,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000,000</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 FEMA 75%

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>\$12,000,000</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					



### TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

#### Capital Improvement Program: FY2021 - FY2025

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

Project Number:	2024-411-01		
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	\$400,000				\$200,000	\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</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>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</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**

**Capital Improvement Program: FY2021 - FY2025**

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

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

<b>Project Number:</b>	2024-411-02
<b>Project Title:</b>	Foreshore Protection - Cedar Point Area
<b>Category:</b>	Design/Construction
<b>Department:</b> Engineering	<b>Contact:</b> Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Project is:** New     Recurring     Resubmission

Multiyear     Phase - Final

**Description:**

Army Corps of Engineers is currently performing a feasibility study of Hurricane and Coastal Storm Damage Reduction along a section of the Cedar Point area. The Scituate Engineering Department has been providing support to the Corps providing historical data, construction details and past storm damages as well.

**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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$8,000,000				\$8,000,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$8,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,000,000</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 ACoE 65%

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$8,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,000,000</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

## Capital Improvement Program: FY2021 - FY2025

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

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

Project Number:	2025-411-01		
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)	2021
Continued Seawall Design along Oceanside Drive	2022 Preventative
Maintenance and Emergency Repairs	2023 Additional Supplies (Stone)
Grant Assistance, Design Plans	2024 Preventative Maintenance and Emergency
Repairs	2025 Seawall and Revetment Repair Designs, Alternative
Foreshore Protection	

**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	\$200,000					\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

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

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

Open Space

Recreation

Historical

Housing

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2026-411-01
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 [ ]      Phase - Final

**Description:**

*The Town of Scituate continues to contract with coastal consultants to prepre construction and bidding documents to repair or maintain coastal structures throughout Town. Contract documents are currently being designed and prepared for 1,400 feet of seawall and 2 beach access points.*

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

*By moving ahead with design and contract documents, the Town of Scituate has shovel ready projects to apply for grant funding thru the Dam ,levee and seawall fund thru the Executive Office of Energy and Environmental Affairs.*

These funds are also used for:

- Emergency Repairs
- Maintenance (Small Concrete Repairs/Revetment Repairs)

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$1,000,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,000,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

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

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

**Town of Scituate  
Capital Plan - FY 2022-2026  
Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
45	Street Sweeper	2022-422-01	DPW - Highway	2022	GF	\$ 260,000	
52	Truck 1-8, Diesel Pick-up Truck	2022-422-02	DPW - Highway	2022	GF	\$ 45,000	
64	Road & Sidewalk Improvements	2022-422-03	DPW - Highway	2022	GF	\$ 200,000	
45	Truck 1-9, Diesel Pick-up Truck	2022-422-04	DPW - Highway	2023	GF	\$ 45,000	
33	Roof for Salt Shed	2023-422-01	DPW - Highway	2023	GF	\$ 30,000	
50	Truck 101 Medium Duty Truck	2023-422-02	DPW - Highway	2023	GF	\$ 51,000	
60	Road & Sidewalk Improvements	2023-422-03	DPW - Highway	2023	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2024-422-01	DPW - Highway	2024	GF	\$ 200,000	
22	Truck 102, Medium Duty Truck	2024-422-02	DPW - Highway	2024	GF	\$ 50,000	
20	Truck Lift	2025-422-01	DPW - Highway	2025	GF	\$ 28,000	
62	Road & Sidewalk Improvements	2025-422-02	DPW - Highway	2025	GF	\$ 200,000	
62	Road & Sidewalk Improvements	2026-422-01	DPW - Highway	2026	GF	\$ 200,000	
<b>Total</b>						<b>\$ 1,509,000</b>	

10/30/2020, 7:35 AM

\*Appearing for the first time on the plan

FY22-26 Master Listing (by dep)

**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

Project Number:	2022-422-01		
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 \$260,000 to the 2022 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2022	2023	2024	2025	2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$260,000	\$260,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$260,000</b>	<b>\$260,000</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>\$260,000</b>	<b>\$260,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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





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

October 7, 2020

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 John Deere 74hp engine, a/c, sprung guide wheel, autolube, color reverse camera, auto reverse broom pick up, upper and lower roller washout, 220 total gallons, sliding window curb side, am/fm/cd radio, air ride seat, painted White, 1 year standard warranty, and all other standard equipment.

ADDITIONAL EQUIPMENT

Spare tire/rim front and rear  
5 Year Warranty - parts and labor  
Front and rear LED corner strobes

TOTAL SELLING PRICE \$258,990.00

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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2022-422-02		
Project Title:	Truck 1-8, Diesel Pick up Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

*Replace the 2006 truck with a new pick up truck.*

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

*All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.*

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

*The existing 1-8 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.*

*The truck must be replaced because it is used for travel for light jobs around town including replacing traffic lights, after hours calls, to transport equipment parts, and for snow spot checking.*

**Discuss Operating Budget Impact:**

*The new truck will be an impact of \$45,000 to the 2022 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2022	2023	2024	2025	2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$45,000	\$45,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$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					



# Liberty Chevrolet



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

October 7, 2020

*Replace  
1-8  
1-9*

Dear Mr. Mason,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract #20-24, with the Plymouth County Commissioners. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

- Item #85      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
- Trailer 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                      \$30,422.00

Liberty Chevrolet, Inc.

90 Bay State Road • Wakefield, MA 01880 • Main 781-246-1919 • Fax 781-245-8987 • [www.libertychevy.com](http://www.libertychevy.com)

Available Factory Options:

QXT	LT265/70R17E All Terrain Radials	\$ 200.00
ZLQ	Work Truck Convenience Package	\$ 1,400.00
VYU	Factory Snow Plow Prep Package	\$ 300.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
5H1	2 Additional Keys	\$ 50.00
8S3	Back Up Alarm	\$ 138.00 -
V46	Chrome Front and Rear Bumpers	\$ 200.00
TGK	Factory Special Paint (Indigo Blue WA9792)	\$ 450.00
	Less Contract Discount for Options 3%	\$ (90.39)
	Adder for 2021 Model (3%)	\$ 1,000.34

Additional Contract Options:

1565	Whelen Mini Liberty LED Lightbar	\$ 1,350.00 ➔
295	4 Whelen Vertex Corner Flashers	\$ 750.00
1630	Fisher 8' Snow Plow System	\$ 6,537.00
1640	Fisher Snow Foil	\$ 480.00
1925	Spray-in Type Bedliner for Pick up	\$ 650.00
1939	Slide-in Combination Pintel/Ball Hitch	\$ 195.00 ➔
1949	4' Black Tube Steps	\$ 650.00 -
	<b>TOTAL DELIVERED PRICE</b>	<b>\$44,956.95</b>

42,624

Please note that the order cut-off date for this model has already passed, therefore I would recommend adding 3% to the vehicle cost, to cover the increase for the 2021 model. This increase is calculated and included in the pricing offered above.

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**

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2022-422-03		
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 2022 capitol.*

**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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2022-422-04		
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 [ ]

                         Multyear [ ]      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 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. This truck is also used in all hot top operations.*

**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 \$45,000 to the 2022 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2022	2023	2024	2025	2026	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$45,000	\$45,000					<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$45,000</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>\$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					



# Liberty Chevrolet



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

October 7, 2020

*Replace  
1-8  
1-9*

Dear Mr. Mason,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet per our contract #20-24, with the Plymouth County Commissioners. All vehicles offered under this contract come with a 5 year/100,000 mile powertrain warranty.

Item #85      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    \$30,422.00

Liberty Chevrolet, Inc.

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Available Factory Options:

QXT	LT265/70R17E All Terrain Radials	\$ 200.00
ZLQ	Work Truck Convenience Package	\$ 1,400.00
VYU	Factory Snow Plow Prep Package	\$ 300.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
5H1	2 Additional Keys	\$ 50.00
8S3	Back Up Alarm	\$ 138.00 -
V46	Chrome Front and Rear Bumpers	\$ 200.00
TGK	Factory Special Paint (Indigo Blue WA9792)	\$ 450.00
	Less Contract Discount for Options 3%	\$ (90.39)
	Adder for 2021 Model (3%)	\$ 1,000.34

Additional Contract Options:

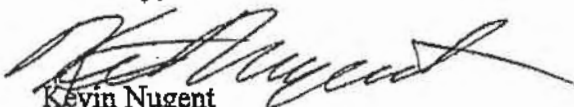
1565	Whelen Mini Liberty LED Lightbar	\$ 1,350.00 #
295	4 Whelen Vertex Corner Flashers	\$ 750.00
1630	Fisher 8' Snow Plow System	\$ 6,537.00
1640	Fisher Snow Foil	\$ 480.00
1925	Spray-in Type Bedliner for Pick up	\$ 650.00
1939	Slide-in Combination Pintel/Ball Hitch	\$ 195.00 #
1949	4' Black Tube Steps	\$ 650.00 -
	<b>TOTAL DELIVERED PRICE</b>	<b>\$44,956.95</b>

42,624

Please note that the order cut-off date for this model has already passed, therefore I would recommend adding 3% to the vehicle cost, to cover the increase for the 2021 model. This increase is calculated and included in the pricing offered above.

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**

**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

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$30,000			\$30,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</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>\$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					





Available Factory Options:

QXT	LT265/70R17E All Terrain Radials	Standard
ZLQ	Work Truck Convenience Package	\$ 1,400.00
VYU	Factory Snow Plow Prep Package	\$ 300.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
5H1	2 Additional Keys	\$ 50.00
8S3	Back Up Alarm	\$ 138.00 —
V46	Chrome Front and Rear Bumpers	\$ 200.00
TGK	Factory Special Paint (Indigo Blue WA9792)	\$ 450.00
	Less Contract Discount for Options 3%	\$ (84.39)
	Adder for 2021 Model (3%)	\$ 1,021.40

Additional Contract Options:

1565	Whelen Mini Liberty LED Lightbar	\$ 1,350.00 —
295	4 Whelen Vertex Corner Flashers	\$ 750.00
1630	Fisher 8' Snow Plow System	\$ 6,537.00
1640	Fisher Snow Foil	\$ 480.00
1807	1300 LBS Capacity Aluminum Liftgate	\$ 4,490.00
1925	Spray-in Type Bedliner for Pick up	\$ 650.00
1939	Slide-in Combination Pintel/Ball Hitch	\$ 195.00 —
1949	4' Black Tube Steps	\$ 650.00 —
	<b>TOTAL DELIVERED PRICE</b>	<b>\$50,170.01</b>

47,837

Please note that the order cut-off date for this model has already passed, therefore I would recommend adding 3% to the vehicle cost, to cover the increase for the 2021 model. This increase is calculated and included in the pricing offered above.

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**

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2023-422-03		
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					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	\$200,000			\$200,000			<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>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>		

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021- FY2025**

Date submitted: 09/20/18

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

Project Number:	2024-422 --01		
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  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 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	\$200,000				\$200,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other 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>\$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**

**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/Kevln 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 tapping 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  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875445

CONFIRMATION PRINTOUT

*[Handwritten signatures and marks]*  
 2500  
 99/1/12

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

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 0050N PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TBZ068  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYNHAM (44798)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44798)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875445

Plow - Add \$6500

Vehicle: 2017 2500 TRADESMAN REG CAB 4X4 (140 in WB 8 FT 0 IN box) (047LS2)

Model:	Sales Code	Description	MSRP (USD)
Packages:	DJ7 02	2600 TRADESMAN REG CAB 4X4 (140 in WB 8 FT 0 IN box)	34,695
	2FA	Customer Preferred Package 2FA	0
	ETX	3.7L I6 Cummins Turbo Diesel Engine	8,100
	EG7	6-Spd Automatic 68RFE Transmission	0
Rain/Seal/Tint:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	YSX	Work Grade Vinyl 40/20/40 Bench Seat	195
	XB	Black/Diesel Gray	0
Options:	4DH	Prepaid Holdback	0
	4ES	Delivery Advance Credit	0
	MAP	Fleet Purchase Incentive	0
	UA1	Uconnect 3.0	195
	XAD	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	Uptiter Electronic Module (UESM)	325
	XMP	Spray In Bedliner	485
	LNJ	Fog Lamps	195
	LHL	Auxiliary Switches - 1/2" Mounted	145
	AED	Chrome Appearance Group	895
	PK3	Elec Shift-On-The-Fly Transfer Case	270
	AJH	Power and Remote Entry Group	735
	ADE	Cold Weather Group	95
	GPQ	Power Black Trailer Tow Mirrors	195
	XHQ	Trailer Brake Control	280
	AHD	Heavy Duty Snow Plow Prep Group	135
	ENB	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	1R2	Zone 02-New York	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid (eligible for incentive)	0
Bid Number:	TBZ068	Government Incentives	0

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

Note: This is not an invoice. The prices and equipment shown on this price order approximation are tentative and subject to change or correction without prior notice. No claims against the contract listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.



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

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

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 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)	
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 their situation.

Updated 7/12

MN STATE DOT



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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    [ x ]    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					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	\$28,000					\$28,000	<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>\$28,000</b>	\$0	\$0	\$0	\$0	\$28,000	<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>\$28,000</b>	\$0	\$0	\$0	\$0	\$28,000

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

Open Space

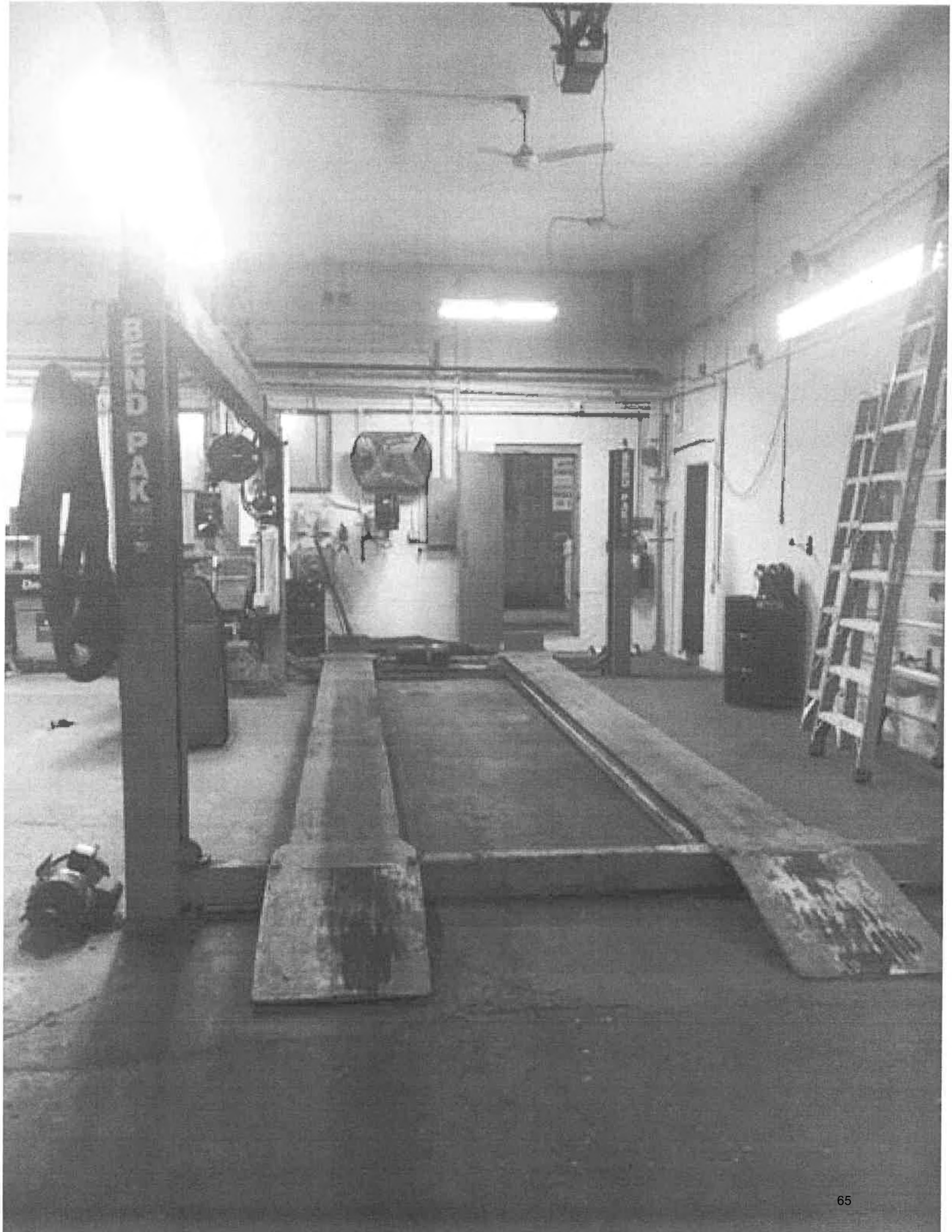
Recreation

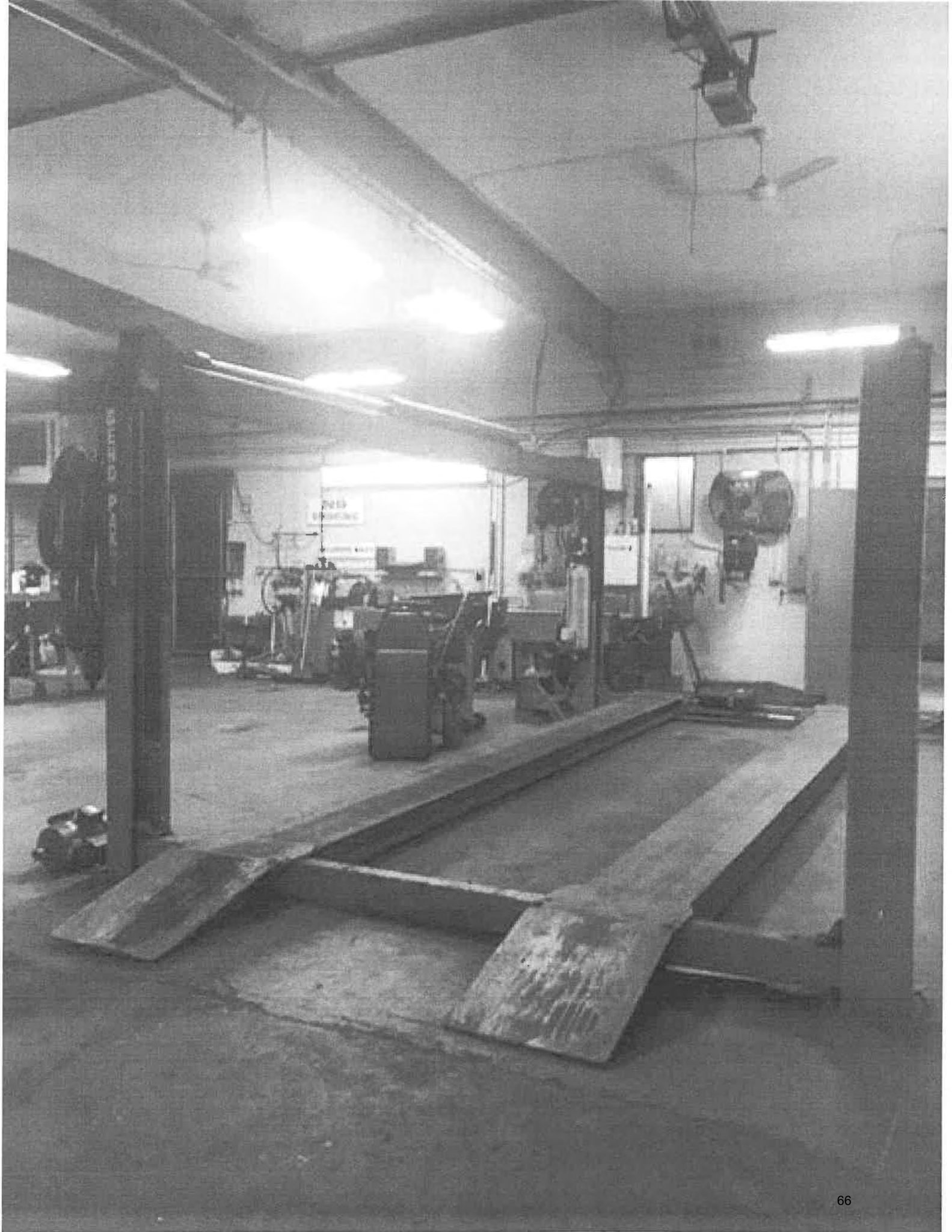
Historical

Housing

**Operating Budget Impact**

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





Serving customers since 1996

**(800) 229-6218**

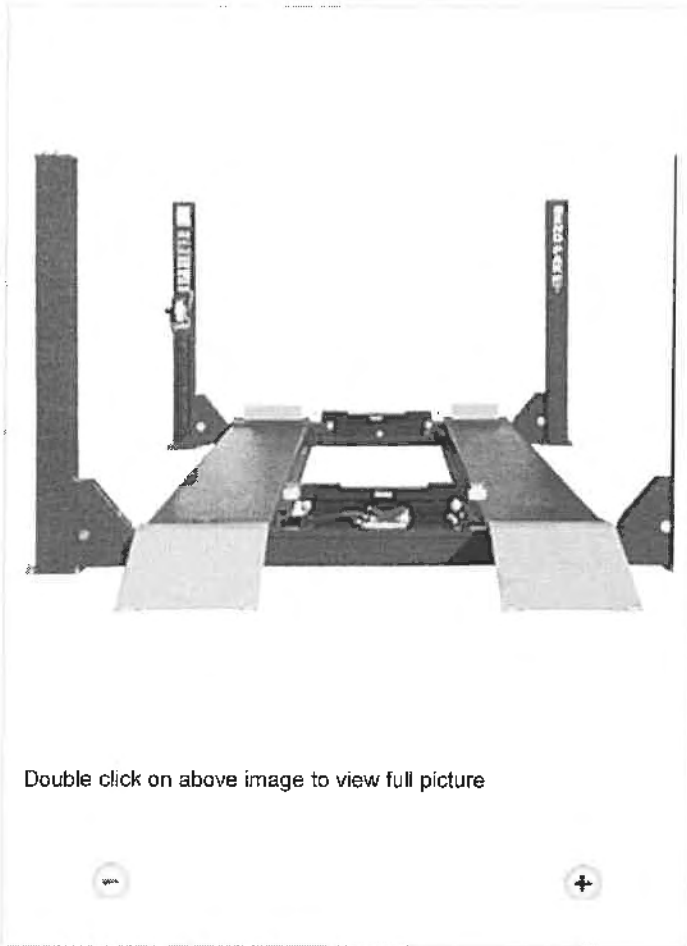
search auto equipment

For most orders - **Free**

**Car Lifts**   **Tire Changers & Balancers**   **Battery & Jump Starters**   **Jacks**   **Air Compressors**

Home   Car Lifts   4 Post Lifts   **BendPak Four Post Truck Lift 40,000-lb. Capacity HDS40X**

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



Availability: **In stock**

**\$34,415.00**

**\$26,285.00**

Qty:

-OR-

**PayPal** Check out

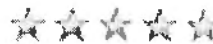
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Buy now. Pay over time.

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

**MORE VIEWS**



**Robert C**

24 Sep 2018

Easy web site to use.





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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 [ ]

                  Multyear [ ]    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				
		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>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other 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>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022- FY2026**

Date submitted: 10/20/2020

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

Project Number:	2026-422-01		
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 2026 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2022	2023	2024	2025	2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$200,000					\$200,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other 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>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
43	Flail Mower	2022-429-01	DPW - Grounds	2022	GF	\$ 36,000	
35	Stump Grinder	2022-429-02	DPW - Grounds	2022	GF	\$ 45,000	
23	Bucket Truck*	2022-429-03	DPW - Grounds	2022	GF	\$ 269,000	
35	Field Repair/Construction	2022-429-04	DPW - Grounds	2022	GF	\$ 58,000	
32	Leaf & Debris Vacuum	2023-429-01	DPW - Grounds	2023	GF	\$ 33,000	
47	Cemetery Maintenance Database Program	2024-429-01	DPW - Grounds	2024	GF	\$ 30,000	
51	Excavator	2024-429-02	DPW - Grounds	2024	GF	\$ 65,000	
43	Replace #2-0 1999 Ford 250 Pick-up	2024-429-03	DPW - Grounds	2024	GF	\$ 50,000	
34	Replace #2-8 - 2007 Chevy 3600 Dump Truck	2025-429-01	DPW - Grounds	2025	GF	\$ 65,000	
27	Walkway Improvement at Town Hall	2025-429-02	DPW - Grounds	2025	GF	\$ 35,000	
27	Gates School Field Repair	2025-429-03	DPW - Grounds	2025	GF	\$ 60,000	
25	Multihog Roadside Brush Cutter	2025-429-04	DPW - Grounds	2025	GF	\$ 142,000	
27	John Deere 1445 Mower	2025-429-05	DPW - Grounds	2025	GF	\$ 40,000	
<b>Total</b>						<b>\$ 928,000</b>	

10/30/2020, 7:35 AM

\*Appearing for the first time on the plan

FY22-26 Master Listing (by dep)



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$36,000		\$36,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$36,000</b>	<b>\$0</b>	<b>\$36,000</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>\$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

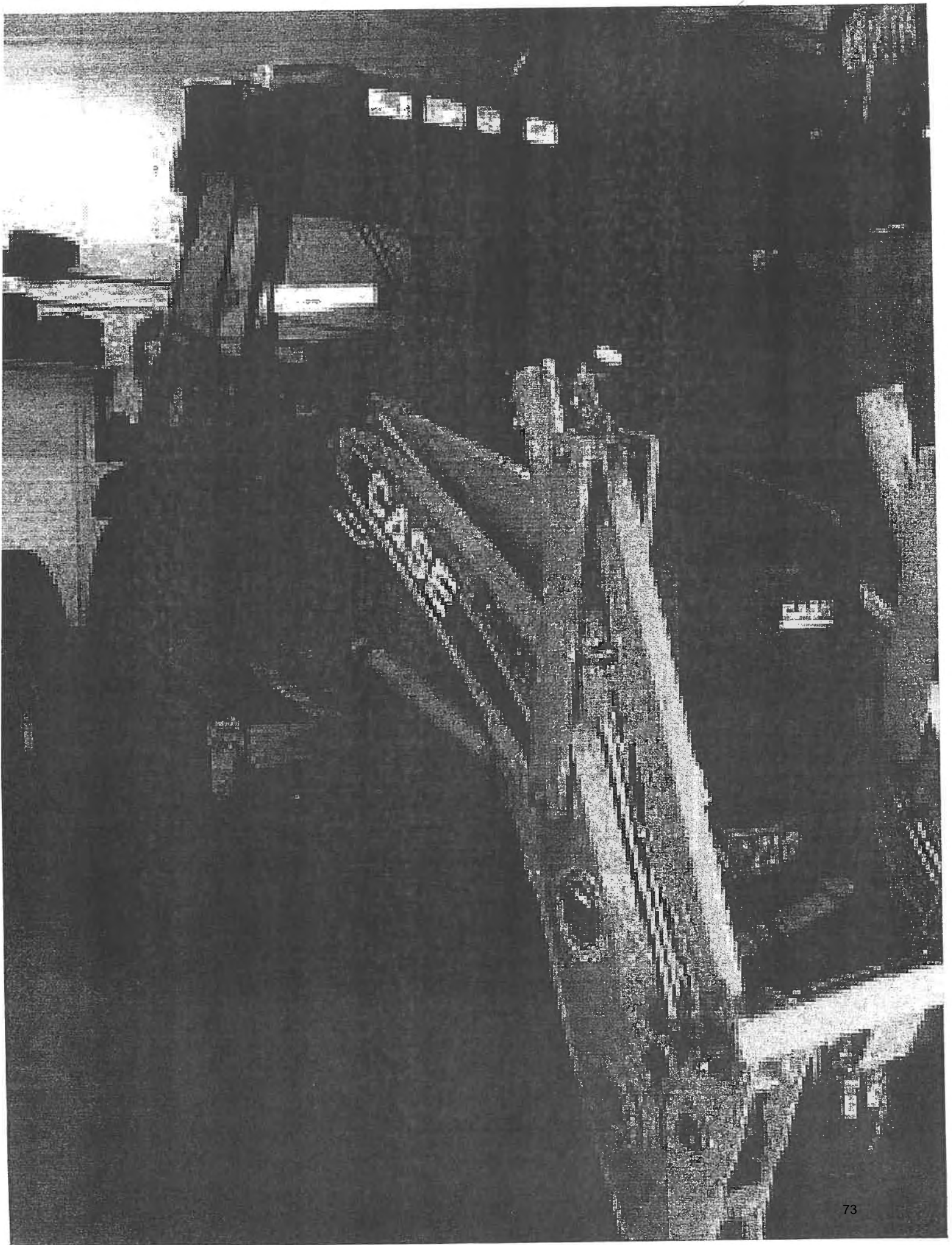
Historical

Housing

**Operating Budget Impact**

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









Fac 88

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.	October 7, 2020 09:10 AM 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)	<i>John Deere Green</i>
---	-------------------------

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

Qty	Part #	Description	Base Price
1	MODEL-2550	Model 2550XP - Self-Propelled Stump Grinder	\$ 31580.00

**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	(1) weatherproof machine manual (includes safety, operation and parts sections) also (1) engine and clutch manual is included if applicable	\$ 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	OPTION-203-5000-66	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)	\$ 2325.00	\$ 2325.00
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	OPTION-203-5000-	35" Wide hydraulically operated grading blade (Manual Units Only)	\$ 2550.00	\$ 2550.00

**CUSTOMER TOTALS**

<b>Total Unit Price:</b>		<b>\$ 50425.00</b>
<b>Customer Discount:</b>	15.0000 %	<b>- \$ 7563.75</b>
<b>Dealer Preparation/Delivery:</b>		<b>\$ 375.00</b>
<b>Customer Net Unit Price:</b>		<b>\$ 43236.25</b>
<b>Freight/Shipping:</b>		<b>\$ 1100.00</b>
<b>Customer Total:</b>		<b>\$ 44336.25</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 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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: \_\_10/9/20

Project Number:	2022-429-03		
Project Title:	Bucket Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevln Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

*Rear Mount Forestry Bucket Truck*

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

*Bucket Truck does a lot of different functions for the Town including all tree work, work on traffic lights, working on banners and any work required for more than 10 feet elevations.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2022	2023	2024	2025	2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$269,000	\$269,000				\$0
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$269,000</b>	<b>\$269,000</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>\$269,000</b>	<b>\$269,000</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					



**RBG Inc**  
 317 Route 27  
 Raymond, NH 03077  
 Tel: (603) 895-8803 / Fax: (603) 895-4866  
*"Sales and Service of Truck Mounted Hydraulic Equipment"*  
[www.raymondbucketguys.com](http://www.raymondbucketguys.com)

Sept 30, 2020

*Bucket Truck*

Taylor and Lloyd  
 Ed Nolan  
 8 Railroad Ave  
 Bedford, MA 01730

**RE:** Town of Scituate DPW

**FOR:** New Rear Mount Forestry Unit

RBG and Versalift Forestry are proud to submit for your review a proposal for a VERSALIFT VO-270-I, Rear Mounted, insulated 70 ft. 10 in. (21.6 m) overcenter, articulated aerial platform lift, 75ft. 10 n working height (23.1). With 50 ft. 8 in. (15.4 m) over-center horizontal reach. This vehicle has been designed to meet and exceed the needs of the City of Marlboro. Additionally, we have utilized a Task Relevant Utility Equipment design (TRUE) which takes into consideration the rigors of job, safety demands, job scope and placement of the equipment within traffic patterns.

Our Sales and Service Center is located in Raymond , New Hampshire with full Field Service Support and 24 Hour Emergency Service throughout New England and New York.

We have included the following items:

**AERIAL DEVICE**

**Platform:** The fiberglass platform is 24" x 24" x 42" deep with inside and outside step for easy access. The maximum platform capacity is 350 lbs. (161 kg). The VO-270 platform is side mounted and classified as one man.

**Tilt Platform:** The tilt platform can be quickly released and tipped for rescue or clean out.

**Mechanical Platform Leveling:** Platform leveling is achieved automatically through a completely enclosed parallelogram system. The major components of this system include 1/2" (13 mm) diameter fiberglass leveling rods, and #60 high strength roller chain. There are no cables used in this system. The fiberglass leveling rods maintain the

insulation gaps in all boom positions and are tested at twice the rated load. The tension is adjusted by means of a threaded rod in the upper and lower boom and platform leveling is adjusted by a threaded rod at the turret.

**Lower Boom:** The lower boom is designed and constructed from high strength steel plate, forming a 10" x 12" (250mm x 300mm) rectangular tube. **Boom articulation is 125° from horizontal to 35° past vertical.** Articulation is achieved by using a double-acting hydraulic cylinder equipped with two integral holding valves. In the event of a hydraulic failure, the integral holding valves prevent the booms from dropping by locking the booms in position. In addition, the cylinder rod eye is both threaded and welded.

**Chassis Insulating System (Lower Boom Insert):** Each end of a high strength filament-wound epoxy resin fiberglass is inserted into the steel boom sections. A fiberglass insert maintains a 18" (0.61m) insulation between the two steel sections. The steel and fiberglass sections are bonded with pressure-injected adhesive, which fills all the voids. After the adhesive cures, 16 bolts are installed to ensure maximum strength. A stainless-steel stud is supplied at each end of the insert to shunt the chassis insulating system during electrical testing.

**Insulated Upper Boom:** The rectangular upper boom tapers from 8" x 12" (200mm x 300mm) at the elbow end to 8" x 10" (200mm x 250mm) at the platform end and is constructed of high strength filament-wound epoxy resin fiberglass. The fiberglass has a gel coat and a high gloss durable urethane finish for added weather protection and water beading. A steel weldment is inserted into the fiberglass at the elbow end of the boom then adhesive is pumped in under pressure to fill all voids. The fiberglass boom is certified for 46KV and below in accordance with ANSI A92.2 Category C dielectric rating requirements. **The upper boom articulates a total of 245° relative to the lower boom.** A side by side boom design allows low travel height and improved platform access. The upper boom articulation is accomplished by a double acting hydraulic cylinder and 4-bar mechanical linkage. The system does not use any cables and the booms can be stowed in any sequence. A double acting holding valve is provided. An upper boom storage cradle mounted on the turret assures solid boom support in the stowed position. A ratchet-type boom tie-down strap is included.

**Turret:** The turret wings are designed for strength and rigidity. The bearing cover is continuously welded to seal out moisture and prevent foreign materials from obstructing the turret rotation. The 1 ¼" (32mm) turret base plate is machined to provide a flat surface to support the rotation bearing.

**Continuous Rotation:** Rotation is continuous and unrestricted in either direction. This is accomplished by a hydraulically driven worm and spur gear with a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are grade 8 hex head capscrews. These critical bolts are torque seal marked to provide a quick means of detecting any turning of the bolt upon

inspection. An eccentric ring gearbox mounting allows for precise adjustments to the gearbox to pinion clearance.

**Lubrication:** Non-lube bearings are used at most points of motion. Only the rotation bearing and extension chain require lubrication.

**Elevator** – The **Transverse** elevator replaces a traditional pedestal and provides a 10 ft (3.0 m) vertical lift. The elevator is actuated by two double acting cylinders. An equalizer link keeps each cylinder synchronized through the full range of motion. All major components are fully boxed to provide a stiff and secure structure. The top plate of the elevator is 1-1/4 in. (32 mm) thick and machined flat to support the rotation bearing.

**Subframe:** The transverse subframe is designed for 108-inch cab to axle chassis. The chassis frame must be a minimum 18 in<sup>3</sup> section modulus and a 900,000 in-lbs frame resisting bending moment.

**Main Outriggers:** The main A-frame outriggers are attached to the subframe. The outriggers are equipped with pilot operated check valves, internal thermal relief valves and separate controls for each outrigger. At maximum extension, the outriggers provide 150" (3.81 m) of spread and a maximum of 7" (178 mm) of penetration based on a 36" (0.91 m) frame height. Extensions on outrigger feet. Using 4 A-Frame outriggers. Outrigger selector control s are included. An alarm will sound when the outriggers are in motion.

**Outrigger/Boom Interlock System:** The outrigger/boom interlock system prevents lift operation until the outriggers contact the ground and outrigger retraction before the aerial lift is properly stored.

**Paint:** The complete unit is primed and painted before assembly. The standard color is white urethane.

**Hydraulic System:** The open-center hydraulic system operates at 2900psi (205 kg/cm<sup>2</sup>) at 7 gpm (26 lpm). A 10-micron return-line filter, mounted above the hydraulic oil level and inside the pedestal, can easily be changed without draining the reservoir. A filter gauge with a color coded range is used to monitor the condition of the return line filter for replacement. The 100 mesh (149 micron) suction strainer in the reservoir can be removed for cleaning. A gate valve, located below the reservoir, prevents oil loss when the pump is serviced. A magnetic drain plug attracts metal particles from the oil. Sight gauges mounted on the reservoir wall are convenient for monitoring the oil level.

**Hydraulic Oil Reservoir:** External 30 gal. (115 L) hydraulic reservoir has anti-splash baffles, a return line filter gauge, and easy to read fluid level gauges. HVI-22 Hydraulic Oil

**Cylinders:** Both the upper and the lower cylinders are a threaded head-cap design. The upper cylinder is equipped with two integral holding valves to prevent creep down

and lock the booms in position in case of hose failure. All holding valves are recessed into the base of the cylinders to provide protection from falling objects. When stowed, both cylinder rods are retracted, protecting them from damage and rust.

**Hydraulic Tools:** Dual set of hydraulic tool ports (pressure port and return port) at the upper controls. A pressure-reducing valve is used to limit the tool pressure. This valve is preset at 2000 psi (140 kg/cm<sup>2</sup>), but can be adjusted to the desired tool pressure. The tool circuit provides a 7 gpm (26 lpm) flowrate.

**Control Valves:** Full pressure hydraulic control valves at the platform and turret control rotation, upper boom, and lower boom movements. The upper control is Unitrol single stick upper control is optional. The lower controls are equipped with a selector valve to override the upper controls and also serves as the emergency stop for the upper controls. The outriggers are operated by separate control valves located with the ground controls. On reverse mounted units, an additional control valve is provided to operate a dump body. Hydraulic tool power is standard at the upper controls.

**Hoses and Fittings:** The hoses, routed through the booms, are high pressure and non-conductive with swaged hose end fittings. Retainers separate the hoses inside the booms to prevent chafing and nylon sleeves are installed over hoses at points of movement. Reusable fittings can be installed if a hose is damaged.

**Electrical Insulation Specifications:** The outer/inner boom assembly is tested and certified for electrical work at 46 KV and below in accordance with ANSI A92.2 requirements. It is fully insulated even in a retracted position. The chassis insulating system (lower boom insert) is also tested according to ANSI A92.2. Vacuum prevention for all the hydraulic hoses routed through the insulated booms is standard on VO-270-I.

**Manuals:** Two operator's manuals and two service manuals are included with each VO-270-I aerial lift.

**Warranty:** Those parts manufactured by Time Manufacturing are warranted for one (1) full year from date of purchase.

**The following equipment will be provided:**

**Aerial Bucket:**

Versalift over center aerial, Model VO270 Rear mount- 75 ft. vertical **White** booms working height, 50 ft. side reach, Upper boom with 245 degree travel, lower boom with 125 degree travel, 360 continuous rotation, both booms dielectrically tested, one man bucket-350 lbs with liner & cover, Manual tilt to dump water or rescue, pistol grip control at bucket, hydraulic tool circuit at bucket, A-frame outriggers, Outside interlocks, outrigger motion alarm, electric shift PTO.

**Chassis:**

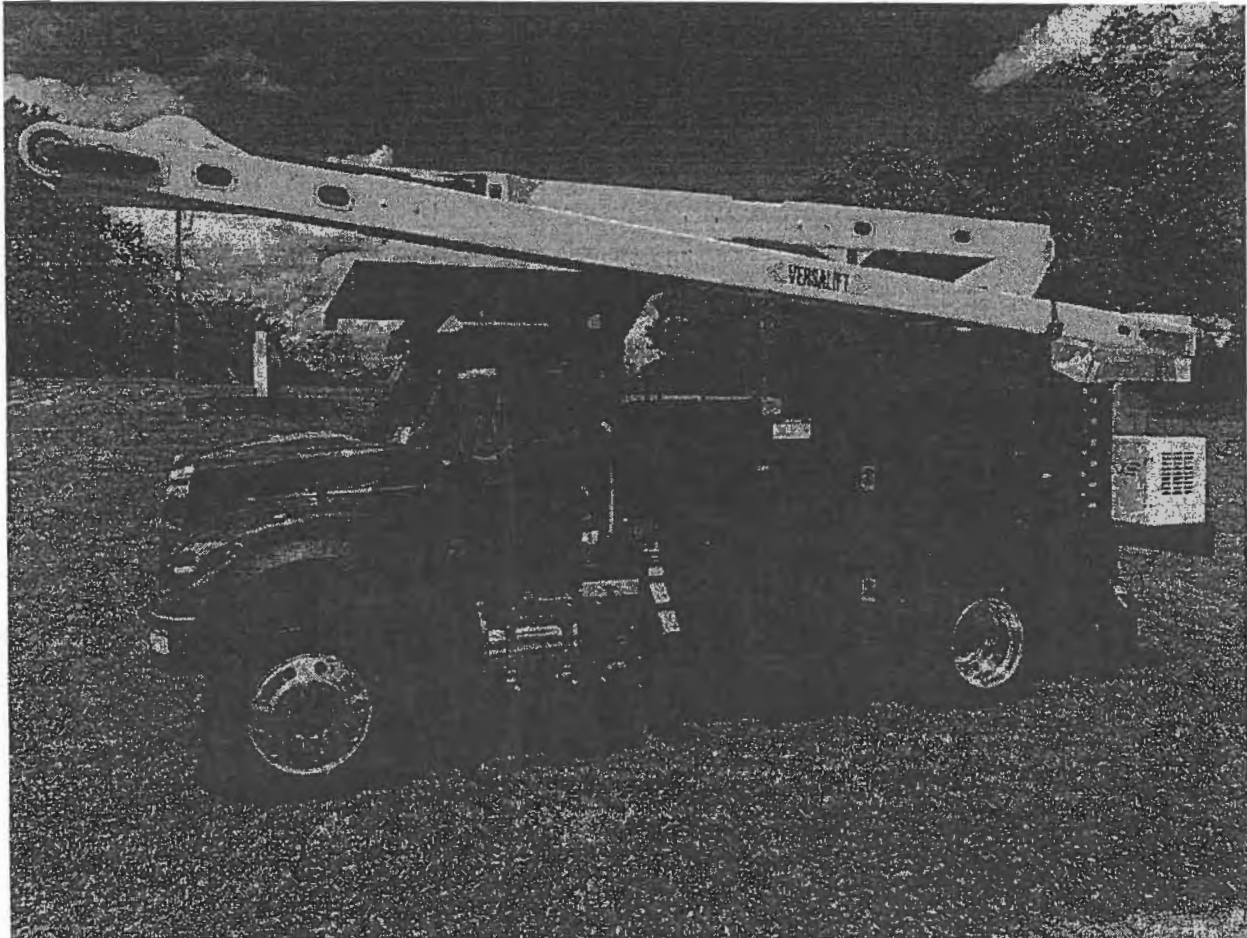
Installed on customer supplied chassis

**Body:**

Flatbed body, Wheel chock holders and chocks, LED amber strobe lights, Outrigger pads and holders, Back up alarm, 20,000 lb capacity tow package with pintle hook, 6-pin trailer plug, body harness and lanyard, fire extinguisher, DOT triangle kit, Versalift Operator/Parts manuals, road tested and safety inspected, trailer brake control, half cab guard (**Black in color**), Two (2) plywood racks (**black in color**), elevator and outriggers (**black in color**), cone holders to hold min 20 cones total, outrigger feet extensions

**Tool Box:**

34" W I-shaped tool box with locking doors, door seal, gas shock door stays, exterior bar locks and pass thru bins-**RED IN COLOR**



## **MINIMUM TRUCK SPECIFICATIONS**

Minimum Specs needed

Current year model

270HP Diesel Minimum

Chassis to have a agreed upon Useable CA with a clean frame behind cab. Customer responsible if items have to be moved using current shop rate. 120,000PSI Frame with 20.1 Section Modulus

100 inches After Frame

Transmission with PTO gear and opening

GVW Minimum - 33,000lbs - 12,000lbs Front - 21,000lbs Rear – 13,600lb Front Springs

- 23,500lbs Rear Springs with Auxiliary Springs

Air Brakes with Air Dryer and Heater

11R22.5 Tires at Minimum

Auxiliary Switches in Cab with 12V Wire to rear of Cab

Wiring for Brake Controller in Cab to end of Frame

Tow Hooks

Exhaust can be Vertical or Horizontal

## PROJECT OVERVIEW

### **DELIVERY:**

**10-12 weeks after receipt of  
aerial, body and chassis**

### **SUGGESTED OPTIONS:**

Emergency Power:

Advise as to warning light packages

Advise as to night work lighting systems

Thank you for the opportunity

Should any questions arise please feel free to contact me at the numbers listed below  
(603) 895-3803 Corporate (401) 573-8756 Office/Cell (24 hours)  
(603) 895-4866 Corporate Fax (401) 934-1001 Office Fax

Respectfully,

*Dave Gaiewski*

Dave Gaiewski  
Sales



## **DELIVERY AND TRAINING**

The customer should be able to review the completed vehicle for compliance to the specifications at the manufacturer's upfit center. There are no limitations in place for these "in production" inspections

The upfitting and service center shall provide qualified personnel to "in-service" the completed unit and instruct personnel in the proper operation and maintenance. The training shall take place at the customer's designated location.

The training format shall be as follows:

- Aerial Operator's Safety Review
- Completed vehicle walk-around and review
- Actual operation by all intended operator's

Additionally, this training shall comply with ANSI A92.2 2009 Edition accepted March 10, 2010. This shall include "hands on" recognition and avoidance of hazards associated with their operation and actual operation of the aerial device. Such items that will be covered will include the following:

- Purpose and use of the manuals  
Operating manuals are an integral part of the aerial device and must be stored on the unit when not in use.
- Pre-start/pre-flight of the aerial device
- Responsibilities associated with problems or malfunctions affecting the aerial equipment
- Factor affecting stability
- The purpose of placards and safety decals
- Workplace inspection
- Authorization to operate
- Operator warnings and instructions
- Actual operation of the aerial device which will be conducted at the direction of a qualified manufacturer's agent. The use of computer generated models or training will not be an allowable substitute. The trainees shall operate the actual delivered device for a sufficient period and demonstrate proficiency and actual operation.
- Proper use of personal fall protection equipment. Fall protection systems criteria and practices are covered in 29 CFR 1926.502.

## **PROOF OF TRAINING**

Proof of Training will be provided and include the following:

- Name of the trainee(s)
- Name of the entity providing training
- Name of the trainer(s)
- Clear identification of the make and model of the unit

## **INFORMATION PROVIDED AT COMPLETION**

Copies of complete two (2) operation and maintenance manuals covering the completed aerial device

Completed and certified actual vehicle weights

Copy of the completed "Di-electric Test", if applicable

Copy of the completed "Stability Test"

## **WIRING DIAGRAMS**

A wiring diagram showing the manufacturer's complete electrical system, circuit breaker panel layouts, and individual schematics for each separate circuit, shall be submitted at the time of delivery. The diagrams shall include the circuit breaker panel layouts, primary electrical system, and individual schematics for each separate circuit.

## **WARRANTY**

One (1) Year Versa-Lift Aerial Device

One (1) Year General Warranty from RBG

Chassis Warranty, attached per the manufacturer

All other Manufacturer's prevail

## **SERVICE**

*"No need take it away from home"*

Service and Warranty work for the proposed vehicle will take place at a designated customer's location-whether in the field or at the customer's office. In the event warranty service cannot be completed at the customer's, RBG will transport the unit to New Hampshire.

We currently employ seven (7) factory trained Service Technicians as well as two (2) Road Service technicians. All road personnel are equipped with service trucks, cellular phones, as well as they adequately loaded with parts and components to compete the majority of repairs within the field the first time.

All work to be performed by certified technician's not untrained sub-contractors.

Additionally, we also provide 24 hour Emergency Service.

We currently maintain an 11,000 square foot upfit, service sales center in Raymond, New Hampshire

Prepared For:  
 Town of Scituate  
 Kevin Cafferty  
 600 Chief Justice Cushing Hwy  
 Scituate, MA 02066-3229  
 (781)545 - 8732  
 Reference ID: 4X4 Package

Presented By:  
 TAYLOR & LLOYD INC  
 EDWARD D NOLAN  
 8 RAILROAD AVE  
 BEDFORD MA 01730 -  
 (781)275-9290

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile  
 2021 HV507 SFA (HV507)

<b>AXLE CONFIG:</b>	4X4
<b>APPLICATION:</b>	Utility/Service (Other)
<b>MISSION:</b>	Requested GVWR: 54000. Calc. GVWR: 37000 Calc. Start / Grade Ability: 21.38% / 1.42% @ 55 MPH Calc. Geared Speed: 68.6 MPH
<b>DIMENSION:</b>	Wheelbase: 183.00, CA: 108.00, Axle to Frame: 100.00
<b>ENGINE, DIESEL:</b>	{Cummins L9 300} EPA 2017, 300HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT DRIVING:</b>	{Meritor MX-14-120 EVO} Single Reduction, 14,000-lb Capacity, with Hub Piloted Wheel Mounting
<b>AXLE, REAR, SINGLE:</b>	{Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends Gear Ratio: 6.14
<b>CAB:</b>	Conventional, Day Cab
<b>TIRE, FRONT:</b>	(3) 12R22.5 Load Range H G751 MSA (GOODYEAR), 483 rev/mile, 68 MPH, All-Position
<b>TIRE, REAR:</b>	(4) 12R22.5 Load Range H G622 RSD (GOODYEAR), 482 rev/mile, 75 MPH, Drive
<b>SUSPENSION, REAR, SINGLE:</b>	31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
<b>PAINT:</b>	Cab schematic 100WK Location 1: 6C00, Blue Md Metallic (Prem) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HV50700	Base Chassis, Model HV507 SFA with 183.00 Wheelbase, 108.00 CA, and 100.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1ANB	AXLE CONFIGURATION {Navistar} 4x4
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LEH	LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty
1SAL	CROSSMEMBER, REAR, AF (1)
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WGG	WHEELBASE RANGE 181" (460cm) Through and Including 205" (520cm)
1WRN	BRACKET, CAB MOUNT Heavy Duty
2GAE	AXLE, FRONT DRIVING {Meritor MX-14-120 EVO} Single Reduction, 14,000-lb Capacity, with Hub Piloted Wheel Mounting
	<u>Notes</u> : Axle Lead Time is 90 Days
2WLC	AXLE, FRONT DRIVING, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints
3ADD	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 14,000-lb Capacity, with Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EBD	AIR DRYER {Wabco System Saver 1200} with Heater
4ETD	BRAKE CHAMBERS, FRONT AXLE {MGM} 20 SqIn
4EVH	BRAKE CHAMBERS, REAR AXLE {MGM TR3030LP3TSHD} 30/30 SqIn Spring Brake
4LAA	SLACK ADJUSTERS, FRONT {Haldex} Automatic
4LGA	SLACK ADJUSTERS, REAR {Haldex} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VGG	AIR DRYER LOCATION Mounted Inside Left Rail, Behind Transfer Case Mounting
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes

<u>Code</u>	<u>Description</u>
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4WZJ	AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail
4XDP	BRAKES, FRONT {Meritor 16.5X5 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 5", 14,600-lb Capacity
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle
5708	STEERING COLUMN Titing
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PSL	STEERING GEAR {Sheppard M110} Power
6DHK	DRIVELINE SYSTEM {Dana Spicer} SPL170 Main Driveline, 1710 Driveline to Transfer Case, SPL140 Driveline to Front Axle, for 4x4
7BEV	AFTERTREATMENT COVER Steel, Black
7BLD	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab, for All-Wheel Drive
7WAZ	TAIL PIPE (1) Turnback Type
7WCR	EXHAUST HEIGHT 10' 11"
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER includes Ash Cup
8541	HORN, ELECTRIC (2) Disc Style
8GXD	ALTERNATOR {Leece-Neville AV160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn
8HAH	ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket
8HXT	HORN, AIR (2) Single Tone, Chrome, Roof Mounted, with Lanyard Pull Cord
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors

<u>Code</u>	<u>Description</u>
8RPB	RADIO, AUXILIARY CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8THB	BACK-UP ALARM Electric, 102 dBA
8TKK	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch
8TMH	SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, with Maximum of 20 amp Load with Switches In Instrument Panel
8VZK	TURN SIGNALS, FRONT Dual Face, LED, Amber/Red, Mounted on Top of Fender, Used with Standard Flush Mounted Front Turn Signal, Side Marker Lamps, Parking Lights and Reflectors
8WBW	JUMP START STUD Remote Mounted
8WGL	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
8WNH	RUNNING LIGHT (2) Daytime
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
8WTL	STARTING MOTOR {Delco Remy 39MT} 12 Volt, Gear Reduced, with Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXD	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XDU	BATTERY BOX Steel, with Aluminum Cover, 14" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab
8XHR	POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) & USB Port, Located in the Instrument Panel
9585	FENDER EXTENSIONS Rubber
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9ANG	HOOD, HATCH (01) for Servicing
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
9WBT	GRILLE EMBER SCREEN Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System
10021	CHASSIS COATING Corrosion Resistant E-Coat Primer Coating for Single Frame Rails
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100

includes

: PAINT SCHEMATIC ID LETTERS "WK"

<u>Code</u>	<u>Description</u>
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10769	PAINT CLASS Premium Color
10BAE	LABEL, DEF "DEF ONLY"
10SLV	PROMOTIONAL PACKAGE Government Silver Package
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines  <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12EHU	ENGINE, DIESEL {Cummins L9 300} EPA 2017, 300HP @ 2000 RPM, 860 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed  <u>Includes</u> : FAN Nylon
12UWY	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1187 SqIn Charge Air Cooler  <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VBG	AIR CLEANER Dual Element, with Integral Pre-Cleaner
12VHJ	FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2020
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VYP	ENGINE CONTROL, REMOTE MOUNTED No Provision for Remote Mounted Engine Control
12WZJ	EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; includes "Certified Clean Idle" Decal located on Driver Door
13AVR	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13TKK	TRANSFER CASE {Meritor MTC-4210} 2-Speed, 10,000 lb-ft Torque Rating, Less PTO Provision, Electric Over Air Control, with Lube Pump
13WAW	OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type
13WDB	TRANSFER CASE LUBE {EmGard 50W} Synthetic; 1 thru 14.99 Pints
13WDV	OIL COOLER, TRANSFER CASE Remote Mounted Back of Cab
13WDZ	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, S1 Performance in Primary and Fixed Programming in Secondary
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints



<u>Code</u>	<u>Description</u>
13WJC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
13WVW	NEUTRAL AT STOP OMIT
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
14ARB	AXLE, REAR, SINGLE (Meritor RS-23-160) Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends . Gear Ratio: 6.14
14VAJ	SUSPENSION, REAR, SINGLE 31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
15LMR	FUEL/WATER SEPARATOR (Racor 400 Series,) with Primer Pump, Includes Water-in-Fuel Sensor
15LPE	LOCATION FUEL/WATER SEPARATOR Mounted Inboard of 5 Gallon DEF Tank, Under Cab
15SXJ	FUEL TANK Top Draw, Non-Polished Aluminum, 24" Dia, 50 US Gal (189L), Mounted Left Side, Under Cab
15WCN	DEF TANK 5 US Gal (19L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GDC	GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display
16GHU	GRAB HANDLE, CAB INTERIOR (2) Safety Yellow
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HGL	GAUGE, OIL TEMP, REAR AXLE
16HHE	GAUGE, AIR CLEANER RESTRICTION (Filter-Minder) with Black Bezel, Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER (National 2000) Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16LUM	SEAT, PASSENGER (National) Non Suspension, High Back with Integral Headrest, Vinyl, with Fixed Back, with Under Seat Storage
16SEE	GRAB HANDLE, EXTERIOR Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left Side at B-Pillar
16SNS	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16SNW	MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10.5"
16VBS	CONSOLE, CENTER Polypropylene, with One Coin Holder, One Cup Holder and One Thermos Holder, with Laptop PC or Clipboard Storage, Includes small Storage Area
16VBZ	SEAT BELT All Red; 1 to 3
16VKB	CAB INTERIOR TRIM Classic, for Day Cab

includes

<u>Code</u>	<u>Description</u>
	: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger
	: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted
	: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16WEE	CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, includes Express Down Feature
16WSK	CAB REAR SUSPENSION Air Bag Type
16XCX	COVER PLATE Blank Steel Cover Plate in Place of Storage Bin for Customer Mounting Requirements
16XCW	CAB, INTERIOR TRIM, CLOSEOUT Under IP, Driver Side
16XJN	INSTRUMENT PANEL Flat Panel
16XWD	SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color, with Integral Clearance/Marker Lights
16XXC	COWL TRAY LID
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
26DUL	WHEEL, SPARE, DISC {Accuride 29300} 22.5x9.00 Rims, Powder Coat Steel, 10-Stud, 285.75mm BC, Hub-Piloted
27DPN	WHEELS, FRONT {Accuride 29039} DISC; 22.5x9.00 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Non-Standard Offset, with .5" Thick Disc
28DUL	WHEELS, REAR {Accuride 29300} DUAL DISC: 22.5x9.00 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
29007	TIRE, SPARE Equal to Model Standard
60AAG	BDY INTG, REMOTE POWER MODULE Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total; Includes 1 Switch Pack with Latched Switches
60ABE	BDY INTG, PTO ACCOMMODATION for Electric over Hydraulic PTO, Does Not Include Solenoids, with Latched Switch Mounted on Dash includes Audible Alarm and Indicator Light in Gauge Cluster (Requires 1 Remote Power Module input & 1 output)
60AJD	BDY INTG, INDICATOR LIGHTS (2) 1 for Boom Out of Stow, 1 for Outriggers Deployed, Includes Audible Alarm and Interlock to Parking Brake, Programmable Mode for Various Switch Actions (requires 2 Remote Power Module inputs)
7382158102	(4) TIRE, REAR 12R22.5 Load Range H G622 RSD (GOODYEAR), 482 rev/mile, 75 MPH, Drive
7382158123	(3) TIRE, FRONT 12R22.5 Load Range H G751 MSA (GOODYEAR), 483 rev/mile, 68 MPH, All-Position

**Services Section:**

40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A
40RAV	SERVICES, TOWING {Navistar} Service Call to 24-Month/Unlimited Mileage to the Nearest Navistar Dealer for Navistar Warrantable Failure as Contract Defined; Includes Engine Failure if Supplier Declines Tow Coverage & ESC Supplied thru Navistar; \$1100 (USA) Maximum Benefit per Incident
40TVU	SRV CONTRACT, EXT ALLISON XMSN {Allison} To 60-Month/Unlimited Miles/km, for Allison 3000 RDS with Utility or Other Vocations (ST08, ST17-ST22, TT01, TT02, TT05, AG04, SP01, SP03-SP05)
40TWP	SRV CONTRACT, EXT CMS ENG/AFTR {Cummins} To 72-Month/150,000 Miles (240,000 km), Extended Cummins L9 Engine Coverage, Protection Plan 1 and Aftertreatment

<u>Code</u>	<u>Description</u>
1	RBG
2	Stainless Steel Oil Pan

**INTERNATIONAL TRUCK  
GREATER BOSTON POLICE COUNCIL  
2020 COOPERATIVE PROCUREMENT CONTRACT  
# GBPC 2014-INTERNATIONAL**

201 2021 HV SFA Cab & Chassis with Cummins Engine 35,000 lb. GVWR \$82,796.00

**OPTIONAL EQUIPMENT:**

ITEM #	DESCRIPTION	COST
211	Cummins L9 – 300 HP Upgrade	\$8,748.00
233	Stainless Steel Oil Pan	\$1,624.00
248	14,000 LB Capacity Driving Front Axle w/ 12R22.5 Tires	\$31,181.00
264	31,000 LB rear Suspension ilo 23,500 LB Suspension	\$273.00
270	Power Windows and Door Locks	\$373.00
271	Air Conditioning	Included
280	Spare Tire and Wheel	\$939.00
290	Trailer Brake Connections-Electric	\$368.00
291	Programable Body Circuit Switches "6 Pack"	\$802.00
293	Remote Start/Stop Diamond Logic Programing	\$571.00
294	PTO Control for use without "Six Pack"	\$150.00
310	Hood Mounted Convex Mirrors	\$193.00
312	Corrosion Resistant E-Coat Primer Coating For Single Rail	\$508.00
337	Belt Driven Hydraulic System	\$6,090.00
377	Aerial Lift 70' Device with Utility Service Body	\$110,703.00
392	Remote Engine Start/Stop- Requires 6/12 Pack	\$558.00
517	Heavy Duty Plow Frame Tilting with Lights	\$7,105.00
529	Everest Heavy Duty 11' Power Reversing Trip Edge Plow	\$10,150.00
551	Power Reverses Hydraulics with Controls	\$1,100.00
708	Small Roof Mounted LED Light Bar	\$1,421.00
716	Engine and Engine Electronics Including Injectors L9 5 YR	\$2,436.00
723	Allison "Extended Transmission Coverage" 5 Years	\$475.00

**TOTAL PRICE \$268,564.00**

**Options Not on Contract:**

Emergency Power \$2,100.00

Forestry Body Provided and Serviced By:

RBG, Inc  
Raymond Bucket Guys  
317 Route 27  
Raymond, NH 03077  
401-573-8756 Office  
603-895-3803 Corporate

SERVICING INTERNATIONAL DEALER

TAYLOR & LLOYD, INC.  
8 Railroad Ave.  
Bedford, MA 01730  
781-275-9290

\_\_\_\_\_ by Edward D. Nolan

October 3, 2020  
Date

MUNICIPALITY:

Scituate Public Works  
68 Captain Pierce Road  
Scituate, Ma 02066

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

These Contract prices are valid for orders placed before October 31, 2020.

**Note: After October 31, 2020 Please add 5% for Budgetary Purposes .**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022-429-04		
Project Title:	Field Repair/Construction		
Category:	Constructions		
Department:	Grounds	Contact:	Mike Breen/Kevin Caffarty

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:**

*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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$58,000		\$58,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$58,000</b>	<b>\$0</b>	<b>\$58,000</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 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>\$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	
<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**

**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 [ ]

                  Multyear [ ]    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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$33,000			\$33,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$33,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,000</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>\$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

Authorization: \_\_\_\_\_                      Subtotal:                      32270.00  
Quote Total:                      32270.00





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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 <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$30,000				\$30,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input 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>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>

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

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

# CemSites

Affordable Technology for Cemeteries

Proposal

*does not include  
data migration*

*ETran*



# Why choose us?

We are a fresh, forward-thinking company established in 2012 near Pittsburgh, Pennsylvania. We invested years perfecting our cemetery-focused customer relationship management software and its framework. Our team initially released trial versions to numerous cemeteries and analyzed their needs so that our software has all of the core functionality and adaptability needed for cemeteries of various sizes.

Our mission is to bring the time and money-saving benefits of modern technology to every cemetery organization within a reasonable budget. Our philosophy embraces the values of heritage and perpetual care – the same values that every community should expect from their local cemetery.

Our company structure allows us to be flexible enough to quickly implement new technology without being hindered by red tape. With our innovative Secure CRM and software add-ons, cemetery staff can visualize and organize records like never before.



## **CUSTOMIZABLE PRODUCTS**

FlexCore Framework, the platform that we use to build CemSites products, allows us to rapidly deploy custom database applications. Our team invested years in perfecting this tool to provide you with a completely customizable system which uses your cemetery hierarchy and processes to do business without including unwanted features. Even though our products are tailored to fit your needs, FlexCore Framework keeps them up-to-date with the latest discoveries and implements advances globally.



## **SECURITY**

All data in Secure CRM on FlexCore Framework is stored on servers that are protected by armed guards 24/7/365. CemSites software is both PCI and HIPAA compliant and is protected by the same security standards used by world governments and financial institutions. Data is stored in multiple locations, backed up daily and retrievable for up to 30 days; it is even downloadable if you would like to retain it yourself.



## **WEB-BASED TECHNOLOGY**

A web-based system from CemSites offers many advantages over box software. CemSites software is not device-dependent; it can be accessed from any device at any location. There is no need to worry about changes in computer operating systems making our software incompatible or about computer failures ruining your data.



## **TRAINING AND SUPPORT**

We personally train your team to use our software and assign an account manager that you may call for technical assistance. We promise to get back to your questions within 24 hours.



## SECURE CRM

Cemetery Record Management Software

Secure CRM is all you need to start managing your cemetery with CemSites, but be sure to check out our add-ons for even more features.

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

### HOW IT PAYS OFF

Secure CRM was given its name for a reason: All data stored in Secure CRM on FlexCore Framework is protected by the same security standards used by world governments and financial institutions. Because Secure CRM is web-based and always up-to-date, having outdated software will no longer be a concern. As opposed to the months or years of setup for most software on the market today, CemSites software can be up and running within weeks with the promise and commitment of our staff.

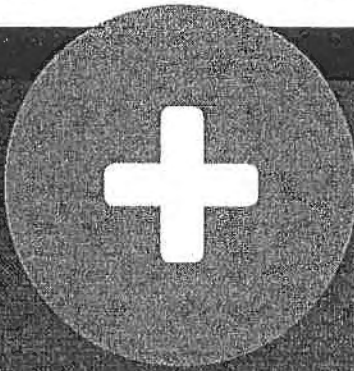
### FEATURES

- User-based dashboard with critical support metric oversight
- Grave and owner management
- Work order management
- Funeral home management
- Document management
- Field highlighting
- Data migration
- Disaster prevention
- Permission-based roles
- Offline and private network installs
- Quick implementation



"I would highly recommend CemSites; they've been able to increase our revenues and have made my job much easier."

- CINDY FISHER  
Office Manager,  
Round Hill Cemetery



## ADD-ONS

Modules to complement Secure CRM

Add-ons provide you with the ability to pick the tools you want, so you are only paying for what you'll use.

## Stay organized and informed



### AR FINANCE MODULE

The AR Finance Module provides an efficient and reliable way to streamline your cemetery's entire receivables process and export data to other software. With extensive financial information at your fingertips, your cemetery can make more accurate business decisions.



### INVENTORY MANAGER

Keep track of monuments, benches, and other sellable items right in Secure CRM – no double data entry necessary! This add-on works seamlessly with our other add-ons to provide an integrated and automated sales system built to fit cemeteries' operations.



### DOC PRINTING MODULE

The Doc Printing Module saves time by automating the document workflow. Eliminate the need for handwriting and never deal with double entry by printing autopopulated templates for deed transfers, interments and obituaries.



### MULTI-LOCATION MODULE

This tool provides an oversight view of all cemeteries at once for administrators that handle multiple locations. With the data gleaned from the Multi-Location Module, decision makers can make well-informed choices, and cemetery staff can be coached appropriately so that all cemetery locations can work together in the most efficient way possible.



### CUSTOM SOLUTIONS

Don't see the module you need? Ask and we will build it for you. Thanks to our advanced FlexCore Framework, we can create custom management software solutions to fit all cemetery-related organizations, such as combination cemeteries with funeral homes or pet cemeteries.

## Reach out and build profit



### WEBSITE INTEGRATION

Showcase your cemetery online with autopopulated data from Secure CRM. Sell products and services, publish records, announce arrangements and more. Our team can create a website from scratch or integrate with an existing site.



### 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.



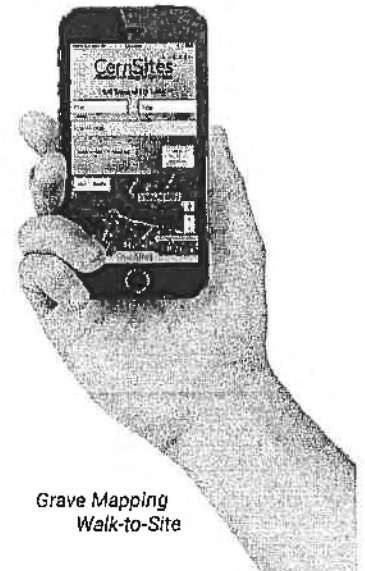
### OBSTRUCTION MANAGER

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.*

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<b>Website Hosting</b>	1	\$480.00
<i>Annual License.</i>		

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<b>Secure CRM License</b>	1	\$900.00
<i>Annual License.</i>		

TOTAL		\$9,080.00
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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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/Kevln 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:

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	
<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>\$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	
<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					



# Milton



**Massachusetts & RI Locations:**

100 Quarry Dr.  
Milford, Ma. 01757

84 Concord St.  
N. Reading, Ma. 01864

14 Kendrick Rd., Rte 28  
Wareham, Ma. 02571

2158 Plainfield Pike  
Cranston, RI. 02920

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

## Budget Quotation

DATE: October 23, 2017

**Town of Scituate DPW**  
600 Chief Justice Cushing Hwy  
Scituate, Ma. 02066  
**Kevin Cafferty**

**State Contract:** FAC88

Qty	Description	List Price	State Contract Price
1	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**

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.18

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

Project Number:	2024-429-03		
Project Title:	Truck 2-0, Pick Up Truck		
Category:	Equipment		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

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

**Description:**

Replace the 1999 Chevy Pick Up Truck with a new Medium Duty Truck.  
 The expected useful life of a Medium Duty Truck varies depending on the activities that the machine is used for. The average lifespan for an average medium duty truck is 5 to 8 years according to the MN State DOT recommended guidelines. The current truck has been in service for 20 years. The truck has over 200,000 miles and has rust on the frame and body.

All of the tasks this truck is used for are under harsh conditions in either storm work where there is influence of salt water or loaded with salt in general for the sanding operations. This truck is used also to support the grounds department in hauling mowers and do tree clearing work.

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

The existing 2-0 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.

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

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$50,000 to the 2019 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2018	FY2019	FY2020	FY2021	FY2022	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$50,000		\$50,000				<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</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	\$50,000	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing	

**Operating Budget Impact**

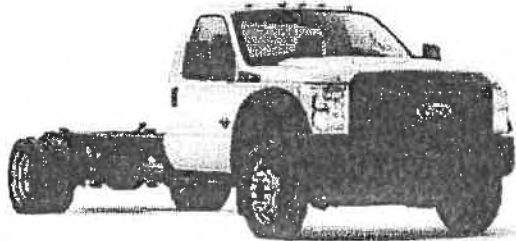
Buring Project	\$0
Post-Project Annual	
Post-Project One-time	\$0

Trucks (2-6) (2-3)

# Plymouth County Commissioners Cooperative Procurement Specifications

CAB & CHASSIS

## 18,000 GVW 4X2 STANDARD SIZE CAB AND CHASSIS



**Manufacturer:** FORD MOTOR COMPANY

**Model Year:** 2015 OR CURRENT

**Model Name:** F550 SUPER DUTY CHASSIS

**Specification:** 15-23

**Contract Price:** \$31,500.00

*with options  
2<sup>nd</sup> \$ 50,000  
2<sup>3</sup> 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>					
	Four Wheel Drive	\$3,995.00	68U	19,000 Lb. GVWR Payload Upgrade, 60" CA Gas only	\$418.00
	SuperCab	\$2,578.00	68M	19,500 Lb. GVWR Payload Upgrade, All but 60" CA Gas	\$1,097.00
	CrewCab	\$3,501.00	98G	CNG/LPG GASEOUS FUEL PREP PACKAGE	\$299.00
	84" CA, Any Cab Style	\$166.00	41P	SKID PLATES	\$95.00
	108" CA, Regular Cab Only	\$333.00	51Z	SPARE TIRE WHEEL & JACK	\$333.00
	120" CA, Regular Cab Only	\$499.00	21B	ELECTRONIC SHFT ON THE FLY FOUR WHEEL DRIVE	\$176.00
99T	6.7 LITER POWER STROKE DIESEL ENGINE	\$7,724.00	41H	ENGINE BLOCK HEATER	\$71.00
<b>Various</b>					
	LIMITED SLIP REAR AXLE	\$342.00	62R	TRANSMISSION PTO PROVISION	\$266.00
TBH	225/70RX19.5 BSW Traction Tires, Rear only	\$181.00	63T	ENGINE IDLE SHUT DOWN (DIESEL ONLY)	\$238.00
TGB	225/70RX19.5 BSW Traction Tires, Front & Rear	\$204.00	98R	OPERATOR COMANDED REGENERATION (DIESEL ONLY)	\$333.00
96V	XL VALUE PACKAGE	\$568.00	67A	DUAL ALTERNATORS, 357 AMP	\$361.00
96P	XL APPEARANCE PACKAGE	\$846.00	65M	28 Gallon Mid Shlp Fuel Tank	\$119.00
17F	XL DÉCOR GROUP	\$147.00	65C	Dual Fuel Tanks, 28 gallon mid ship & 40 Gallon rear	\$698.00
90L	POWER EQUIPMENT GROUP: POWER DOOR LOCKS, WINDOWS AND POWER HEATED MIRRORS: RC & 5C	\$850.00	531	Trailer Tow Package	\$147.00
90L	POWER EQUIPMENT GROUP: POWER DOOR LOCKS, WINDOWS AND POWER HEATED MIRRORS: CC	\$1,050.00	535	High Capacity Trailer Tow Package	\$333.00
603A	XLT TRIM LEVEL, RC & 5C	\$3,492.00	52B	TRAILER BRAKE CONTROLLER	\$257.00
603A	XLT TRIM LEVEL, CC	\$3,857.00	54F	POWERSCOPE POWER TELESCOPING, POWER FOLD-AWAY TRAILER TOW MIRRORS WITH POWER HEATED GLASS	\$157.00
96I	XLT INTERIOR PACKAGE	\$755.00	86S	Low Deflection Suspension Package	\$119.00
RR	Ruby Red Metallic Tinted Clearcoat Paint	NC	18B	Black Molded running Boards, Regular & Super Cab	\$304.00
SP101	Factory Special Paint, Permanent Fleet Colors	\$549.00	18B	Black Molded Running Boards, Crew Cab	\$352.00
473	SNOW PLOW PREP PKG	\$81.00	76S	REMOTE START SYSTEM	\$185.00
67H	Heavy Duty Service FRONT SUSPENSION	\$119.00	59H	Center High Mounted Stop Lamp	NC
67X	Extra Heavy Service Front Suspension	\$119.00	433	MANUAL SLIDING REAR WINDOW	\$119.00
			435	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**

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

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

2025-429-01

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

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

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					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000		\$65,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$65,000	\$0	\$65,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						CPA Purpose(s) Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$65,000	\$0	\$65,000	\$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

# CENTRAL



Shipping 10.10.16 - schedule

June 21, 2016

Mr. Kevin Cafferty  
Town of Scituate Department of Public Works  
Highway Department  
68 Captain Pierce Road  
Scituate, MA 02066

Mr. Cafferty,

Attached please find a quote specification page for a 2017 Dodge Ram 5500 Regular Cab Chassis 4X4 with a 6.7 Diesel Automatic Transmission in True Blue which is based on a factory order. Order to dealer delivery should be approximately 120 Days.

Plymouth County Bid Price: \$46,228.00  
JC Madigan 9 Foot Dump \$ 7,695.00 - Also see options listed for Dump Body - add as desired.

BID PRICE \$53,923.00  
Plus Reg Sticker & Delivery \$ 369.00 if desired.

\$54,292 Truck  
6,500 Plow

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

60,792

x 1.05 Price Escalation

\$63,831

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: 2018-08-23 9:46 AM VIN:  
 Estimated Ship Date: VON:

Quantity: 1  
 Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY  
 SHERIFF'S DEPT  
 FAN 2:  
 Client Codes  
 Bid Number: TB7088  
 PO Number:

Sold to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF  
 RAYHAM (44788)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYHAM (44788)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Vehicle: 2017 5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 60 In) (DP0L63)

	Sales Code	Description	MSRP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 60 In)	40,795
Package:	29A	Customer Preferred Package 29A	0
	ETK	6.7L I6 Cummins Turbo Diesel Engine	7,400
	DF2	6-Spd Auto Aisin AS89RC, HD Trans	1,600
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	Upfitter Electronic Module (VSM)	248
	LBN	Power Take Off Prep	296
	AMP	Chrome Appearance Group	155
	4DH	Prepaid Holdback	0
	LNJ	Fog Lamps	140
	4ES	Delivery Allowance Credit	0
	ADE	Cold Weather Group	125
	MAF	Fleet Purchase Incentive	0
	AJH	Power and Remote Entry Group	850
	MRT	Chrome Tubular Side Steps	350
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	MJB	Chrome Bodyside Molding	100
	ACL	DOT Certified Roadside Safety Kit	150
	TBB	Full Size Spare Tire	350
	AHD	Heavy Duty Snow Plow Prep Group	250
	XHC	Traffic Brake Control	295
	6NB	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:	TB7088	Government Incentives	0
Destination Fees:			1,185
<b>Total Price:</b>			<b>64,790</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.

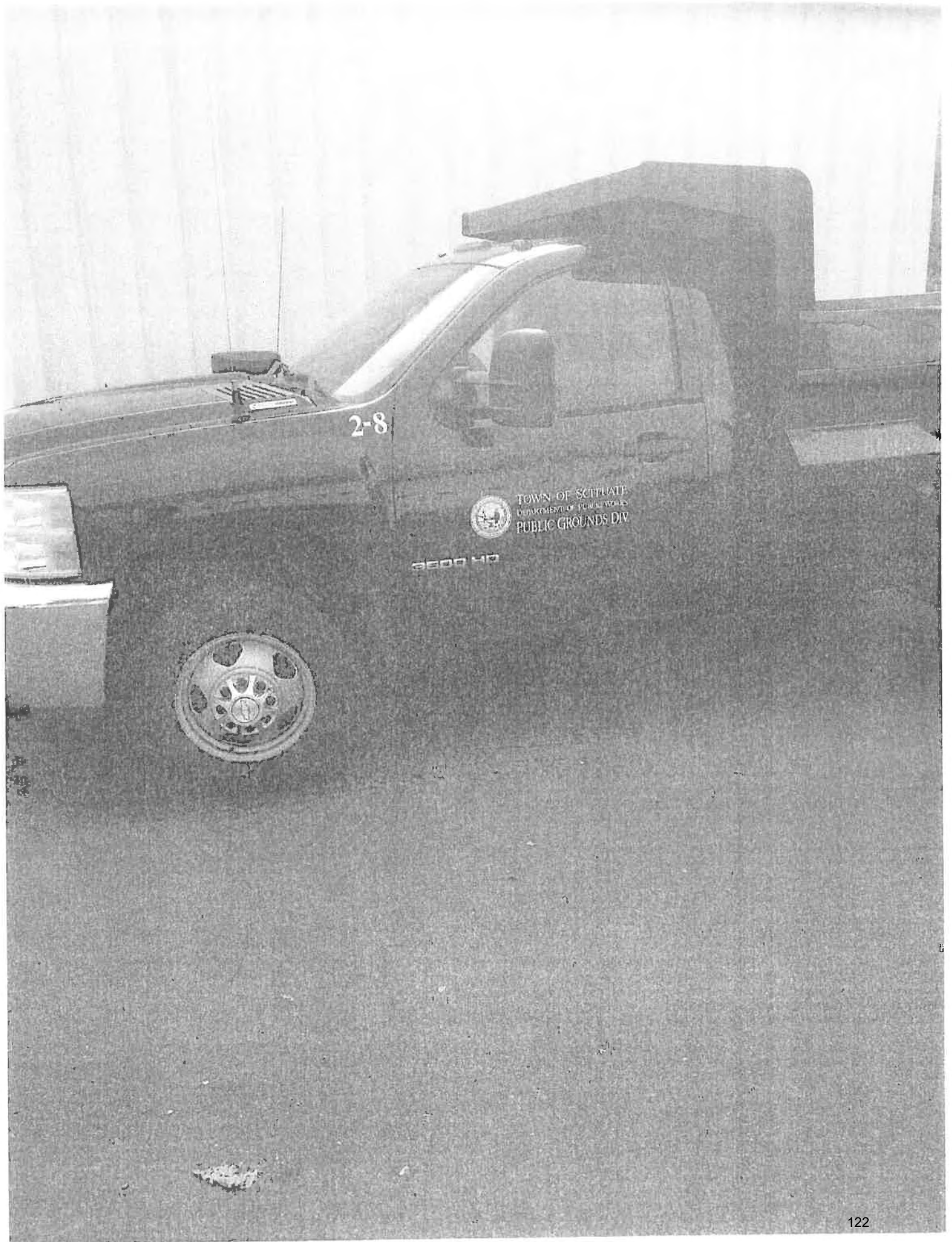
- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

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# \_\_\_\_\_



2-8



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
PUBLIC GROUNDS DIV

6500 4D



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9/20/18

Date of Last Edit:

Project Number:	2025-429-02		
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	<input checked="" type="checkbox"/>	Recurring	<input type="checkbox"/>	Resubmission	<input type="checkbox"/>
	Multiyear	<input type="checkbox"/>	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

		CPA Purpose(s) Check all that apply				
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>

**Operating Budget Impact**

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

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
<b>Sidewalk Construction, Reconsuction, and Resurfacing</b>						<b>Bid Total = \$2,246,503.01</b>
1) Cape Cod Berm	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	1,800	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	3,600	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	18,000	x	0.01	/LF	=	\$ 130.00
11) Handicap Ramp Tactile Strips	76	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 /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**

**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  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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$142,000					\$142,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$142,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$142,000</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>\$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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Add'l 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

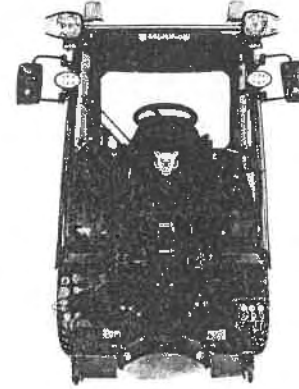


## One Machine - One Driver - Endless Applications



CX 55 SPECIFICATION

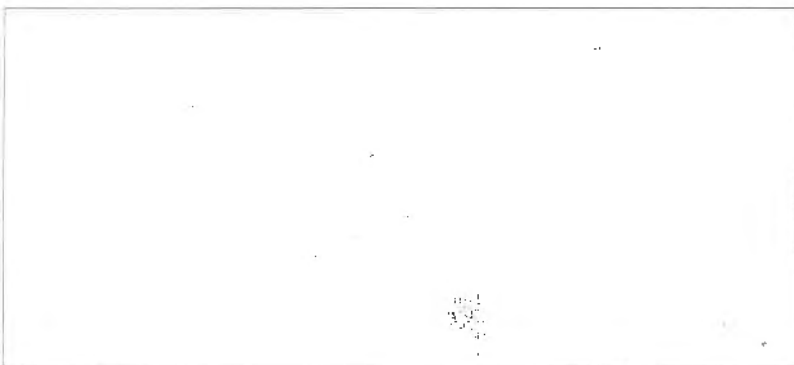
- ◆ Engine: Kohler, 55 hp (1.9 litre)
- ◆ Emissions class: Tier 4 final
- ◆ Length: 3490 mm (137.4 in)
- ◆ Width: 1150 - 1560 mm (45 - 61.5 in)
- ◆ Height: 1980 - 2040 mm (78 - 80 in)
- ◆ Wheelbase: 1710 mm (67 in)
- ◆ Unladen weight: 1950 - 2300 kg (4299 - 5071 lb)
- ◆ Axle capacity, front: 2300 kg (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**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 09-19-19

Project Number:	2025-0425-05	
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 [ ]

                         Multyear [ ]      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				
		2021	2022	2023	2024	2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$40,000					\$40,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</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>\$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

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**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:** 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) Contract: MA Lawn & Grounds Equipment FAC88 (PG 3X CG 22) Price Effective Date: December 17, 2018	\$ 30,953.23 X	1 =	\$ 30,953.23
JOHN DEERE 72 In. 7-Iron PRO Commercial Side Discharge Mower Deck Contract: MA Lawn & Grounds Equipment FAC88 (PG 3X CG 22) Price Effective Date: December 17, 2018	\$ 3,833.83 X	1 =	\$ 3,833.83
PEROZZO 63" Front Mount Flail Contract: Price Effective Date:	\$ 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	
<b>SubTotal</b>	<b>\$ 39,987.06</b>

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

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



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**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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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:**

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

**Selling Price \***  
**\$ 3,833.83**

**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 \*

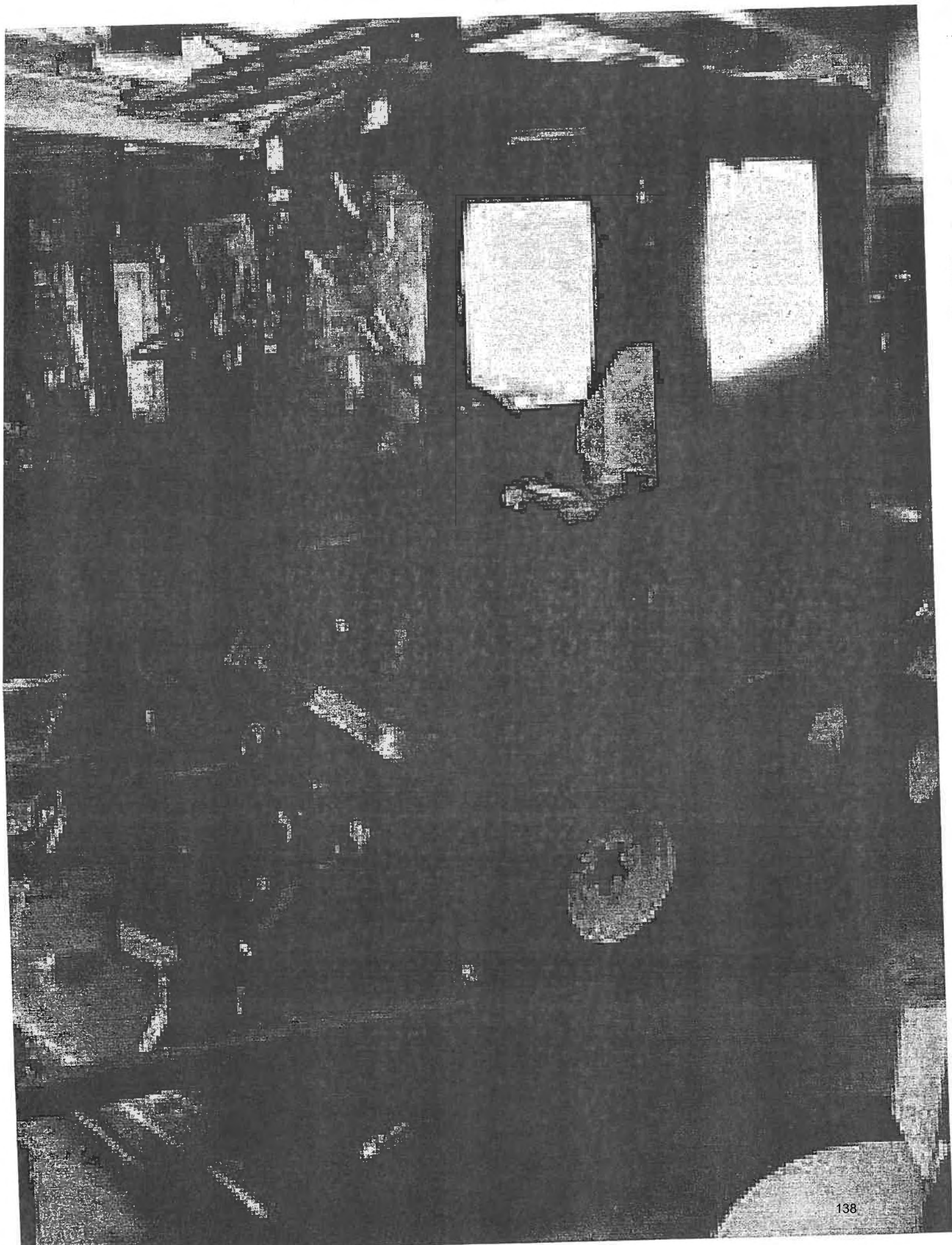
Contract:

\$ 5,200.00

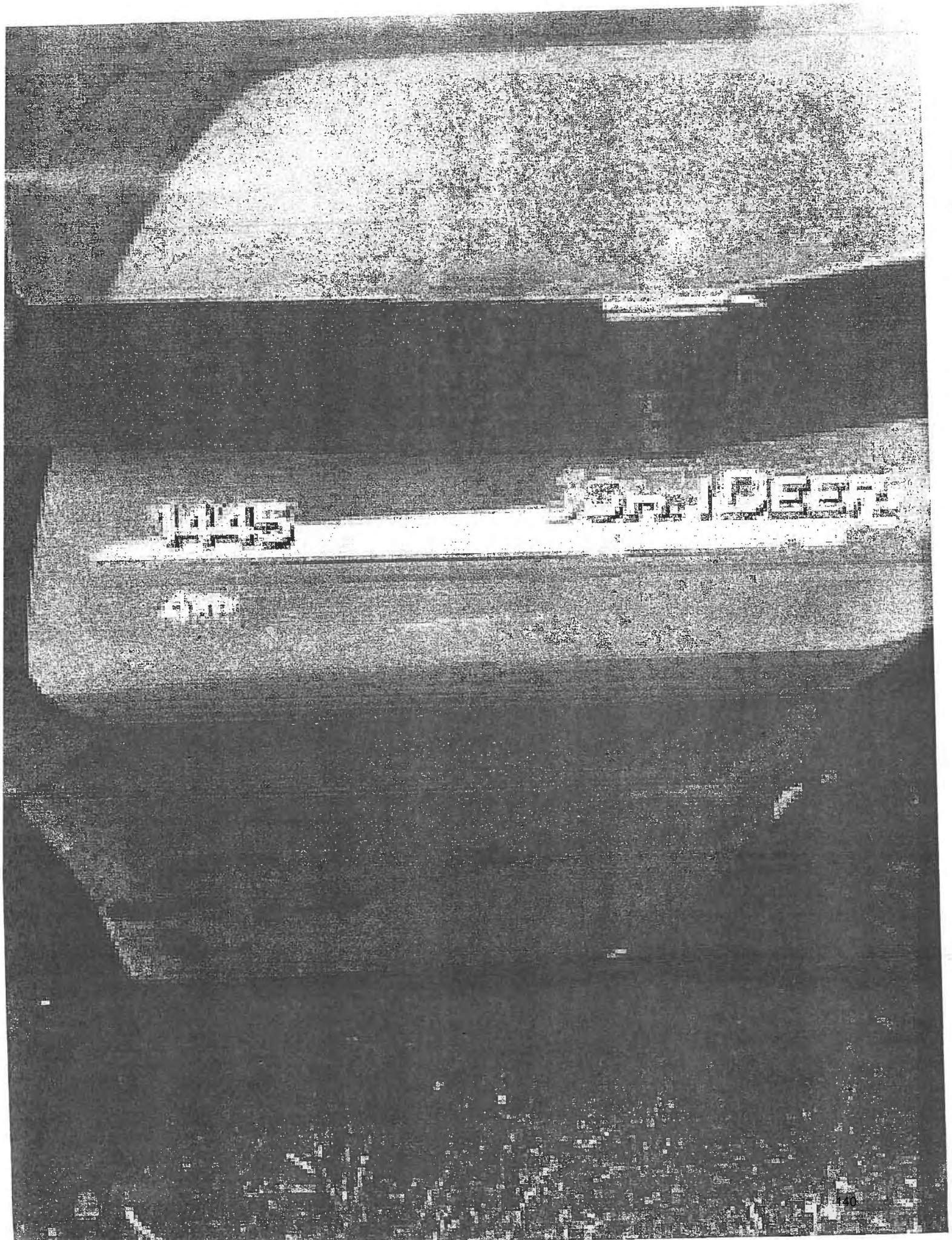
Price Effective Date:

\* 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>







**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
57	Old Gates School Fire Sprinkler Pump*	2022-410-01	Facilities	2022	GF	\$ 80,400	
26	Replace Roof Town Hall & BOH Office	2026-410-01	Facilities	2026	GF	\$ 110,000	
42	Town Hall & BOH Office HVAC Improvements*	2022-410-02	Facilities	2022	GF	\$ 40,000	
18	Facilities Vehicle for Custodian	2022-410-03	Facilities	2022	GF	\$ 32,500	
41	ADA Updates - Town Hall	2022-410-04	Facilities	2022	GF	\$ 210,000	
14	Locker Room/Showers Highway Barn	2022-410-05	Facilities	2022	GF	\$ 60,000	
50	Electrical Distribution - Town Hall	2023-410-01	Facilities	2023	GF	\$ 100,000	
34	Replace HVAC at 68 Capt Peirce (DPW)*	2023-410-03	Facilities	2023	GF	\$ 67,000	
35	Replace Roof Fire Station 1 - First Parish Rd	2025-410-01	Facilities	2025	GF	\$ 75,717	
13	Paint Library Interior	2026-410-02	Facilities	2026	GF	\$ 50,000	
<b>Total</b>						<b>\$ 825,617</b>	





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10.15.20

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

Project Number:	2022-410-01
Project Title:	Old Gates Fire Sprinkler Pump
	Life Safety
Department: Facilities	Contact: Kevin Kelly

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring     Resubmission

                  Multyear     Phase - Final

**Description:**

*Replace fire Sprinkler pump for Building A and B*

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

*The existing pump is not functioning. With limited use of building the assessment was made that street pressure would provide adequate ( to code) pressure to suppress Building A, if needed. With potential occupancy of Building B, we need to pursue establishing the pump and the existing pump is beyond repair.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$78,400	\$78,400					<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$2,000	\$2,000					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$80,400	\$80,400	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$80,400	\$80,400	\$0	\$0	\$0	\$0

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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





# 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	\$20,850.00
Transit Connect	E6E	XL Van SWB - Dual Sliding Doors, No 2nd Row Glass RR Liftgate	\$20,850.00
Transit Connect	E7E	Van XL LWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$21,780.00
Transit Connect	S7E	Van XL LWB - 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	\$22,383.00
Transit Connect	S6F	Van XLT SWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$22,383.00
Transit Connect	S7F	Van XLT LWB - Dual Sliding Doors No 2nd Row or RR Door Glass	\$23,383.00
Transit Connect	E7F	Van XLT LWB - Dual Sliding Doors No 2nd Row Glass RR Liftgate	\$23,383.00

MODEL	CODE	DESCRIPTION	PRICE
Transit Connect	S9E	Wagon XL LWB - Dual Sliding Doors 2nd Row Glass Slides Up/Down 3rd Row Fixed Glass With	\$23,130.00
Transit Connect	E9E	Wagon XL LWB - Dual Sliding Doors 2nd Row Glass Slides Up/Down with RR Liftgate With Fixed	\$23,130.00
Transit Connect	S8F	Wagon XLT SWB - Dual Sliding Doors 2nd Row Glass 1 Shot Slide Up/Down 3rd Row and RR Fixed	\$23,265.00
Transit Connect	E8F	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 LWB - 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	\$22,570.00
Transit	E1Y	Transit 150 Low Roof Sliding Pass 130" WB	\$22,723.00
Transit	E9Z	Transit 150 Low Roof 60/40 Pass 148" WB	\$23,388.00
Transit	E2Y	Transit 150 Low Roof Sliding Pass 148" WB	\$23,550.00
Transit	E1C	Transit 150 Van Med Roof Sliding Pass 130" WB	\$24,915.00

# 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

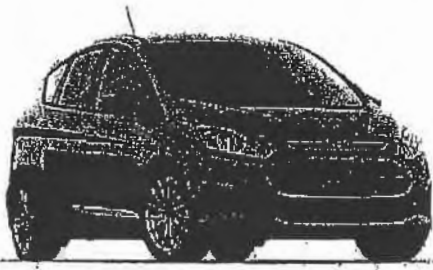


MODEL	CODE	DESCRIPTION	PRICE
Transit	R5Z	T250 Chassis Cab SRW Chassis Cab 138" WB	\$21,929.00
Transit	R7Z	T250 Chassis Cab SRW Chassis Cab 156" WB	\$22,003.00
Transit	R5P	T250 Cutaway SRW Cutaway 138" WB	\$21,329.00
Transit	R7P	T250 Cutaway SRW Cutaway 156" WB	\$21,503.00
Transit	R1Z	Transit 250 low 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
<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
98C	Cargo Management System 1	\$110.00
66F	Remote Start system, SE model	\$375.00
66R	Remote Start system, SEL model	\$375.00
90A	Keyless entry Keypad	\$90.00
76F	Stainless Steel Door Scuff Plates	\$90.00
96D	Charge Port Door Graphic	\$60.00
76A	Charge Cord Bag	\$65.00
76B	Full Vehicle Car cover (C-MAX Logo)	\$360.00
94Z	Daytime Running Lamps	\$42.00
41H	Engine Block Heater	\$32.00
94B	Smokers Package	N/A

Ford Extended Service Plans: Discount from MSRP 20%

Ford Factory Options: Discount from MSRP 5%

CROSSOVERS / SUVs



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2018 - FY2022**

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

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

Project Number:	2022-410-02	
Project Title:	Town Hall new ADA Access	
	Construction	
Department:	Facilities	Contact:

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:	X	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase ___ of ___	

**Description:**

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

**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					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy <input type="checkbox"/> Debt <input type="checkbox"/> Enterprise Retained Earnings <input type="checkbox"/> Capital Stabilization <input type="checkbox"/> Free Cash <input type="checkbox"/> Revolving Fund <input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other
Land Acquisition	\$0						
Construction	\$0						
Equipment/Furnishings	\$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>	

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

**Operating Budget Impact**

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





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10/18/17

Date of Last Edit:

Project Number:	2022-410-01		
Project Title:	Locker room at Highway garage		
Category:	Construction		
Department:	Facilities	Contact:	Kevin Kelly

**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:**

*Install locker and shower facilities at Highway garage.*

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

*The bathroom facilities at the Highway 'barn' are currently inadequate as they do not provide changing a place and shower capabilities. Whereas staff at this location are always working outside regardless of the weather conditions and sometimes extreme conditions call for prolonged hours; a place to shower and change should be provided.*

**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	\$60,000		\$60,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$60,000</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 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>\$60,000</b>	<b>\$0</b>	<b>\$60,000</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					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2018 - FY2022**

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

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

Project Number:	2022-410-04	
Project Title:	Town Hall new ADA Access	
Department:	Facilities	Contact:

**Department Priority**

Urgent/Legally Required

Maintain Service

Enhancement

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

**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					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input type="checkbox"/> Tax Levy <input type="checkbox"/> Debt <input type="checkbox"/> Enterprise Retained Earnings <input type="checkbox"/> Capital Stabilization <input type="checkbox"/> Free Cash <input type="checkbox"/> Revolving Fund <input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other
Land Acquisition	\$0						
Construction	\$0						
Equipment/Furnishings	\$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>	

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>
<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**

**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

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New    [ ]      Recurring [ ]      Resubmission X

                    Multyear [ ]      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				
		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				





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10.15.20

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

Project Number:	2025-410-01
Project Title:	SFD Station One Roof Building Envelope
Department: Facilities	Contact: Kevin Kelly

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

*Replace Roof at 149 First Parish Road Fire Station 1*

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

*Stop leaks and improved insulation*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$73,717				\$73,717	
Equipment/Furnishings	\$0					
Contingency	\$2,000				\$2,000	
Other	\$0					
<b>TOTAL</b>	<b>\$75,717</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,717</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>\$75,717</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,717</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10.15.20

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

Project Number:	2026-410-01
Project Title:	Town Hall and Board of Health Roof replacements
	Building Envelope
Department: Facilities	Contact: Kevin Kelly

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase - Final

**Description:**

*Replace Roofs at two buildings at 600 CIC Highway*

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

*Leak issues and new insulation for Heat savings*

**Discuss Operating Budget Impact:**

*Heat savings*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$106,000					\$106,000
Equipment/Furnishings	\$0					
Contingency	\$4,000					\$4,000
Other	\$0					
<b>TOTAL</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$110,000</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>\$110,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$110,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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





**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
25	Replace 2010 Command Vehicle	2022-220-01	Fire	2022	GF	\$ 63,000	
39	Refurbish 2006 Rescue Pumper	2022-220-02	Fire	2022	GF	\$ 70,000	
59	Replace Zoll monitor	2023-220-01	Fire	2023	GF	\$ 50,000	
19	Replace forest truck/storm vehicle	2023-220-02	Fire	2023	GF	\$ 60,345	
45	Replace Ambulance	2024-220-01	Fire	2024	GF	\$ 376,250	
43	Replace 1995 Rescue Pumper	2025-220-01	Fire	2025	GF	\$ 594,660	
51	Replace Fire Gear (50 sets)	2026-220-01	Fire	2026	GF	\$ 150,000	
25	Replace Dive Truck	2026-220-02	Fire	2026	GF	\$ 60,000	
<b>Total</b>						<b>\$ 1,424,255</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/14/20

Date of Last Edit: 10/14/20

Project Number:	2022-220-01		
Project Title:	Replace 2010 Command response 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:**

The Scituate Fire Department is requesting to replace our 2010 Ford Expedition emergency response command vehicle. This vehicle is operated by our shift commander responding to approximately 75% of all (3500) emergency calls. This is the workhorse of all of our apparatus. This vehicle currently has 111,000 miles, the majority of these are during emergency response which operate at higher speeds, quicker turns, and harder stops than an ordinary vehicle resulting in increased wear and tear. We are looking to replace this vehicle with a Chevrolet 2500 pick up truck with additional storage capacity for the vast amount of equipment required. This vehicle style will provide an improved vehicle response during our recurring coastal storms that often produce significant flooding.

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

Historically the administrative vehicles have been replaced on a 10-12 year rotation. In FY22 this vehicle will be 11 years old with an estimated 120,000 extreme city miles which tends to increase wear and tear compared to ordinary vehicle miles. Older vehicles have the tendency to break down more which could present a public safety challenge during an emergency event. Due to the salt environment we live in the paint is blistering in several areas as well as significant rust on the framework and chassis. This command vehicle has to be fully operational every day. If this vehicle breaks down we don't have a backup that provides the necessary communications and equipment capabilities needed during most of our response calls. If not funded we run the risk of ongoing repair costs as well as delayed emergency response from our shift commander.

**Discuss Operating Budget Impact:**

Vehicles over 10 years old in excess of 120,000 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. Our mechanic has had to provide more frequent repairs to this vehicle and anticipates a major overhaul on the engine if this vehicle remains in service as a front line response vehicle. If this vehicle is replaced it will drastically reduce the repair costs as well as being fully capable to respond to all demands of emergency service. The estimate for the command truck is \$58,489 for the vehicle and associated equipment. The radios, antennas, and licensing will be \$4,400. Total cost estimate is \$62,889, requesting \$63,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$63,000	\$63,000					<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>\$63,000</b>	<b>\$63,000</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>\$63,000</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					



# Estimate

Date: 10/1/2020

Customer ID: Scituate FD

To: Scituate Fire Department  
800 Chief Justice Cushing Hwy  
Scituate, MA 02066  
Attn: Lt Eric Norlin

Budget Estimate

Salesperson: William Lennon  
508 317-5007

Qty	Item #	Description	Unit Price	Line Total
1.00	CK20743	2021 Chevrolet Silverado 2500HD 4WD, Crew Cab, 159"WB- WT	\$ 31,891.00	\$ 31,891.00
1.00	G7C	Red Hot - Color Coding	\$ -	\$ -
1.00	L8T	6.6L V8 Gas Engine	\$ -	\$ -
1.00	MYD	6 Speed Automatic Transmission	\$ -	\$ -
1.00	PYQ	17" Alloy Wheels	\$ 332.50	\$ 332.50
1.00	PCV	WT Convenience Package-Keyless, Cruise, R/Defogger, Htd Mirrors, etc	\$ 926.50	\$ 926.50
1.00	PQA	WT Safety Package - Park Assist, Cross Traffic, 120 volt bed power, etc	\$ 1,035.50	\$ 1,035.50
1.00	JL1	Trailer Brake Controller	\$ 261.25	\$ 261.25
1.00	K4B	Auxiliary 730CC Battery	\$ 128.25	\$ 128.25
1.00	KW5	Alternator 220 Amps	\$ 145.50	\$ 145.50
1.00	CGN	Chevytec Spray in bedliner	\$ 517.75	\$ 517.75
1.00	DWI	Power adjustable mirrors	\$ 684.00	\$ 684.00
1.00	UF2	LED Cargo Bed Lighting	\$ 118.75	\$ 118.75
1.00	KI4	Cab mounted 120 volt outlet	\$ 213.75	\$ 213.75
1.00	A2X	Power Driver Seat with lumbar	\$ 275.50	\$ 275.50
1.00	RVQ	Black Side Steps 6"	\$ 736.25	\$ 736.25
		<b>Upfit Installed</b>		\$ -
1.00	Need Coding	Silverado HD specific Push Bumper and lights	\$ 1,100.00	\$ 1,100.00
1.00	Whelen Upfit	Complete Whelen Core System, Liberty Lightbar Dual Color	\$ 7,450.00	\$ 7,450.00
		Perimeter Dual color LONs, forward, side and rear M4s, vertex		\$ -
		in rears, dual tone sirens and all needed brackets and flanges		\$ -
1.00	Havis	Complete Havis Console Package - Chev Silverado HD	\$ 950.00	\$ 950.00
1.00	Sublet	Leer 180CC Cap package, painted to match, side doors, LED	\$ 3,150.00	\$ 3,150.00
		Interior lights, gas struts, locking hatch glass door		\$ -
1.00	Kussmaul	Kussmaul Auto Eject System - Yellow Face Plate/ Digital	\$ 1,750.00	\$ 1,750.00
1.00	EB-1575	Extend-O-Bed 75" Extension with YUBA Carrier	\$ 5,528.00	\$ 5,528.00
1.00	Shop Supplies	For installations of all HD electrical, lighting and accessories	\$ 875.00	\$ 875.00
1.00	WTFL	Weather Tech Floor Liner set, front D&P sides, full rear	\$ 179.90	\$ 179.90
1.00	Tint	Front Windows to match rears	\$ 150.00	\$ 150.00

1.00	Visors	AVS Dark Smoke Vent Visors installed all 4 doors	\$ 90.00	\$ 90.00
<b>Special Instructions:</b>		Custom or Special Orders are Non-Refundable	<b>Vehicle Subtotal</b>	\$ 37,266.50
		This Estimate is for Budgetary Purposes and is Not a Guarantee of Cost for Services.	<b>Upfit Subtotal</b>	\$ 21,222.90
		Estimate is Based on Current Information From Client About the Project Requirements	<b>Grand Total</b>	\$ 58,489.40

Actual Cost May Change Once Project Elements are Finalized

**Thank You For Choosing The Colonial Way!**





781-447-4571

Fax 781-447-2208

1058 Bedford St. Rt. 18  
Whitman, Ma 02382

Scituate Fire Dept.  
149 First Parish Road  
Scituate, Ma.

Oct. 13, 2020

After inspecting your 2006 E-i pumper, I found a strong need for the repairing / refurbishing. The repairs are needed to allow the apparatus to continue service to the community, and extend the useful life of the truck.....

The repairs needed per our estimate would be approx. \$68,000.00.....The overall intent is to extend the useful life of the truck to the town. Details of repairing and refurbishing with procedures used would be in specifications.....

Thanks,

A handwritten signature in black ink, appearing to read 'M. S. Fowler', written over a horizontal line.

Michael S. Fowler, pres.  
M & R , Inc.  
1058 Bedford St.  
Whotman, Ma.02382  
mikesfowler@live.com



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11-10-16

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

Project Number:	<u>2013-220-41</u>		
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					Funding Source(s) Check all that apply
		FY2018	FY2019	FY2020	FY2021	FY2022	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$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>\$50,000</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>\$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					





**TO: Scituate Fire Department**  
 149 First Parish Road  
 Scituate, MA 02086

**Attn: Chief John Murphy**

email: [jmurphy@scituatema.gov](mailto:jmurphy@scituatema.gov)

**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

**QUOTATION 361760 V:1**

**DATE:** October 27, 2020

**TERMS:** Net 30 Days

**FOB:** Shipping Point

**FREIGHT:** Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
1	601-2231411-01	<p><b>X Series @ Manual Monitor/Defibrillator</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>• 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>• Carry case</li> <li>• Declaration of Conformity</li> <li>• Operator's Manual</li> <li>• Quick Reference Guide</li> </ul> <p>• <b>One (1)-year EMS warranty</b></p> <p><b>Advanced Options:</b>  <b>Real CPR Help Expansion Pack</b>            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></p>	2	\$41,015.00	\$33,632.30	\$67,264.60 *

To the extent that ZOLL and Customer, or Customer's Representative have negotiated and executed overriding terms and conditions ("Overriding T's & C's"), those terms and conditions would apply to quotation. In all other cases, this quote is made subject to ZOLL's Standard Commercial Terms and Conditions ("ZOLL T's & C's") which for capital equipment, accessories and consumables can be found at <http://www.zoll.com/GTC> and for software products can be found at <http://www.zoll.com/SSPTC> and for hosted software products can be found at <http://www.zoll.com/SSHTC>. Except in the case of overriding T's and C's, any Purchase Order ("PO") issued in response to this quotation will be deemed to incorporate ZOLL T's & C's, and any other terms and conditions presented shall have no force or effect except to the extent agreed in writing by ZOLL.

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, SHIPPING & HANDLING WILL BE ADDED AT THE TIME OF INVOICING.
4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL.
5. FORWARD PURCHASE ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT [esales@zoll.com](mailto:esales@zoll.com) OR FAX TO 978-421-0015.
6. 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).



**TO: Scituate Fire Department**  
 149 First Parish Road  
 Scituate, MA 02066

**Attn: Chief John Murphy**

email: [jmurphy@scituatema.gov](mailto:jmurphy@scituatema.gov)

**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#: 04-2711628

**QUOTATION 361760 V:1**

**DATE:** October 27, 2020

**TERMS:** Net 30 Days

**FOB:** Shipping Point

**FREIGHT:** Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
		<b>Masimo Pulse Oximetry</b>  <b>SP02&amp; SpCO</b> • Signal Extraction Technology (SET) • Rainbow SET ( for SpCO & SpMet) <b>NIBP Welch Allyn Includes:</b> • Smartcuff 10 foot Dual Lumen hose • SureBP Reusable Adult Medium Cuff  <b>End Tidal Carbon Dioxide monitoring (ETCO2)</b> <b>Orion Microstream Technology:</b> Order required Microstream tubing sets separately  <b>Interpretative 12- Lead ECG:</b> • 12-Lead one step ECG cable- includes 4- Lead limb lead cable and removable precordial 6- Lead set  <b>Two Temperature monitoring channels with digital displays:</b> Order Temperature probes separately				
2	8000-000371	SpO2/SpCO/SpMet Rainbow DCI Adult Reusable Sensor with connector (3 ft)	2	\$845.00	\$405.94	\$811.88 *
3	8000-001392	Rainbow, RC-4, 4FT, Reusable EMS Patient Cable	2	\$245.00	\$200.90	\$401.80 **

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**TO: Scituate Fire Department**  
 149 First Parish Road  
 Scituate, MA 02066

**Attn: Chief John Murphy**

email: [jmurphy@scituatema.gov](mailto:jmurphy@scituatema.gov)

**ZOLL Medical Corporation**

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 289 Mill Rd  
 Chelmsford, Massachusetts 01824-4105  
 (978) 421-9655 Main  
 (800) 348-9011  
 (978) 421-0015 Customer Support  
 FEDERAL ID#: 04-2711626

**QUOTATION 361760 V:1**

**DATE:** October 27, 2020

**TERMS:** Net 30 Days

**FOB:** Shipping Point

**FREIGHT:** Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
4	8000-0580-01	Six hour rechargeable Smart battery	4	\$519.75	\$405.90	\$1,623.60 *
5	8000-0895	Cuff Kit with Welch Allyn Small Adult, Large Adult and Thigh Cuffs	2	\$157.50	\$129.15	\$258.30 *
6	8000-000393-01	X Series Carry Case, Premium	2	\$695.00	\$569.90	\$1,139.80 **
*Reflects State of MA Contract FIR04 Pricing.						
**Reflects Discount Pricing.						
<b>TOTAL</b>						<b>\$71,499.98</b>

To the extent that ZOLL and Customer, or Customer's Representative have negotiated and executed overriding terms and conditions ("Overriding T's & C's"), those terms and conditions would apply to quotation. In all other cases, this quote is made subject to ZOLL's Standard Commercial Terms and Conditions ("ZOLL T's & C's") which for capital equipment, accessories and consumables can be found at <http://www.zoll.com/GTC> and for software products can be found at <http://www.zoll.com/SSPTC> and for hosted software products can be found at <http://www.zoll.com/SSHTC>. Except in the case of overriding T's and C's, any Purchase Order ("PO") issued in response to this quotation will be deemed to incorporate ZOLL T's & C's, and any other terms and conditions presented shall have no force or effect except to the extent agreed in writing by ZOLL.

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

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11/9/16

Date of Last Edit:

Project Number:	2023-220-02		
Project Title:	Replace 1995 Forest truck and 1985 Squad hazmat vehicle		
Category:	Vehicle replacement		
Department:	Fire Dept.	Contact:	Chief John Murphy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase 1 of 1

**Description:**

*This vehicle purchase will replace the function of two fire department vehicles. It will replace a 1995 Dodge Ram forest truck with 46,375 miles and a Squad pumper that was traded in for our new Ladder truck in December of 2014. The squad was set up as our hazmat response vehicle and we no longer have a hazmat response vehicle. We currently store most of our hazmat equipment at station 1 and will*

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

*The Squad was set up as our hazmat response vehicle and we no longer have initial hazmat response capability. We currently store our hazmat equipment at Station 1 and will pack it on our dive truck for an emergency response. Having this combination vehicle will improve our service with an initial hazmat response vehicle and improve our forest fire response with a more dependable vehicle. This vehicle should support the fire department for 15 to 20 years.*

**Discuss Operating Budget Impact:**

*This new vehicle will reduce the long term maintenance of a forest truck that will be 27 years old in FY23 and a vehicle that has been retired for 7 years.*

**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	\$60,345			\$60,345			<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>\$60,345</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,345</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>\$60,345</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 30, 2013

Schuette Fire  
Attn: Eric Norian

781.831.0512 ph  
fax  
enrdin@schuettefire.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	Code
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	
1.16	Electronic Shift 4WD	\$185.00	
1.26	Factory Cab Steps	\$370.00	
1.17	Power Windows, Mirrors (heated), & Locks	\$895.00	
6.01	96" steel utility body - Omaha Standard Body	\$6,595.00	F1
6.04	2 Stage (Base + Clear) Paint for Service Body	\$1,295.00	F1
12.08	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	
01.03	Whelen LFL Liberty LED Lightbar (14 module) with TDs/Alleys with CanCom Siren/Switch Controller	\$2,085.00	red
06.07	Whelen SA315P Composite Siren Speaker	\$180.00	

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

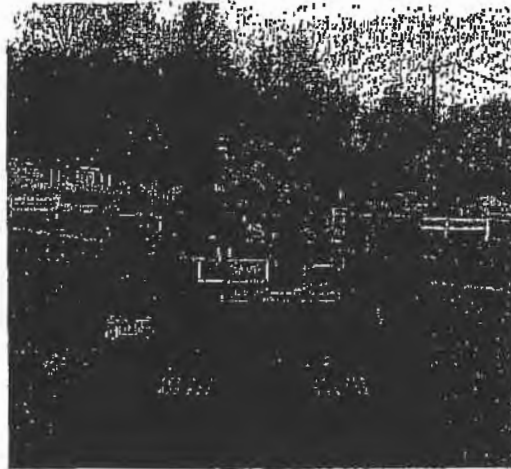
401 Elm Street Marlborough, MA 01752  
Phone: 508-573-2625 Fax: 508-573-2725  
edacoust@mhq.com

Schuette Fire F350 Ext. Cab Service Body 11.30.13 PCC

GSA

CUSTOM EMERGENCY EQUIPMENT • www.rkoenterprises.com

2250 Chilly Drive, Madison, IN 47250 • 812-273-8819, Fax 812-273-5148



*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

02 December 2013

Quote# 13-394

- 200 GALLON COPOLY TANK (WATER ONLY) WITH LIFETIME WARRANTY-FULLY BAFFLED NFPA TANK
- DARLEY 1.5GGE 21H PUMP SYSTEM COUPLED TO 21 HP HONDA ELECTRIC START ENGINE WITH BUILT IN CONTROL PANEL- EASY OIL CHANGE PUMP PERFORMANCE 120GPM@185PSI/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 FHS CHROME ROLLERS ON EACH SIDE, 150 FEET OF GOODYEAR 1" 800 PSI RED BOOSTER HOSE AND (3) HOSE REEL ACTIVATION CARLING SWITCHES
- TWISTER 10 GPM/24 GPM FORESTRY NOZZLE
- GROTE BRIGHTLITE WORKLIGHT
- BASE COAT CLEAR COAT AUTOMOTIVE PAINT ON PIPING AND HOSE REEL - YOUR COLOR CHOICE



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$376,250				\$376,250	
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$376,250</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$376,250</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>\$376,250</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$376,250</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					



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)

## Specialty Vehicles, Inc.

<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>
2020 Dodge RAM 4500 custom built Life Line "Superliner" Type I-AD, Class I Emergency Medical Vehicle.	September 18, 2019
<b>PRICING BREAKDOWN:</b>	
Price of Vehicle:	\$ 350,810.00
Radio Allowance, Includes Installation:	\$ 9,600.00
<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









280 Milton St  
 Dedham MA 02026  
 617-325-3993 Fax # 617-325-0238

# Quote

Date	Quote #
10/15/2020	Q- 0201257

Quote For
Scituate Fire Department Chief Murphy 149 First Parish Road Scituate, Ma 02066

MA State Contract FIR04 VC6000185170

FOB	Terms
manufacturer	Net 30

Item	Description	Qty	Price E...	Total
Scit36QD-I-Blk-...	LTO36QDTB - LTO 36QD Tails Black MASCIT00049 06/12/18 LTOPOS36B LTO Tail Outer Shell -7.2 osy Advance Soft - Black	50	1,469.00	73,450.00
Scit36QDP-BLK-...	LTO36QDPB - LTO 36QD Pants Black MASCIT00050 06/14/18 LTOPOS36B LTO Pant Outer Shell - Advance Soft - Black	50	909.00	45,450.00
807-6003-20	Hellfire Rubber Boots Insulated Felt (Additional \$5 for Size 15)	50	179.00	8,950.00
		<b>Subtotal</b>		\$127,850.00
		<b>Sales Tax (0.0%)</b>		\$0.00
		<b>Total</b>		\$127,850.00



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/16/20

Date of Last Edit: 10/16/20

Project Number:	2026-220-02		
Project Title:	Replace 1998 Dive/Rescue truck		
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:**

The Scituate Fire Department is requesting capital funds to replace 1998 Isuzu box truck that is used as our emergency response dive truck. This vehicle has 16,000 miles on it and will be 28 years old when the request for replacement occurs.

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

Historically emergency vehicles have been replaced on a maximum of 25 year cycle. Older vehicles have the tendency to break down more which could present a public safety challenge during an emergency event. Due to the salt environment we live in the paint is blistering in several areas as well as significant rust on the framework and chassis. This dive/rescue vehicle has to be fully operational every day. If this vehicle breaks down we don't have a backup that provides the necessary specialized equipment needed to conduct marine and underwater operations. If not funded we run the risk of ongoing repair costs as well as delayed emergency response from our dive team.

**Discuss Operating Budget Impact:**

This emergency response vehicle will be 28 years old, which exceeds the 25 year replacement cycle and 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. Our mechanic has had to provide more frequent repairs to this vehicle and will likely continue as the vehicle ages. If this vehicle is replaced it will significantly reduce the repair costs as well as being fully capable to respond to all demands of emergency service. The estimate for the command truck is -----for the vehicle and associated equipment. The radios, antennas, and licensing will add approximately \$10,000 for mobile and portable units.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
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	\$60,000					\$60,000	<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>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

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

**Prepared By:**  
 Sid Dailey  
 Marty's Isuzu, GMC, Buick  
 5 Independence Mall Way  
 Kingston, MA 02364  
 Phone: (800) 870-7573  
 Fax: (781) 585-0674  
 Email: sld@martysgmc.com

2015 Retail Isuzu NPR HD DSL REG AT

**SELECTED MODEL & OPTIONS**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

SELECTED MODEL - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
NF354	2015 Isuzu NPR HD DSL REG AT 150" WB WHITE CAB IBT AIR PWL	\$51,856.00

SELECTED VEHICLE COLORS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

<u>Code</u>	<u>Description</u>
-	Interior: No color has been selected.
-	Exterior 1: No color has been selected.
-	Exterior 2: No color has been selected.

SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

**CATEGORY**

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
<b>MODEL OPTION</b>		
NF354	CUSTOM/BASE MODEL (SEO) -inc: in rail fuel tank, pwr windows/door locks (REQ: C60 Air Conditioning)	\$0.00
<b>VEHICLE APPLICATION</b>		
RQ2	TRUCK APPLICATION (STD)	INC
<b>EMISSIONS</b>		
YF5	50 STATE EMISSIONS, INCLUDING CALIFORNIA	INC
<b>ENGINE</b>		

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
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 Customer File:

Prepared By:  
 Sid Dailey  
 Marty's Isuzu, GMC, Buick  
 5 Independence Mall Way  
 Kingston, MA 02364  
 Phone: (800) 870-7573  
 Fax: (781) 585-0674  
 Email: sid@martysgmc.com

## 2015 Retail Isuzu NPR HD DSL REG AT

### SELECTED MODEL & OPTIONS

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

CATEGORY			
Code	Description		MSRP
ENGINE			
11B	4HK1-TC, DIESEL ENGINE 317 CID (5.19L), 215 HP AT 2550 RPM: 452 FT-LB GROSS TORQUE AT 1850 RPM. 4 CYLINDER, 16 VALVE, FOUR CYCLE, OVERHEAD CAM, TURBOCHARGED, INTER-COOLED, WATER COOLED EGR VALVE, DIRECT INJECTION, ELECTRONICALLY CONTROLLED COMMON RAIL FUEL SYSTEM AND ENGINE CRUISE CONTROL. Oil level check switch and light. Engine Warning system with audible warning for low oil pressure, high coolant temperature, and low coolant level. Rear engine cover. (STD)		INC
TRANSMISSION			
IR7	TRANSMISSION, AUTOMATIC, AISIN A465 6-SPEED. Ratios: 3.742, 2.003, 1.343, 1.000, 0.773, 0.634, Rev 3.539 (STD)		INC
AXLE			
005	REAR AXLE RATIO, 4.56:1 (STD)		INC
WHEELBASE			
IB1	WHEELBASE, 150" (381.0 CM) includes ladder type channel frame. Full C section straight frame 33.5 inches (85.1 cm) wide. Yield strength 44,000 psi, section modulus 7.20 cu. in. and RBM 316,800 lb-ft/in per rail. (STD)		INC
FRONT TIRES			
15H/169	FRONT TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)		INC
REAR TIRES			
15H/134	REAR TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)		INC
PAINT SCHEME			
ZY1	SOLID PAINT (STD)		INC
SEAT TRIM			
34C	VERY DARK PEWTER, TRICOT & JERSEY KNIT COMBINATION CLOTH SEAT TRIM (STD)		INC
REQUIRED OPTION			

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

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 Customer File:

November 18, 2014 3:42:38 PM

Page 2

Prepared By:  
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 Fax: (781) 585-0674  
 Email: sid@martysgmc.com

2015 Retail Isuzu NPR HD DSL REG AT

**SELECTED MODEL & OPTIONS**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

SELECTED OPTIONS - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

**CATEGORY**

<u>Code</u>	<u>Description</u>	<u>MSRP</u>
REQUIRED OPTION		
I3H	DEF FILL CHARGE	\$10.00
C60	AIR CONDITIONING	\$1,272.00
ADDITIONAL OPTIONS		
UZF	BACK UP ALARM	\$112.00
I66	ENGINE BLOCK HEATER (120V 600W)	\$80.00
<b>OPTIONS TOTAL</b>		<b>\$1,474.00</b>

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
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Customer File:

Prepared By:  
 Sid Dalley  
 Marty's Isuzu, GMC, Buick  
 5 Independence Mall Way  
 Kingston, MA 02364  
 Phone: (800) 870-7573  
 Fax: (781) 585-0674  
 Email: sid@martysgmc.com

2015 Retail Isuzu NPR HD DSL REG AT

**PRICING SUMMARY**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

PRICING SUMMARY - 2015 Retail NF354 150" WB WHITE CAB IBT AIR PWL

	<u>MSRP</u>
Base Price	\$51,856.00
Total Options:	\$1,474.00
Vehicle Subtotal	\$53,330.00
Tire Weight Tax	\$0.00
Advert/Adjustments	\$0.00
Destination Charge	\$1,125.00
<b>GRAND TOTAL</b>	<b>\$54,455.00</b>

CHASSIS LIST \$54,455  
 REBATE & DISCOUNT - 11,774  
 Buy CHASSIS FOR \$42,681  
 + BODY (SEE QUOTE)  
 + TAX, REG & DOC FEE

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
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Customer File:



# DEJANA

Truck and Utility Equipment



## QUOTE

New York, New England, Mid Atlantic  
& Greater Philadelphia  
490 Pulaski Rd Kings Park, NY 11754  
Phone(631)544-9000 Fax(631)544-3501  
WWW.DEJANA.COM

QUOTE #	DS002806
DATE	11/18/2014

SOLD TO: MARTYS GMC  
SID  
5 INDEPENDENCE MALL WAY  
KINGSTON MA 02364  
  
Phone: 7815857571  
Fax: (781) 585-4718  
Email: SID@MARTYSGMC.COM

SHIP TO: MARTYS GMC  
SID  
5 INDEPENDENCE MALL WAY  
KINGSTON MA 02364  
  
Phone: (781) 585-7571  
Fax: (781) 585-4718

SALESPERSON	REFERENCE	P.O. REQUIRED	QUOTE VALID UNTIL
BRIAN SARAUULT		No	12/18/2014

MAKE:	ISUZU	MODEL:	NPR-HD	YEAR:	2008	SRW/DRW:	DRW
CAB TO AXLE:	129.0	WHEELBASE:	150.0	VIN:			
STOCK/ORDER NUMBER:	TT ISUZU BOX TRUCK			TOTAL WEIGHT (LBS) OF ALL QUOTED ITEMS:	0		

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	DEJANA DURA-BOX DRY FREIGHT BODY 16' LENGTH X 96" WIDTH X 84" HEIGHT: ----- * BODY LENGTH: 16'5" OD/ 16' ID * BODY WIDTH: 96" OD/ 92.25" ID * BODY HEIGHT: 91.25" OD/ 84.25" ID * POLAR WHITE .040 ALUMINUM SHEET AND POST CONSTRUCTION * 16" ON CENTER GALVANIZED SIDE POSTS * 2" RIVET SPACING ON ALL PANEL SEAMS * 3" I-BEAM CROSS MEMBERS ON 16" CENTERS * 4" STRUCTURAL CHANNEL LONG SILLS * PINE WOOD FLOOR * COMPLETE UNDERCOATING OF BODY STRUCTURE * 2 ACCESS HANDLES  INCLUDES:		
1	SUBFRAME, DRW DRY FREIGHT 16'L X 96"W		
1	MOUNT KIT, DRY FREIGHT 16' BODY		
1	ROOF PANEL, TRANSLUCENT		

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1/2" PLYWOOD, FRONT ONLY STANDARD		
1	3/8" PLYWOOD, SIDES ONLY STANDARD		
1	STANDARD INCANDESCENT MARKER LIGHTS, DRW DRY FREIGHT		
1	LIGHTING, INTERIOR DOME LIGHT LED		
1	2-1/4 BARN DOOR SET, 40"W		
1	TIE RING, STANDARD. SURFACE MOUNT LOCATED APPROXIMATELY EVERY 4' ON CENTER		
1	42"W ROLL UP SIDE DOOR		
1	DROP STEP BUMPER, FULL WIDTH 96" WIDE BODY		
1	BACK UP ALARM		
1	DELIVERY TO DEALERSHIP CARGO DIVISION ZONE 13		

SUBTOTAL	\$8,198.00
DISCOUNT	\$0.00
SALES TAX	\$0.00
TOTAL	\$8,198.00

### Suggested Items:

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE	ADD TO QUOTE
				Yes / No

Customer must fill out the information below before the order can be processed...

Quote #**DS002806**

Accepted by:	Date:	PO#:
Dealer's Stock#:	Vin ID#:	
<b>TRUCK AT DEALER AND READY FOR PICKUP?</b>		
YES:	NO:	OTHER:
Make:	Model:	
Color:	WB:	

- ◆ PLEASE SIGN AND INCLUDE PO IF REQUIRED AND FAX BACK TO 631-544-3501
- ◆ Labor and installation is included in all pricing.
- ◆ Quoted price does not include any applicable taxes.
- ◆ Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
- ◆ Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis

Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
29	Phone System Expansion*	2022-155-01	Information Technology	2022	GF	\$ 55,000	
27	Network Switches	2023-155-02	Information Technology	2023	GF	\$ 112,000	
			<b>Total</b>			<b>\$ 167,000</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/15/20

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

Project Number:	2022-155-02
Project Title:	Network Switches
Category:	Equipment
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:**

This project would replace our oldest and most important network switches across our network. The manufacturer of our older network switches has announced that as of October 30, 2023 they will no longer release any maintenance or security updates. They will also be discontinuing all software and hardware support a year later.

This request will allow us to replace our older network switches that are critical to the Town's computer and voice networks, which support the Town's day to day operations. Our core network switches in our Datacenter support all data and voice communications across all Town buildings. This includes voice, data and radio systems for our Police, Fire, and the Dispatch center. Other network switches included in this request support Town Hall, the Board of Health, and the Library.

**Timeline: FY22**

Useful Life: I expect the network switches to have a useful life at least 7 years, depending on the manufacturer's continued development and support of the software and hardware, and their ability to continually meet our needs.

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

This project will allow us to replace our older network switches with new ones that will be supported by the manufacturer. With support, we will be able to get rapid hardware replacements, software and security updates, and technical support should problems arise.

If this project is not completed, we will run the risk of hardware failures not able to be fixed, security vulnerabilities not being patched, and prolonged network outages when problems arise. If this happens, our network, could be down for several days or weeks while we source new equipment and configure it. This would be detrimental to our emergency services who rely on the network for their daily operations and emergency communication systems.

**Discuss Operating Budget Impact:**

I expect this project to reduce the Technology Department's operating budget as the maintenance costs of our older network switches are very expensive.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$100,000	\$100,000				
Contingency	\$10,000	\$10,000				
Other	\$2,000	\$2,000				
<b>TOTAL</b>	<b>\$112,000</b>	<b>\$112,000</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>\$112,000</b>	<b>\$112,000</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					

**Core Network Switches**

Switch Equipment (w/Shipping)	\$100,000
Contingency	\$10,000
Other - patch cables	\$2,000
<b>Total</b>	<b>\$112,000</b>

**Quoted To:**

**Town of Scituate**  
Michael Minchello  
600 Chief Justice Cushing Highway  
Scituate, MA 02066  
United States

**Phone** (781) 545-8812  
**Fax**

**Prepared By:**

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

**Ship Via:** UPS Ground

**Terms:** Due Upon Receipt

Project Budgets

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> Public Safety Building Switches			\$67,557.50
<input type="checkbox"/> <b>Network Configuration and Installation</b> - Review routing tables and current setup. - Design VLAN and interconnection of stack to new network - Configure switch infrastructure and and firmware updates. - Install switches and connect to fiber - Design and Configure WiFi AP System - up to 3 SSIDs created with one as a guest - 1 SSID Certificate based 802.1x - 1 SSID Captive Portal for Guest - Review AP layout and assist in AP placement - Install WiFi APs and review signal coverage - Tuning AP coverage and document coverage baseline	<b>\$8,600.00</b>	<b>1</b>	<b>\$8,600.00</b>
<input type="checkbox"/> Summit X460-G2 48 10/100/1000BASE-T PoE+, 4 1000/10GBaseX unpop'd SFP+ ports, Rear VIM Slot (unpop'd), Rear Timing Slot (unpop'd), 2 unpop'd PSU slots, fan module slot (unpop'd), ExtremeXOS Advanced Edge license with EXOS Release 22.1 or greater	\$6,920.20	5	\$34,601.00
<input type="checkbox"/> EW NBD AHR 16704	\$499.00	5	\$2,495.00
<input type="checkbox"/> ExtremeXOS Advanced Core License upgrade from Edge License for Summit X460 & X460-G2 Series Switches	\$2,173.50	5	\$10,867.50
<input type="checkbox"/> EW TAC & OS Summit X460CORE	\$226.00	5	\$1,130.00
<input type="checkbox"/> Fan Module for Summit X460-G2/X450-G2 Series Switches - front to back airflow	\$252.00	5	\$1,260.00
<input type="checkbox"/> 715W AC PoE Power Supply Module with front to back airflow	\$764.40	10	\$7,644.00
<input type="checkbox"/> Power Cord, 15A, USA, NEMA 5-15, IEC320-C15	\$29.00	10	\$290.00

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> C2G 1m LC-SC 9/125 Duplex Single Mode OS2 Fiber Cable - Yellow - 3ft - 1m LC-SC 9/125 Duplex Single Mode OS2 Fiber Cable - Yellow - 3ft	\$24.20	2	\$48.40
<input type="checkbox"/> 10 Gigabit Ethernet SFP+ passive cable assembly, 1m length.	\$103.60	6	\$621.60
<input type="checkbox"/> Board of Health Switches			\$15,164.80
<input type="checkbox"/> <b>Network Configuration and Installation</b> - Review routing tables and current setup. - Design VLAN and interconnection of stack to new network - Configure switch infrastructure and and firmware updates. - Install switches and connect to fiber - Design and Configure WiFi AP System - up to 3 SSIDs created with one as a guest - 1 SSID Certificate based 802.1x - 1 SSID Captive Portal for Guest - Review AP layout and assist in AP placement - Install WiFi APs and review signal coverage - Tuning AP coverage and document coverage baseline	<b>\$2,400.00</b>	<b>1</b>	<b>\$2,400.00</b>
<input type="checkbox"/> X440-G2 24 10/100/1000BASE-T POE+, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license	\$2,644.60	1	\$2,644.60
<input type="checkbox"/> EW NBD AHR 16533	\$181.00	1	\$181.00
<input type="checkbox"/> Extreme Networks SFP (mini-GBIC) Module - 1 Gbit/s (Upstream)	\$2,468.20	2	\$4,936.40
<input type="checkbox"/> Extreme Networks SFP (mini-GBIC) Module - 1 Gbit/s (Downstream)	\$2,468.20	2	\$4,936.40
<input type="checkbox"/> Pwr Cord,10A,NEMA 5-15P,IEC320-C13	\$18.00	1	\$18.00
<input type="checkbox"/> C2G 1m LC-SC 9/125 Duplex Single Mode OS2 Fiber Cable - Yellow - 3ft - 1m LC-SC 9/125 Duplex Single Mode OS2 Fiber Cable - Yellow - 3ft	\$24.20	2	\$48.40
<input type="checkbox"/> Townhall Switches			\$15,095.00
<input type="checkbox"/> <b>Network Configuration and Installation</b> - Review routing tables and current setup. - Design VLAN and interconnection of stack to new network - Configure switch infrastructure and and firmware updates. - Install switches and connect to fiber - Design and Configure WiFi AP System - up to 3 SSIDs created with one as a guest - 1 SSID Certificate based 802.1x - 1 SSID Captive Portal for Guest - Review AP layout and assist in AP placement - Install WiFi APs and review signal coverage - Tuning AP coverage and document coverage baseline	<b>\$3,000.00</b>	<b>1</b>	<b>\$3,000.00</b>
<input type="checkbox"/> X440-G2 48 10/100/1000BASE-T POE+, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license	\$4,182.50	2	\$8,365.00
<input type="checkbox"/> EW NBD AHR 16535	\$282.00	2	\$564.00

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> Extreme Networks 10GBASE-LR SFP+ Module - 1 x 10GBase-LR	\$1,554.00	2	\$3,108.00
<input type="checkbox"/> USA,CORD,NEMA 5-15,C13	\$29.00	2	\$58.00

	<b>Subtotal</b>	\$97,817.30
Your investment in addition to the Grand Total: \$0.00 Billed Monthly \$0.00 Billed Quarterly \$0.00 Billed Annually	<b>Tax</b>	\$0.00
	<b>Shipping</b>	\$0.00
	<b>Grand Total</b>	<b>\$97,817.30</b>

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

Please contact me if I can be of further assistance.



**GENERAL**

Ayacht Technology Solutions LLC., (also referred to as ATS) and you, the Customer agree that the following terms and conditions will apply

1. **CONTRACT PERIOD** – This Agreement (aka "order") shall be effective when signed by you and accepted in writing by ATS unless terminated as set forth in this agreement. Post Warranty services will be for an initial term as specified on the reverse hereof.
2. **INSTALLATION & DELIVERY** – ATS will install the products for which the installation charges are separately set forth on the order. Customer agrees to pay any installation charges set forth on the order and further agrees to (1) provide the proper environment, electrical & telecommunication connections as specified in advance by ATS, (2) follow all ATS installation, operation & maintenance instructions. (3) Provide access to the product; enable ATS to perform maintenance & adequate work space. If no installation/delivery date is specified at the time the Customer signs the order, Customer agrees that ATS may enter the scheduled installation/delivery date based on its normal intervals & notify Customer of such date.
3. **TAXES** – Customer agrees to pay taxes, however designated, imposed on or based upon the provision, sale, license or use of products or services provided.
4. **SHIPPING** – All shipping, rigging and other destination charges, if applicable will be invoiced by ATS and paid by Customer.
5. **WARRANTIES** – EXCEPT AS SPECIFICALLY STATED HEREIN, ATS AND ITS AFFILIATES, SUBCONTRACTORS AND SUPPLIERS MAKE NO WARRANTIES EXPRESS OR IMPLIED AND SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
6. **LIMITATIONS OF LIABILITY** – ATS shall not be liable for any injury indirect, incidental or consequential damages; including lost profits, sustained or incurred in connection with the products furnished under this agreement. That includes, but is not limited to: injury caused in whole or in part by defective equipment. Neither ATS, its affiliates, suppliers or subcontractors shall be liable in any way for delays, failure in performance, loss or damage due to any of the following force majeure conditions: fire, strike, embargo, explosion, power blackout, earthquake, volcanic action, flood, war, water, the elements, labor disputes, civil or military authority, acts of God, public enemy, inability to secure raw materials, inability to secure products, transportation facilities, acts or omissions of telecommunications or data communication common carriers, or other causes beyond its reasonable control, whether or not similar to the foregoing.
7. **ASSIGNMENT** – This agreement is not freely assignable by either party without the advance written consent of the other party.
8. **SUBCONTRACTING** – ATS may subcontract any or all of the work performed under this agreement.
9. **TERMINATION OF AGREEMENT** – (a) Customer may terminate this Agreement w/o liability for termination charges; if ATS fails to perform/observe any material term or condition of this Agreement and such failure shall continue unremedied for 30 days after ATS receipt of notice thereof from customer. It is expressly agreed that ATS liability for failure to perform its obligation shall not, in any case, exceed amounts already paid by the customer. ATS may terminate this agreement or any orders accepted hereunder and Customer shall be in default of this Agreement if Customer fails to pay any charge when due or fails to perform or observe any other term or condition of this Agreement. If such failure shall continue unremedied for thirty (30) days after receipt of notice from ATS. In event of such termination by ATS, applicable termination charges will apply. (b) Upon termination of this Agreement or any orders hereunder, Customer will return the products provided under all affected orders to ATS. ATS shall not be obligated to restore the premises to their original condition. If Customer does not return the products or make them available for removal by ATS, then in addition to all other remedies at law or equity available to ATS all obligations of Customer under this Agreement shall remain in force and effect until the products are returned to ATS. (SEE Section 17 for Service/Maintenance Cancellation/Termination)
10. **MODIFICATIONS** – (a) Any supplement to or modifications or waiver of any provision of this Agreement must be made in writing and signed by authorized representatives of both parties; except that ATS may upon thirty (30) days prior written notice to Customer, modify the Terms and Conditions of this Agreement, which modifications shall be effective only as to renewals and new orders placed by the Customer and accepted by ATS after the effective date of such modification. Variances from this Agreement in any Customer order will be of no affect. (b) If any term or provision of this Agreement shall be held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby and each term and provision hereof shall be valid and enforced to the fullest extent permitted by law.
11. **TITLE** – ATS shall at all times retain title to the equipment specified on the order and installed at Customer's premise. Title shall pass to the Customer only after the specified purchase price is paid in full. In the event payment is not received in accordance with this Agreement, Customer agrees to execute Uniform Commercial Code Financing Statement and grants ATS the right to execute Customer's name thereto. Customer agrees to pay or reimburse ATS for any filing, recording or stamp fees or taxes arising from the filing or recording any such instrument or statement. Customer shall at its expense protect and defend ATS title to the equipment against all persons claiming against or through the Customer at all times keeping the equipment free from any legal process or encumbrance whatsoever and shall give ATS immediate notice thereof and shall indemnify ATS from any loss caused thereby.
12. **RISK OF LOSS** - Customer hereby assumes the entire risk of loss, damage or destruction of the equipment from any and every cause whatsoever during the period in which full payment has not been received by ATS. In the event of loss, damage or destruction of any item of equipment, Customer at its expense shall (a) repair such item, returning it to its previous condition, unless damaged beyond repair, or (b) replace such item.
13. **PRICE AND PAYMENT** – The equipment price listed on the reverse hereof is not subject to change unless Customer postpones the installation/delivery date for more than thirty (30) days, in which case the applicable price will be the price in effect on the date of installation/delivery. Purchase is made in two payments, a deposit equal to one half the purchase price upon receipt of order and final payment becomes due and payable upon receipt (and, installation if applicable) of equipment. In the event several non-critical items are not available at the installation/delivery date, the entire purchase price less the deposit and the non-critical items becomes due and payable. Payment for remaining items becomes due and payable upon receipt and after applicable installation if required. All outstanding balances are subject to interest charge of 1.5% per month. If an order is cancelled in whole or in part prior to the commencement date of installation (or delivery for a Customer installed product), a cancellation charge equal to ten (10%) percent of the purchase price of the cancelled order applies, plus any shipping charges incurred.
14. **FREE REPAIR OR REPLACEMENT AND LIMITS OF LIABILITY** – (a) ATS will repair or replace the equipment directly sold by ATS to the customer without charge during the free repair or replacement period. The free repair or replacement period is subject to the Manufacturers Warranty period and guidelines or thirty (30) days from installation date for used or refurbished equipment. (b) During the free repair or replacement period, equipment will be repaired according to the terms and conditions set forth in the Manufacturers Warranty guidelines.

Initials

**SERVICE/MAINTENANCE**

15. **SERVICE & LIMITS ON LIABILITY** - (a) ATS or an authorized subcontractor will repair or replace the equipment according to and if it falls within the guidelines set forth in section 14. The Equipment shall be considered defective if it becomes inoperable due to normal wear and tear or if it causes injury by reason of improper design, failure to warn or unavoidable danger. Customer expressly agrees to hold ATS harmless and indemnify ATS for any injury resulting from a defective product and/or anything other than ATS negligence. Injury means injury to person or property, tangible or intangible. That includes but is not limited to: (1) loss of business, profit, information, revenue and goodwill. (2) Indirect, consequential or special damages. Repair or replacement of equipment is ATS sole obligation. The Customer agrees to accept replacement parts of comparable quality if ATS is unable to obtain original equipment replacement models in its ordinary course of business. Payment for all installed equipment must have been received by ATS for the service period to be in effect. The service period is subject to the guidelines in section 14. (b) Equipment covered under the service period will be repaired or replaced according to the terms and conditions set forth herein. (c) The service period does not cover damages, defects, malfunctions or failures caused by: 1) Customer's failure to follow ATS installation, operation or maintenance instructions, 2) Customer's modification of the equipment, 3) Customer's abuse, misuse or negligent acts and 4) Power failures or surges, lightning, fire, flood, pest damage, accident, actions of third parties and other events outside ATS control. (d) NO OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE BY ATS.

16. **CANCELLATION/TERMINATION** - Prior to the commencement of service, you may cancel coverage & receive a full refund of any prepaid amount. For prepaid, ATS will refund or credit the pro rata price of the remaining term less the applicable termination charges.

17. **CUSTOMER RESPONSIBILITIES** - Throughout the term of this agreement, Customer agrees to: (1) follow all ATS installation, operation & maintenance instructions, (2) provide the proper environment & electrical & Internet/telecommunication connection as specified by ATS, (3) provide access to the products to enable ATS to perform maintenance and provide adequate work space.

18. **MISCELLANEOUS** - THIS ENTIRE AGREEMENT BETWEEN PARTIES WITH RESPECT TO THE PRODUCTS AND SERVICES PROVIDED HEREUNDER AND SUPERSEDES ALL PRIOR AGREEMENTS, PROPOSALS OR UNDERSTANDING WHETHER WRITTEN OR ORAL. This Agreement shall be construed and enforced in accordance with the laws of the Commonwealth of Massachusetts.

[ ]

Initials



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/15/20

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

Project Number:	2022-155-01
Project Title:	Phone System Expansion
Category:	Equipment
Department: Information Technology	Contact: Mike Minchello, Director of Information Technology

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

The project will continue the replacement and modernization of the voice over IP (VoIP) phone system which began at Town Hall a few years ago, and then expanded to the Public Safety Complex, COA, Recreation, Fire Station 1, and the Library. I would like to continue to replace our antiquated analog phone systems at the Highway Dept., Harbormaster's Office, Community Center (FACTS), Fire Station 4, Water, and Sewer.

The project will allow us to increase the speed of our data network in most locations that already have IP phones, as our computers are connected to the network through the existing IP phones. The current IP phones are limited to 100Mbps of data. The new phones will support speeds up to one gigabit (1Gbs), the minimum standard for today's enterprise networks. Existing phones will be reallocated to locations that do not need to connect to computers, where possible.

This request is to do this project in FY22.

I expect the phone systems to have a useful life at least 10 years, depending on the manufacturer's continued development and support of the software and hardware, and their ability to continually meet our needs.

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

The expansion of the system into these locations will provide for a unified system across Town departments, including 4 digit dialing internally, Directed Inward Dialing (DID), unified voicemail, call attendants (menus), centralized management, ability to forward phone calls, and more. This project would also allow us to centrally manage our telephone service providers, reduce the number of Verizon phone lines we are currently paying for, and make better use of the central phone lines that we already own and pay for.

Additionally, the new system allows for folks who might not always be in the office to be able to continue to use their office phone through their cell phone, forwarding, softphone, and voicemail delivered to email.

Not funding this project will result in continued phone disruptions at some offices, especially when it rains. We also continue to risk the old phone systems breaking and not being able to be repaired. When this happens, the building may be without a phone system for several weeks as we would have to design, plan, purchase, configure,

**Discuss Operating Budget Impact:**

The new phone systems will be covered under a new maintenance agreement which will have a slight increase to our annual operating budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$12,000	\$12,000				
Equipment/Furnishings	\$36,000	\$36,000				
Contingency	\$5,000	\$5,000				
Other	\$2,000	\$2,000				
<b>TOTAL</b>	<b>\$55,000</b>	<b>\$55,000</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>\$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					

**Phone System Expansion**

Cabling for network jacks	\$12,000
Phone Equipment (w/Shipping)	\$36,000
Contingency	\$5,000
Other - patch cables	\$2,000
<b>Total</b>	<b>\$55,000</b>



50 Speen Street  
 Suite 200  
 Framingham, MA 01701



**Quotation**

Date	Quote #
10/08/20	AAAQ8381

Item	Description	Qty	Unit Price	Ext. Price
30145	Connect ONSITE Courtesy license	1	\$81.65	\$81.65
30053	Mitel SIP Device License	1	\$22.72	\$22.72
<b>Water Treatment and Offices - 4 Old Oaken Bucket</b>				
10577	Mitel IP Phone IP480g	3	\$291.10	\$873.30
10577	Mitel IP Phone IP480g	6	\$291.10	\$1,746.60
30145	Connect ONSITE Courtesy license	4	\$81.65	\$326.60
30146	Connect ONSITE Telephony license	1	\$134.90	\$134.90
30147	Connect ONSITE Essentials license bundle - ext., mailbox and desk top client	4	\$166.85	\$667.40
<b>Widows Walk</b>				
10577	Mitel IP Phone IP480g	3	\$291.10	\$873.30
30145	Connect ONSITE Courtesy license	1	\$81.65	\$81.65
30146	Connect ONSITE Telephony license	1	\$134.90	\$134.90
30147	Connect ONSITE Essentials license bundle - ext., mailbox and desk top client	1	\$166.85	\$166.85
<b>WWTP (sewer) Offices</b>				
10577	Mitel IP Phone IP480g	8	\$291.10	\$2,328.80
30145	Connect ONSITE Courtesy license	6	\$81.65	\$489.90
30147	Connect ONSITE Essentials license bundle - ext., mailbox and desk top client	2	\$166.85	\$333.70
<b>Community Building</b>				
10577	Mitel IP Phone IP480g	3	\$291.10	\$873.30
30147	Connect ONSITE Essentials license bundle - ext., mailbox and desk top client	3	\$166.85	\$500.55

**Harbormaster**

All information contained within this quote is valid for the next 60 days. Thereafter, all prices and applicable charges are subject to change.  
 Payment Terms: 25% Down Payment, Progress Payment for equipment upon delivery, Final Payment upon completion and acceptance.

50 Speen Street  
 Suite 200  
 Framingham, MA 01701



**Quotation**

Date	Quote #
10/08/20	AAAQ8381

Item	Description	Qty	Unit Price	Ext. Price
10580	Mitel Voice Switch ST50A	1	\$1,846.00	\$1,846.00
10577	Mitel IP Phone IP480g	5	\$291.10	\$1,455.50
30147	Connect ONSITE Essentials license bundle -ext., mailbox and desktop client	4	\$166.85	\$667.40
30145	Connect ONSITE Courtesy license	1	\$81.65	\$81.65
<b>*** you have one spare site license which we can use for this site***</b>				
<b>Town Hall</b>				
10577	Mitel IP Phone IP480g	5	\$291.10	\$1,455.50
<b>Highway Dept.</b>				
10577	Mitel IP Phone IP480g	8	\$291.10	\$2,328.80
30146	Connect ONSITE Telephony license	4	\$134.90	\$539.60
30147	Connect ONSITE Essentials license bundle	4	\$166.85	\$667.40
<b>Library</b>				
10577	Mitel IP Phone IP480g	2	\$291.10	\$582.20
<b>Labor / Full Install - config, design, install and training</b>				
Labor - Project Engineer	Project Engineer	24	\$150.00	\$3,600.00
Labor - Field Technician	Field Technician	24	\$125.00	\$3,000.00
Labor - IT Engineer	IT Engineer	4	\$175.00	\$700.00
Labor - Training	Training	2	\$125.00	\$250.00

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50 Speen Street  
Suite 200  
Framingham, MA 01701



## Quotation

Date	Quote #
10/08/20	AAAQ8381

Item	Description	Qty	Unit Price	Ext. Price
	Please contact me if I can be of further assistance.		Sub Total	\$34,233.22
			Sales Tax	\$0.00
			<b>Total</b>	<b>\$34,233.22</b>

Accepted by:

Town of Scituate

Signature: \_\_\_\_\_

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

Printed Name: \_\_\_\_\_

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

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Payment Terms: 25% Down Payment, Progress Payment for equipment upon delivery, Final Payment upon completion and acceptance.





**Wireless LAN**

Cabling for network jacks for all Aps	\$17,000
Phone Equipment (w/Shipping)	\$45,000
Contingency	\$5,000
Other - patch cables	\$2,000
<b>Total</b>	<b>\$69,000</b>

**Quoted To:**

**Town of Scituate**  
Michael Minchello  
600 Chief Justice Cushing Highway  
Scituate, MA 02066  
United States

**Phone** (781) 545-8812  
**Fax**

**Prepared By:**

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

**Ship Via:** UPS Ground

**Terms:** Due Upon Receipt

Project Budgets WiFi

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> WiFi			\$44,508.90
<input type="checkbox"/> <b>Wireless Configuration and Installation</b> - Review routing tables and current setup. - Design VLAN and interconnection of stack to new network - Configure switch infrastructure and and firmware updates. - Install switches and connect to fiber - Design and Configure WiFi AP System - up to 3 SSIDs created with one as a guest - 1 SSID Certificate based 802.1x - 1 SSID Captive Portal for Guest - Review AP layout and assist in AP placement - Install WiFi APs and review signal coverage - Tuning AP coverage and document coverage baseline	<b>\$9,825.00</b>	<b>1</b>	<b>\$9,825.00</b>
<input type="checkbox"/> ExtremeCloud IQ: Tri-radio Outdoor WiFi 6 AP (4x4 5 GHz, 2x2 dual band & 1x1 sensor). Dual 5GHz, 2.5 GE & 1 GE port . Integrated light/power sensors & BLE/Zigbee. AI/ML green mode. Internal OMNI antenna. Domain: US	\$840.00	4	\$3,360.00
<input type="checkbox"/> EW TAC OS AP460C-FCC	\$25.00	4	\$100.00
<input type="checkbox"/> Outdoor, Single port, 1 Gigabit 802.3at PoE Injector (30 W)	\$322.00	4	\$1,288.00
<input type="checkbox"/> Outdoor AP stainless steel wall bracket assembly	\$32.90	4	\$131.60
<input type="checkbox"/> AP1130 Marine grade accessory kit. All items are marine grade. Includes screw pack, mounting brackets, locking screw for mounting bracket, 1-2.75 metal hose strap	\$72.10	4	\$288.40
<input type="checkbox"/> 6ft 18 AWG universal power cord with US plug. Compatible with XR600P AP650/AP650X power supply or any switch.	\$16.00	4	\$64.00
<input type="checkbox"/> ExtremeCloud IQ Pilot SaaS Subscription and EW SaaS Support for one (1) device (1 year) [ Term: 1 year ]	\$150.00	37	\$5,550.00

Continued On Next Page ...

Description	Unit Price	Qty	Ext. Price
<input type="checkbox"/> ExtremeCloud IQ: Indoor Tri Radio WiFi 6 AP, 2.4 GHz, 5GHz, & Sensor w/ Dual 5GHz & Multirate Port. Integrated Light, power sensors, BLE/Zigbee. AI/ML green mode. INT antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: US	\$699.30	33	\$23,076.90
<input type="checkbox"/> EW TAC OS AP410C-FCC	\$25.00	33	\$825.00

	<b>Subtotal</b>	\$44,508.90
Your investment in addition to the Grand Total: \$0.00 Billed Monthly \$0.00 Billed Quarterly \$0.00 Billed Annually	<b>Tax</b>	\$0.00
	<b>Shipping</b>	\$0.00
	<b>Grand Total</b>	<b>\$44,508.90</b>

- 1. Terms: Service 50% deposit due upon signed agreement and 50% due upon completion of work. Product 50% due upon signed agreement and 50% due upon delivery.**
- 2. Prices are valid for 15 days from the quotation date.**
- 3. Prices may include ground shipping charges to ATS from specific vendors.**
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3. **TAXES** – Customer agrees to pay taxes, however designated, imposed on or based upon the provision, sale, license or use of products or services provided.
4. **SHIPPING** – All shipping, rigging and other destination charges, if applicable will be invoiced by ATS and paid by Customer.
5. **WARRANTIES** – *EXCEPT AS SPECIFICALLY STATED HEREIN, ATS AND ITS AFFILIATES, SUBCONTRACTORS AND SUPPLIERS MAKE NO WARRANTIES EXPRESS OR IMPLIED AND SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.*
6. **LIMITATIONS OF LIABILITY** – ATS shall not be liable for any injury indirect, incidental or consequential damages; including lost profits, sustained or incurred in connection with the products furnished under this agreement. That includes, but is not limited to: injury caused in whole or in part by defective equipment. Neither ATS, its affiliates, suppliers or subcontractors shall be liable in any way for delays, failure in performance, loss or damage due to any of the following force majeure conditions: fire, strike, embargo, explosion, power blackout, earthquake, volcanic action, flood, war, water, the elements, labor disputes, civil or military authority, acts of God, public enemy, inability to secure raw materials, inability to secure products, transportation facilities, acts or omissions of telecommunications or data communication common carriers, or other causes beyond its reasonable control, whether or not similar to the foregoing.
7. **ASSIGNMENT** – This agreement is not freely assignable by either party without the advance written consent of the other party.
8. **SUBCONTRACTING** – ATS may subcontract any or all of the work performed under this agreement.
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10. **MODIFICATIONS** – (a) Any supplement to or modifications or waiver of any provision of this Agreement must be made in writing and signed by authorized representatives of both parties: except that ATS may upon thirty (30) days prior written notice to Customer, modify the Terms and Conditions of this Agreement, which modifications shall be effective only as to renewals and new orders placed by the Customer and accepted by ATS after the effective date of such modification. Variances from this Agreement in any Customer order will be of no affect. (b) If any term or provision of this Agreement shall be held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby and each term and provision hereof shall be valid and enforced to the fullest extent permitted by law.
11. **TITLE** – ATS shall at all times retain title to the equipment specified on the order and installed at Customer's premise. Title shall pass to the Customer only after the specified purchase price is paid in full. In the event payment is not received in accordance with this Agreement, Customer agrees to execute Uniform Commercial Code Financing Statement and grants ATS the right to execute Customer's name thereto. Customer agrees to pay or reimburse ATS for any filing, recording or stamp fees or taxes arising from the filing or recording any such instrument or statement. Customer shall at its expense protect and defend ATS title to the equipment against all persons claiming against or through the Customer at all times keeping the equipment free from any legal process or encumbrance whatsoever and shall give ATS immediate notice thereof and shall indemnify ATS from any loss caused thereby.
12. **RISK OF LOSS** - Customer hereby assumes the entire risk of loss, damage or destruction of the equipment from any and every cause whatsoever during the period in which full payment has not been received by ATS. In the event of loss, damage or destruction of any item of equipment, Customer at its expense shall (a) repair such item, returning it to its previous condition, unless damaged beyond repair, or (b) replace such item.
13. **PRICE AND PAYMENT** – The equipment price listed on the reverse hereof is not subject to change unless Customer postpones the installation/delivery date for more than thirty (30) days, in which case the applicable price will be the price in effect on the date of installation/delivery. Purchase is made in two payments, a deposit equal to one half the purchase price upon receipt of order and final payment becomes due and payable upon receipt (and, installation if applicable) of equipment. In the event several non-critical items are not available at the installation/delivery date, the entire purchase price less the deposit and the non-critical items becomes due and payable. Payment for remaining items becomes due and payable upon receipt and after applicable installation if required. All outstanding balances are subject to interest charge of 1.5% per month. If an order is cancelled in whole or in part prior to the commencement date of installation (or delivery for a Customer installed product), a cancellation charge equal to ten (10%) percent of the purchase price of the cancelled order applies, plus any shipping charges incurred.
14. **FREE REPAIR OR REPLACEMENT AND LIMITS OF LIABILITY** – (a) ATS will repair or replace the equipment directly sold by ATS to the customer without charge during the free repair or replacement period. The free repair or replacement period is subject to the Manufacturers Warranty period and guidelines or thirty (30) days from installation date for used or refurbished equipment. (b) During the free repair or replacement period, equipment will be repaired according to the terms and conditions set forth in the Manufacturers Warranty guidelines.

Initials

**SERVICE/MAINTENANCE**

15. **SERVICE & LIMITS ON LIABILITY** - (a) ATS or an authorized subcontractor will repair or replace the equipment according to and if it falls within the guidelines set forth in section 14. The Equipment shall be considered defective if it becomes inoperable due to normal wear and tear or if it causes injury by reason of improper design, failure to warn or unavoidable danger. Customer expressly agrees to hold ATS harmless and indemnify ATS for any injury resulting from a defective product and/or anything other than ATS negligence. Injury means injury to person or property, tangible or intangible. That includes but is not limited to: (1) loss of business, profit, information, revenue and goodwill. (2) Indirect, consequential or special damages. Repair or replacement of equipment is ATS sole obligation. The Customer agrees to accept replacement parts of comparable quality if ATS is unable to obtain original equipment replacement models in its ordinary course of business. Payment for all installed equipment must have been received by ATS for the service period to be in effect. The service period is subject to the guidelines in section 14. (b) Equipment covered under the service period will be repaired or replaced according to the terms and conditions set forth herein. (c) The service period does not cover damages, defects, malfunctions or failures caused by: 1) Customer's failure to follow ATS installation, operation or maintenance instructions, 2) Customer's modification of the equipment, 3) Customer's abuse, misuse or negligent acts and 4) Power failures or surges, lightning, fire, flood, pest damage, accident, actions of third parties and other events outside ATS control. (d) NO OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE BY ATS.

16. **CANCELLATION/TERMINATION** – Prior to the commencement of service, you may cancel coverage & receive a full refund of any prepaid amount. For prepaid, ATS will refund or credit the pro rata price of the remaining term less the applicable termination charges.

17. **CUSTOMER RESPONSIBILITIES** – Throughout the term of this agreement, Customer agrees to: (1) follow all ATS installation, operation & maintenance instructions, (2) provide the proper environment & electrical & Internet/telecommunication connection as specified by ATS, (3) provide access to the products to enable ATS to perform maintenance and provide adequate work space.

18. **MISCELLANEOUS** – THIS ENTIRE AGREEMENT BETWEEN PARTIES WITH RESPECT TO THE PRODUCTS AND SERVICES PROVIDED HEREUNDER AND SUPERSEDES ALL PRIOR AGREEMENTS, PROPOSALS OR UNDERSTANDING WHETHER WRITTEN OR ORAL. This Agreement shall be construed and enforced in accordance with the laws of the Commonwealth of Massachusetts.

[ ]

Initials

Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
29	Digitize Departmental Records*	2022-241-01	Inspections	2022	GF	\$ 308,541	
			<b>Total</b>			<b>\$ 308,541</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-241-01
Project Title:	Digitize Department Records
Category:	Other - data conversion to electronic format
BUILDING/INSPECTIONS and IT	Contact: BOB VOGEL - BUILDING COMMISSIONER

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:	NEW X	RECURRING	Resubmission [ ]
	MULTIYEAR	Phase - Final	

**Description:**

*Building Department files contain, among other documents, records of permit applications, with supporting data, including building plans, site surveys, etc. that provide valuable information to inform current projects, planning, and decision making, often involving large capital commitments. Therefore public access is frequently requested. There are also occasions where these files serve internal purposes, for example the historic analysis of storm damage repair projects. Due to space constraints, we can only retain 6 - 8 years of paper records in the office; these records are readily available for public and internal purposes. However, to create space for incoming material, we are constantly culling our files and moving older ones to boxes in the archives. The project proposed can be described simply as digitizing this massive amount of documents, coding them and uploading them to a data base to facilitate storage, search and retrieval. The preliminary proposal we have received from General Code outlines a process whereby the scanning would occur in their facility and the time line would likely be a matter of several weeks. In order to retain access to our most often referenced records, archived material will be processed first, then material held in the office will be processed incrementally.*

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

*The files we keep in the office are ordered by address, as they must be. Knowing the street and number, you can go to the appropriate file drawer and find a jacket containing all paperwork connected to that address. The caveat is this paperwork will only be for the most recent several years; prior to that all documents are in the archives due to space constraints. However, because the archives are set up chronologically, to find a specific piece of information there, you must know the date of the permit or other event, information which is rarely available. This disconnect - archive filing chronologically vs. by address - makes the archives almost useless for both public and departmental purposes. Digitizing this material and uploading it to our data base will provide access that is now almost completely lacking. Departmental time spent searching for information will be virtually eliminated; this will create internal cost efficiencies and provide opportunities for data manipulation that do not currently exist. Public access will be facilitated as it should be since these are public records. It is obvious that digitizing paper files is going to happen at some point in time, not only for the Building Department, but universally across Town government. For this Department, the need is particularly obvious and pressing. Our current filing system is unworkable and we are constantly running out of in-office filing space.*

**Discuss Operating Budget Impact:**

*Building Department archives date back to 1946. There are gaps during the early years, but from 1968 on the records appear seamless. The proposal we have received from General Code and Image Data is based on a rough estimate of images to be scanned - 600,000 8.5 x 11 and 100,000 large format. Once the initial archived material, and the more current material we retain in our office files, is processed - digitized and uploaded - there will be an ongoing cost for periodic processing of newly arriving material. It is expected that more and more permit applications, plans, etc. will be provided to this Department in electronic format, thereby simplifying, and reducing the cost of, incorporating it into our data base. At some point in the not too distant future, we will make electronic format submissions mandatory. Also, it is anticipated that the Department will eventually be able to scan and upload files in-house, in part using leased large-format scanning equipment, the cost of which can be shared with other departments. To repeat, adoption of this process is inevitable. To adopt it sooner rather than later will maximize its benefit.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$308,541	\$308,541					<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 checked="" type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$308,541</b>	<b>\$308,541</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>\$308,541</b>	<b>\$308,541</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	Est. \$6,000	ongoing scanning of documents				
Post-Project One-time	\$0					





**Document Scanning Proposal  
For  
Town of Scituate, MA**

**Submitted: October 9, 2020**

**Submitted By: Laurie Green  
Senior Account Executive  
Image Data, Inc.  
(518) 862-2740  
lgreen@imgdata.com**

# **Statement of Services**

## **Scope of Work**

### **1.0 OBJECTIVE**

The objective of this proposal is to provide preparation and document scanning for the Town of Scituate's records for the following office:

- Building Department

The project will be converted in our Albany, New York production facility according to the requirements detailed in this Statement of Work.

Image Data Team will work closely with the designated representatives from the Town of Scituate throughout the term of this project to provide for a smooth, timely, confidential and successful partnership.

### **2.0 SUMMARY OF CONTENTS**

The following sections are included in this SOW:

- Production Contacts
- Pickup and Delivery
- Conversion Services
- Transmission of Images
- Post Scan Indexing
- Delivery and File Back-up
- Facility, Production and QC Overview
- Pricing Schedules

### **3.0 PRODUCTION CONTACTS**

The conversion will be managed by a team consisting of the following Image Data individuals, who will be responsible for completion of production activities.

- |   |                          |
|---|--------------------------|
| 1. Kara Heniges<br>(518) 862-2740 ext. 1030 | Operations Manager       |
| 2. Ken Major<br>(518) 862-2740 ext.1023     | Director of IT           |
| 3. Laurie Green<br>(518) 862-2740 ext.1021  | Senior Account Executive |

### **4.0 PROJECT PICKUP AND DELIVERY SCHEDULES**

The Town of Scituate will box and label all records for pick-up by driver and delivery to Image Data's production facility in Albany. Shipment method, dates, schedules and volume of boxes to be determined.

Based upon the supplied image volumes, Image Data anticipates the production time on a typical pick-up to be 120 to 180 days from the date of receipt.

## **5.0 DOCUMENT PREPARATION**

Document preparation will be needed to remove staples, paperclips, sticky notes and documents scanning and will be completed by IDI. Taping of any torn paper would be completed to make the documents scan ready.

Items will not be placed back into folders/subfolders but kept in the scan batch format after scanning.

## **6.0 CONVERSION SERVICES**

- Documents will be scanned at 300 DPI to black and white, searchable TIFF images
- Large format maps/plans will have fronts only scanned, backs of maps/plans will not be scanned
- All large plans within the same folder will be grouped and scanned together
- Full OCR on all images

Image Data is not able to improve the quality of a poor original. If poor quality originals are found, a "Best Image Available" document may be scanned prior to the original imaged document.

## **6.0 TRANSMISSION OF IMAGES**

Data will be transmitted to General Code for upload into Laserfiche software. NOTE: Load fees into LF are not included in this proposal and will be provided separately by General Code.

## **7.0 POST-SCANNING INDEXING & ORGANIZING**

General Code will index the following:

- Building Department
  - Address and Parcel ID (on first image)

## **8.0 IMAGE RETRIEVALS DURING PRODUCTION**

While the Records are at Image Data during production, a process will be determined for easy access to the images when requested. Requests by Authorized Representatives from the Town of Scituate can be made via telephone, email or fax and delivered via email, FTP, FedEx or UPS. The cost to retrieve would be \$17.00 per retrieval plus the imaging fee.

Retrieval: One record pulled from one file = one retrieval. All FedEx, USPS, UPS, or other ground service costs incurred are not part of this pricing structure and will be billed accordingly.

## **9.0 SERVICE LEVEL AND RETENTION**

Documents will be returned to the Town of Scituate once scanning is complete.

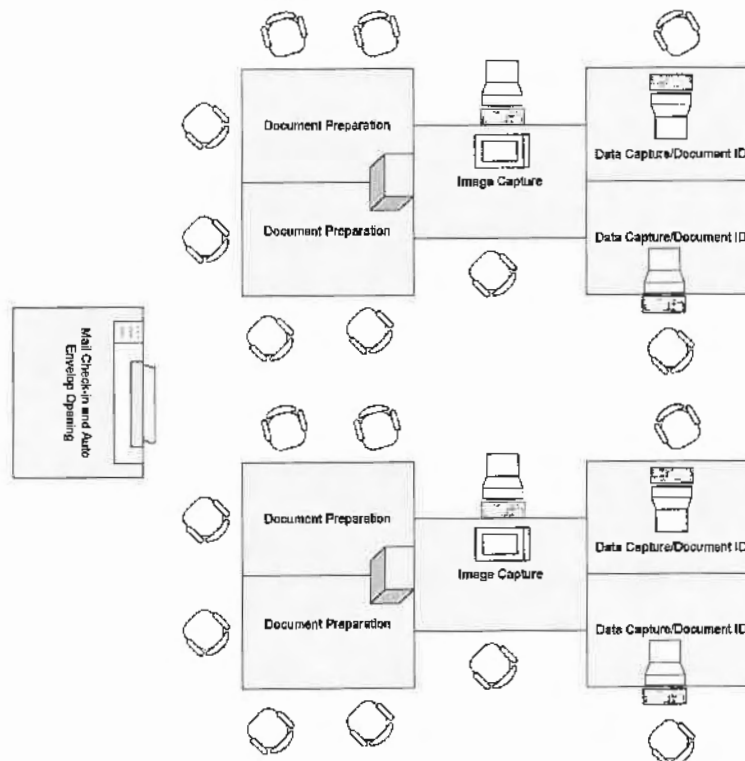
## 10.0 PRODUCTION AND QUALITY CONTROL (QC) OVERVIEW

### Lean Sigma Cells

All IMAGE DATA centers operate in a Lean Sigma Cell design. This design ensures efficiency by eliminating delays in any work queue. Work is not stacked or bottlenecked with the possibility that errors may be contained in an over produced work station. With this workflow design, all elements are synchronized to maximize a daily throughput rate by balancing and managing workloads at each station of the cell. The error prone design of separating prep/imaging/index/document identification within different areas of the room is not utilized by Team IMAGE DATA. Errors are virtually eliminated by employees working side-by-side to ensure that process or product deficiencies are reported to the previous station. This flow enables the Lean Cell to find and correct deficiencies instantly, ensuring that the correction is made at the time of occurrence. In addition, our Lean Sigma work cells process the information in smaller batches, resulting in faster net throughput times. Fast processing times promote the turnaround times required and ensures quality assurance checks continue to be completed in conjunction with deliverable times. Team IMAGE DATA will create a lean cell for each unique task order under this agreement.

Lean Sigma continuously improves overall production and eliminates errors resulting in providing the Town of Scituate higher quality images and data with the highest accuracy levels and at the same time lowering overall costs to our clients.

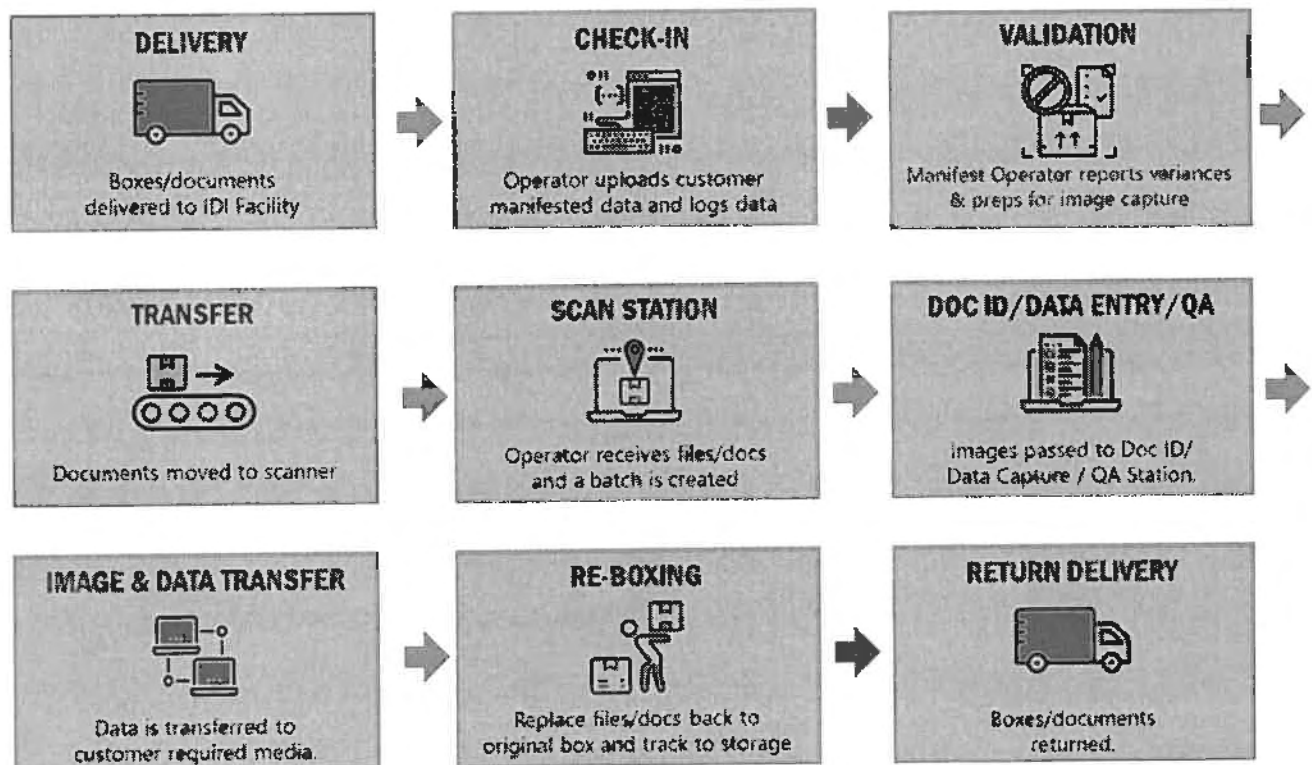
#### Sample Lean Cell Design



## Production Planning and Process Control Activities

The Production phase commences with the transfer of project knowledge from Ramp up to production personnel through systematic training. A team of cross-functional personnel carries out the production activities. This team is dedicated to meet the customers' requirement in terms of quality, timeliness and other deliverables. The cross-functional team contains expertise for document preparation, conversion instruction, ramp up, software, and production planning activities.

The initial activity in the production phase is the creation of the project management/implementation plan that describes the quality objectives, the project deliverables, project schedules, resource requirements, training schedules, risk assessment, risk mitigation plans and individual responsibilities towards meeting the project targets and deliverables.



**The following are examples of quality measures within the project:**

**Document Preparation - Paper Audit (If warranted)**

- IDI will insert a “File Level” barcode sheet as well as “Document Type” barcode labels on the various document types within the file.
- Paper files will be audited to validate the document preparation process is complete and accurate prior to being sent to the scanning area.

**Scanning – Attended Mode QC**

- Scan in “Attended Mode” to assure that the best quality image is rendered
- Visually inspects each image as it is captured and interrupt scanning if any issues that comprise image quality are detected such as double feeds, folded corners, light images, dark images etc.
- While attended mode scanning is slower than unattended scanning, it provides the first line of image quality control and avoids re-scanning documents.
- IDI utilizes auto-blank page deletion when dropping the back side/page of a paper document with no content. This process is over 99% effective/accurate provided the backs are clean of smudges and darkened areas. With this process, backs with content will not be deleted but backs that have content, dark areas, or smudges will remain and be part of the image transfer stream.

**Image Clean-up Processes**

- Image processing includes de-skew, de-speckle, black border removal and crop.
- IDI utilizes state of the art production scanners and image processing technologies to render the best possible electronic document images comparable to the quality of the original documents.
- Set-up entails scanner adjustments to assure the accurate and complete capture of the documents.

**Post Scan Automated QC**

- QC steps are looking for a corrupt image, large image file size, etc.
- In addition other steps are typically introduced which may include:
- Manually review blank backs and delete.

**Post Scan Visual QC**

- After the automated QC has completed, a QC operator will perform visual QC of images and data prior to sending the batch to “Release”. This is a random effort after all errors in the process have been corrected.

**Workflow QC**

- If discrepancies are found within a batch in any step of the conversion process, then the entire batch is directed to Quality Control Module and re-processed to correct identified issues.

**Post Release QC**

- An automated process is run against the batch to ensure all images and data have been written properly and none are corrupt.

## TOWN OF SCITUATE Pricing Summary

Scituate, MA							
Document Assessment Billed Through SHI							
	Boxes	Folders	11X17 or smaller Images (small)	Larger than 11X17 Images (large)	Small Cost per Image	Large Cost per Image	Estimated Cost
Building Documents	80	16,000	600,000	100,000	\$ 0.132	\$ 1.69	\$ 248,200.00
Pick-up							\$ 477.00
Return							\$ 477.00
One time set-up							\$ 556.50
	80	16,000	600,000	100,000	Totals		\$ 249,710.50

Note: Pricing is based on the document samples reviewed and outlined in this proposal. Other documents not described for these same and other departments may need review for valid pricing points.

IDI expects documents to be in orderly condition, not damaged by water or other contaminants, with easily identifiable index fields and light to medium prep of documents. If these conditions do not exist, boxes may be rejected, or price increase may apply.

Above is the complete list of services priced in this agreement. Other services required and not outlined in this enclosure should not be implied.

Pricing is based on the quantities listed in this proposal. If the images are more or less than 10% of the assumed quantities, the per-image price is subject to change based on the number of images actually submitted.

# Authorization & Agreement

The **Town of Scituate** hereby agrees to the procedures outlined above and authorizes Image Data to proceed with the project.

Note: pricing is based on the quantities listed in this proposal. If the images are more or less than 10% of the assumed quantities, the per-image price is subject to change based on the number of images actually submitted. Pricing is also based on site review and specifications included in this proposal.

In witness whereof, this agreement has been executed by a respective signatory of each party whose signature appears below and is on the date of this Agreement duly authorized by all necessary and required corporate action to execute this agreement.

Customer: Town of Scituate  
Address: 600 Chief Justice Cushing Hgwy  
Scituate, MA 02066

Vendor: Image Data, Inc.  
Address: 18 Petra Lane  
Albany, New York 12205

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

Name: Laurie Green

Printed: \_\_\_\_\_

Printed: Laurie Green

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

Title: Senior Account Executive

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

Date: October 9, 2020





***Scanned Image Processing Service  
Proposal prepared for***



**Town of Scituate, MA**

October 13, 2020  
Pricing valid for 2 months

Solutions Account Executive: Bruce Cadman  
518-441-6496  
[BCadman@generalcode.com](mailto:BCadman@generalcode.com)

781 Elmgrove Road, Rochester, NY 14624

Toll Free: 855.436.2633

[cms.generalcode.com](http://cms.generalcode.com)

## DOCUMENT CONVERSION / PROJECT DELIVERABLES / INVESTMENT DETAIL

### DOCUMENT CONVERSION PROJECT

Reference is made to the Record Scanning Services Proposal between Image Data, Inc. ("Image Data") and the Town of Scituate ("Town") dated as of October 8, 2020 ("Image Data Proposal").

### PROJECT DELIVERABLES

The following deliverables are included in your project pricing. This price is based on the Project Assumptions as set forth in the Image Data Proposal.

- The document conversion services associated with the project will be performed by Image Data.
- Upon completion of the scanning and indexing portion of the project by Image Data, Image Data will upload the image files and index data to General Code.
- General Code is not responsible for the accuracy and quality of the images (e.g., black borders, skewed images, blurry images, non-legible images, etc.), index data or other errors on the scanning portion provided to General Code by Image Data.
- One (1) copy of the Laserfiche Viewer formatted documents will be provided on removable media.

### INVESTMENT DETAIL AND DEPT BREAKDOWN

Our price is based upon the information contained in the Image Data Proposal and is valid for 6 months from the date of this Proposal.

Scituate, MA				
	Est. of Images	Est. of Documents	Unit Price	Extended Price
<b>Document Keying/Indexing</b> on selected documents for population of template fields, creation of document naming and folder structure.		16,000	\$ 0.075	\$ 1,200.00
<b>Data Processing/Upload services</b> on all records into Laserfiche, including applying templates and indexing to images, file naming and folder structure creation.	700,000			\$ 35,000.00
Full OCR on all Images	700,000		\$ 0.006	\$ 4,200.00
SHI Option (Estimated)	SHI Option (Estimated)			\$ 2,496.00
<b>Delivery Fee</b> per delivery for processing, copying, delivery and upload of backfile documents.(Estimated Delivery counts)		4	\$ 300.000	\$ 1,200.00
<b>Project Management and other related services</b> including job setup, creation of file structures and database (as applicable) and Laserfiche viewer containing images and data on removable media.				<i>Included in per-image price</i>
<b>Total Indexing, Processing/Upload Pricing:</b>				\$ 44,096.00

### Document Indexing/Processing Specifications

Document Type / Description	Est. of Images	Est. of Documents
<b>Document Assessment</b>	700,000	16,000
<b>Index Field(s)/Keying</b>	Address and Parcel ID	
<b>Who is Keying/Indexing</b>	GC	
<b>Document Naming Convention</b>	Address	
<b>Document Organization (Folders)</b>	Property\[Alpha]\[Street]\[Address]\file	
<b>Microfilm needed?</b>	No	
<b>Comments / Special Instructions</b>	Full OCR on all images	

**PROJECT MANAGEMENT AND OTHER SERVICES**

- Our charge includes project management and assumes that all of the documents contained in this project will be imaged and provided by Image Data to General Code.
- Project Management will include job setup, creation of file structures and databases (as applicable) and Laserfiche Viewer containing images and data on removable media.
- Placement of the shipped documents in the Town’s repository will be performed as a courtesy service upon request of the Town.
- To schedule the placement of the documents, please contact Mike Rizzo at 855-GEN-CODE.

PROJECT	VENDOR	DESCRIPTION	EXTENDED PRICE
<b>Scituate, MA</b>			
	General Code	<u>Processing/Keying/Uploading of Scanned Images</u>	\$ 44,096.00
<b>TOTAL eIMAGING:</b>			\$ 44,096.00

## AUTHORIZATION & AGREEMENT

The **Town of Scituate, MA** hereby agrees to the procedures outlined above, to General Code's Document Management Solution Terms & Conditions which are available at <http://cms.generalcode.com/terms-conditions> and are incorporated herein by reference as they apply to this proposal, and authorizes General Code to proceed with the project.

***Fee to Process Images into Laserfiche: \$44,096.00***

**Payment Schedule:**

General Code will invoice the Town for processing services upon shipment of each batch of the scanned documents to the Town.

**Performance Schedule:**

The project will be completed within 90 days of General Code's receipt from Image Data of all materials necessary to complete the project.

---

***(Client please fill out) Invoice for this Project to be sent to:***

**Department:** \_\_\_\_\_ **Contact Name:** \_\_\_\_\_

---

**TOWN OF SCITUATE, MA**

By: \_\_\_\_\_ In the Presence of: \_\_\_\_\_

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

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

**GENERAL CODE CMS, LLC**

By: \_\_\_\_\_ In the Presence of: \_\_\_\_\_

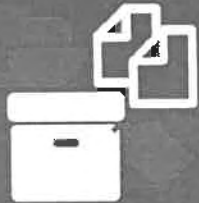
Title: \_\_\_\_\_ Title: \_\_\_\_\_

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

***In order to authorize the project:***

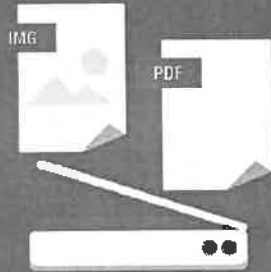
- 1. Sign the Proposal***
  - 2. Fax or email the Authorization & Agreement Section only to: [ICCCDS@generalcode.com](mailto:ICCCDS@generalcode.com) • fax (585) 328-8189***
  - 3. Mail the signed Proposal to General Code at: 781 Elmgrove Road • Rochester, NY 14624***
- General Code will then sign and mail a copy of this agreement back to the Town for its records.***

## Pick-Up & Pre-scanning Preparation



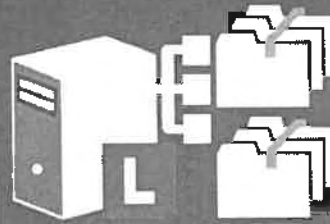
- Documents arrive at Image Data
- Customer manifest reviewed and boxes logged
- File data input into Pulse
- Manifest operator reports to customer any variances between manifest and actual documents received
- Stage documents for image capture and preparing

## Scanning



- Operator scans files
- Batches created for tracking purposes

## Post-Scanning Indexing & Organizing



- Images passed to Doc ID
- Index data capture
- Images to QA station for review
- Pulse updated



## General Code Image Processing & Transfer



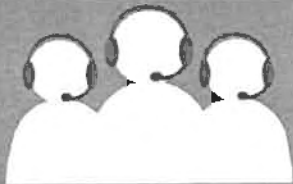
- Upload imaging and index files received from Image Data
- Contact town to determine file structure and indexing field names
- Create file structures
- Process image and index data into Laserfiche Viewer format

## Delivery & File Back-Up



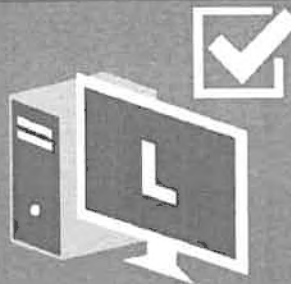
- Provide delivery and file back-ups through Laserfiche Viewer on removable media
- Upload images and templates to Town's Laserfiche system upon request
- Image Data will return original documents upon completion

## User Authorization Receipt



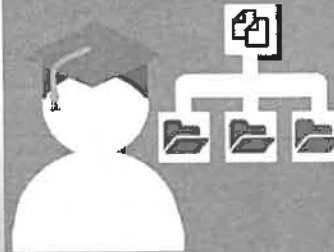
- Project Manager reviews project with Town Contact
- Discuss proposed schedule and date
- Discuss hardware purchases and dates for installation, if needed
- Answer questions regarding project

## System Implementation



- Install and configure Laserfiche
- Complete system testing
- Establish initial set of templates (indexes)
- Configuration of user group and security rights

## Software Training

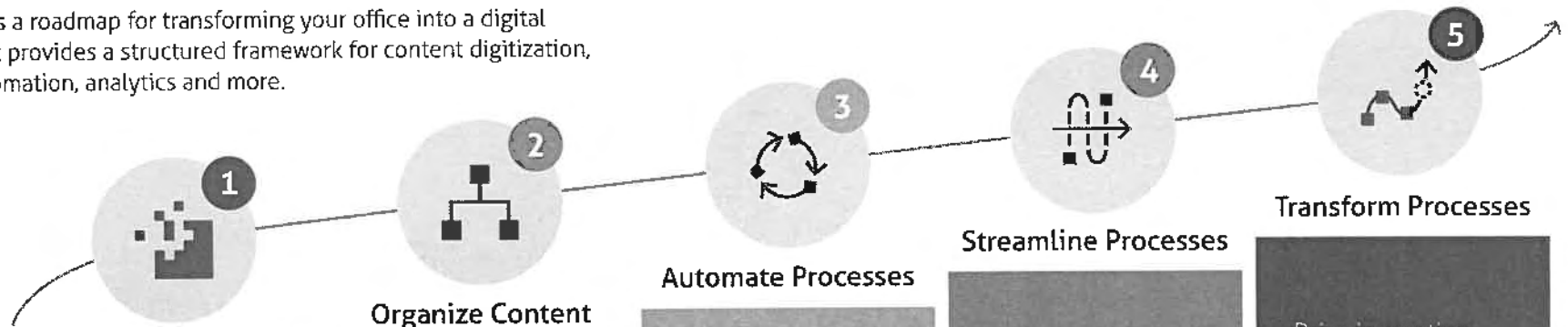


- Training for users
- Training for administration
- Discuss folder structure and file naming best practices

**GENERAL  
CODE**  
Content Management

# Digital Transformation Model

This model is a roadmap for transforming your office into a digital workplace. It provides a structured framework for content digitization, process automation, analytics and more.



## Digitize Documents

Create an electronic filing cabinet by converting your documents from paper to digital.

## Organize Content

Easily categorize your documents and manage them in a secure, central location.

## Automate Processes

Improve accountability by digitizing your business processes with easy-to-use electronic forms.

## Streamline Processes

Gain more visibility into your operations and increase the efficiency of cross-functional processes.

## Transform Processes

Drive innovation by leveraging predictive analytics and insight to transform processes.

### KEY PAIN POINTS

- Excessive storage and retrieval costs
- Risk of losing important documents
- No control over who can access what documents
- A paper-heavy office

- Paper-based data entry
- No central access to documents
- Difficulty finding documents
- Redundant work activity

- Time-consuming, manual processes
- Inconsistent, disorganized business processes
- Lack of data integration between applications
- Difficulty complying with regulations

- Cumbersome, complex processes
- Lacking data policy oversight
- Difficulty determining staffing levels
- Minimal process visibility

- Limited analytics for gaining business insight
- Processes are not aligned with business needs
- Change management costs

### REWARDS

- Reduce document storage expenses
- Secure critical documents with disaster recovery
- Easily manage access to sensitive content
- A paperless office

- Minimal data entry and reduced human error
- Centralized, secured document access
- Enable document collaboration
- Fewer duplicate work tasks

- Increased productivity and elimination of manual tasks
- Standardized, mapped-out processes
- Easy integration between applications
- Simplified compliance that addresses regulatory concerns

- Streamlined, simplified business processes
- Improved compliance, data oversight and data quality
- Ability to reach optimal staffing levels using prescriptive analytics
- Increased vision into process health and performance

- Predictive analytics create new ways to improve doing business
- Processes are built for growth and to support organizational goals
- An agile business ecosystem



## Laserfiche Cloud

Laserfiche Cloud is a Software as a Service (SaaS) solution that provides a central digital repository accessible from anywhere.



## Laserfiche Cloud at a Glance

- Upload, view and modify content in a streamlined fully responsive web interface
- Create new documents and digitize existing archives
- Work with documents in a secure, digital document repository
- Facilitate compliance and reduce risk management with built-in-audit reports
- Manage, create and set up security rights from one administrative login
- Connect your repository to productivity applications with built-in Microsoft Office® integration
- Schedule bulk import and archival of paper and electronic documents
- Automatically share, process and update forms and customer data with the included Laserfiche Integration with Laser App®
- Integrate other third-party applications—including most CRM systems—with one click using Laserfiche Connector, a code-free integration tool

## Capture Documents From Any Device

Laserfiche Cloud makes it easy to centralize paper and electronic files from multiple devices.

- **Scanning:** Convert paper records to imaged files on demand by connecting your scanner to Laserfiche Cloud with the Laserfiche Scanning tool
- **Digital Capture:** Reduce back-office work by saving to default folders with one click, auto-importing documents and automatically populating metadata
- **Mobile Capture:** Turn photos taken on phones and tablets into searchable, secure documents

## Simplify Process Management

Save hours of staff time with built-in business process management tools that boost staff productivity and simplify task management for resource-intensive, multi-department processes including invoice processing, travel and expense management and contract management.

- **Electronic Forms:** Create and publish customized e-forms that require no coding or scripting
- **Work Automation:** Kick off routing and approval workflows when e-forms are submitted
- **Process Management:** View dashboards and reports of all submitted forms, pending and complete tasks and approval histories
- **Mobile Integration:** Review and approve submitted forms from any mobile device to keep business processes moving forward no matter where you are

*Intuitive folder structures and a responsive user interface enable secure document access on any device.*

## Enable Rapid Adoption With User-Friendly Features

Get employees, customers, contractors and third parties using digital documents quickly with repositories that provide filtered, personalized views of files and options.

- **Custom User Views:** Filter by recently opened, frequently used and active documents
- **Rich Search:** Instantly retrieve documents with quick and advanced search options tailored to individual users' security rights
- **Robust Metadata:** View and modify all document metadata, annotations, fields and other modifications in a single user-friendly pane

*Update documents, redact confidential information and change document metadata from one place.*

## Protect Documents With Robust Auditing And Security

Bring control and transparency to your operations with built-in tools that manage the use of information assets stored throughout your Laserfiche Cloud system.

- **Automatic Auditing:** Automatically generate reports of user actions, document access and modifications
- **Built-in Disaster Recovery:** Perform system backups automatically without user intervention
- **Granular System Security:** Control user actions and document access down to the metadata level from a streamlined administration account
- **Digital Signatures:** Post signing requests to DocuSign® to sign documents directly from Laserfiche Cloud

# Laserfiche®

## Run Smarter™

### About Laserfiche

Laserfiche Enterprise Content Management transforms how organizations manage information, automate document-driven business processes and make timely, informed decisions. Using Laserfiche, organizations can innovate how documents and unstructured information are processed and analyzed to achieve business results. Laserfiche provides intuitive solutions for capture, electronic forms, workflow, case management, cloud, mobile and government-certified records management. Since 1987, Laserfiche has been the trusted choice of more than 36,000 organizations worldwide.

### Your Next Step

**Read White Papers and Case Studies**  
[laserfiche.com/cloud](http://laserfiche.com/cloud)

**Get a Demo**  
(800) 985-8533

**Contact Us**  
[cloudinfo@laserfiche.com](mailto:cloudinfo@laserfiche.com)

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# Town of Scituate

Plymouth County

---

## Enterprise Content Management System

October 14, 2020

Valid for 3 months



**Bruce Cadman**  
**Director of Sales**  
**518-441-6496**

**[BCadman@generalcode.com](mailto:BCadman@generalcode.com)**

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## LASERFICHE CLOUD LICENSE OVERVIEW

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The Laserfiche Cloud license introduces a straightforward annual or monthly fee including software licenses, hosted storage, technical support and software updates. The licensing option provides a Software as a Service (SaaS) solution hosted on Amazon Web Services.

- 100 GB Storage Per User
- Windows, Web and Mobile Clients
- Audit Trail
- Laserfiche Connector
- Import Agent
- Microsoft Office Integration

### Laserfiche Cloud Product Description

Laserfiche Cloud is a Software as a Service (SaaS) solution which provides a central digital repository accessible from anywhere. With Laserfiche cloud you can upload, view, and modify content within a streamlined fully responsive web interface. In addition to the central repository, below are some of the great features that come with Laserfiche Cloud.

- **Laserfiche Connector:** Provides a non-code means for integrating Laserfiche with line-of-business applications.
- **Web Access:** Enables user to access content through a web browser.
- **Import Agent:** Monitors network folders and imports files into the Laserfiche System. Upon import, this utility can perform OCR as well as index and route documents based on the Window's file path or file name.
- **Audit Trail:** track activities performed in a Laserfiche repository and generate reports. Auditing helps to show compliance with legal regulations and contributes to the security of the Laserfiche repository.
- **Microsoft Office Integration:** Integration with Microsoft Office® Suite. Allows for direct content import as well as indexing capabilities. As a part of this integration, emails and attachments stored in Outlook can be imported to the repository with a single click and auto-indexed with information such as sender, subject, time received, etc.
- **Built-In Disaster Recovery:** Perform system backups automatically without user intervention. Documents are backed up 6xs a day with the most recent 3 backups available for a minimum of 14 days.

### On-Premises Add-ons

- **Quick Fields:** An advanced automated data capture solution.
- **ScanConnect:** Enables the use of ISIS scanning drivers with Laserfiche scanning.

## Updates

On a monthly basis Laserfiche adds features and performance enhancements to an existing version of its software known as "updates." Licensee will receive all updates as released.

## Access to Online Support Resources

The Laserfiche Support Site contains detailed technical information to increase your product knowledgebase. The Laserfiche Cloud Help Files contain useful information to help you get started with your Laserfiche Cloud account. Laserfiche also has numerous help videos which walk you through the product to help you become more familiar and comfortable with all of the different features. Additionally, Laserfiche Cloud Answers is an online forum that allows Laserfiche Cloud subscribers to collaborate on ideas and solutions.

## Pricing/Services

Product	Description	Quantity	Unit Price	Total Price
Users	Laserfiche Cloud Full Users	10	\$830.00 per user	\$8,300.00
Storage	100 GB per user included (Overages will be \$300 per 100 GB annually)	-	-	-
GSAP	General Code Support	10	\$114.00	\$1,140.00
Public Portal	1000 views per month	1	\$600.00	\$600.00
Install and Training	On-site days	2	\$1,950.00	\$3,900.00
Remote Configuration	Remote	1	\$500.00	\$500.00
Project Management	Project setup - Remote	1	\$300.00	\$300.00
Total				<b>\$14,740.00*</b>

*Year 2 for the above Laserfiche Cloud solution: \$10,040.00*

*This contract includes training for basic repository usage and administrative configuration. If/when the client wishes to implement the additional modules include with their licenses, there will be additional development, configuration and training time required. These additional service fees would not apply until you are ready to implement additional components.*

### **\*STATE CONTRACT OPTION THROUGH SHI:**

- Pricing above does not include the SHI surcharge at this juncture.
- When the Town is ready to proceed with this project, a proposal can be created that will include the current SHI State Contract fee for this particular project.
- For budgeting purposes, we recommend that the Town budget an *estimated* 5% for this additional surcharge.

## AUTHORIZATION & AGREEMENT

The Town of Scituate, Plymouth County, Massachusetts hereby agrees to the procedures outlined above, to General Code's Content Management Solutions Terms & Conditions and to the License Agreements for the software referred to above, all of which are available at <http://cms.generalcode.com/terms-conditions>, and are incorporated herein by reference, and authorizes General Code to proceed with the project.

**Electronic Document Management Project** **\$14,740.00\***

*Estimated Annual support fee second year forward (LSAP): \$10,040.00*

**Note:** *This estimate is subject to change based upon the then-current support prices for that year and does not include Optional Components*

**OPTIONAL COMPONENTS**

- State Contract Option (for the base project):** **\$737.00**  
*(For any options added to the base project, add 5% surcharge for State Contract option.)*

**Please process this agreement through a State Contract Option**

*Procurement of this contract will utilize a service for pricing and payment terms only. Upon receipt of General Code's signed agreement, a formal quote will be issued by servicing organization to the Town. The Town will issue a P.O. to said servicing organization, and all invoicing and payments will be conducted between this servicing organization and the Town. Delivery of products, installation, training and support will be conducted by General Code.*

**PLEASE NOTE:**

***If this option is not selected and included below, the Town is solely responsible for soliciting and obtaining respective quote(s) directly from the State Contract Vendors and providing General Code with a Purchase Order. If General Code is required to become involved in said solicitation process, an appropriate service fee will be imposed via Change Order.***

*This contract includes training for basic repository usage and administrative configuration. If/when the client wishes to implement the additional modules include with their licenses, there will be additional development, configuration and training time required. These additional service fees would not apply until you are ready to implement additional components.*

<b>Electronic Document Management Solution:</b>	<u>\$14,740.00</u>
<b>Optional Component(s) if offered and selected:</b>	+ \$ <u>                    </u>
<b>Estimated Total Investment:</b>	<u>\$                    </u>

**SOFTWARE ORDER, PAYMENT AND PERFORMANCE SCHEDULE**

- \$10,040.00 shall be invoiced upon Laserfiche Cloud activation
- \$4,700.00 of the project price shall be invoiced upon completion of the installation and training.



---

**(Client please fill out) Invoice for this Project to be sent to:**

**Department:** \_\_\_\_\_ **Contact Name:** \_\_\_\_\_

---

**TOWN OF SCITUATE, PLYMOUTH COUNTY, MASSACHUSETTS**

**By:** \_\_\_\_\_ **In the Presence of:** \_\_\_\_\_

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

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

**GENERAL CODE, CMS, LLC**

**By:** \_\_\_\_\_ **In the Presence of:** \_\_\_\_\_

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

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

***In order to authorize the project:***

- 1. Sign the Proposal**
- 2. Fax or email the Authorization & Agreement Section only to: [ICCCDS@generalcode.com](mailto:ICCCDS@generalcode.com) • fax (585) 328-8189**
- 3. Mail the signed Proposal to General Code at: 781 Elm Grove Road • Rochester, NY 14624**

***Upon request General Code can sign and mail a copy of this agreement back to the Municipality for its records.***

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## APPENDIX A – INSTALLATION, TRAINING AND SUPPORT

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### Pre-Installation Teleconference and Technical Review

Prior to the on-site installation and training, one of General Code's technicians will work with your technical staff or consultant to review the hardware and other technical requirements and ensure that all hardware is ready for the installation. We will also work with your designated contact person to establish the agenda for the on-site days.

### Customized, Hands-On Training

General Code provides practical hands-on training sessions to ensure that your users keep pace with "best practices" and that your Laserfiche system continues to provide your organization with the maximum efficiencies possible. Our training experts will come on-site to your facility and provide thorough training for your staff with manuals customized to your specific system and needs. Whether you are a new Laserfiche user or an existing user seeking refresher training, we pride ourselves on maintaining a team of trainers who can relate to users at any level of expertise.

**Our standard Laserfiche user training** covers the basic functions of the program and provides you with the necessary skills to put the system into immediate use. Based on the file organization and file naming structures that were determined by your organization, the training covers input, search and manipulation features using your documents to address file-organization and file-naming structures

**Administrator Training** covers the system administrative functions and typically takes place throughout the on-site sessions, as appropriate.

### TECHNICAL SUPPORT

Technical Support covers all questions that might arise with your Laserfiche system should a technical issue arise. Technical Support covers the installation of software patches and minor upgrades, as appropriate.

The first line of technical support is via telephone, using our toll-free number (855-436-5500) or via e-mail at [lfsupport@generalcode.com](mailto:lfsupport@generalcode.com). With Basic LSAP service, technical support requests not immediately addressed will be acknowledged within 8 business hours, with the majority of response times within 2 hours. General Code's support technician will discuss the issue with you. If there are more detailed diagnostics needed, the technician will log into your system remotely, using the Internet. In this way, the technician can see what the user is seeing, do diagnostics, and generally remedy the situation remotely during this initial contact. In situations that require additional research or work by the technician, we will let you know what still needs to be done, along with a timeframe for getting back to you. You will also receive a Case number for future reference. By providing remote diagnostics and remediation to our clients, we can provide you with quick resolution of your issues to keep you up and running.

**SOFTWARE PATCHES AND UPGRADES:**

In addition to receiving technical support, customers with a current LSAP/SAAS contract will receive **critical program updates within the current version of Laserfiche**. This is extremely important because Laserfiche is continuously improved to be even more powerful and efficient. You will receive routine system updates released by the manufacturer after a period of additional General Code in-house testing, as applicable. These patches and software upgrades are available for download at our FTP site. Customers are given the option of applying the patches themselves or having one of our Laserfiche technicians apply the patch remotely.

There is no additional cost for the installation of minor software updates or patches (typically called 'point releases'). Major software updates (typically called 'version releases') may have associated service charges to install, upgrade, or to migrate your Laserfiche software to the new major release level. Related training on new functionality of the upgraded software may also have associated service charges. Any additional charges will be outlined and quoted to you in advance.

Services covered under Support:

- Remote troubleshooting and repair to the best of our ability of any errors generated by Laserfiche
- Remote troubleshooting and repair to the best of our ability any Laserfiche functionality that is not working
- Provide and remotely apply minor patches/point releases on an as needed basis
- Respond to request calls within 8 business hours, if not immediately
- Provide technical support between the hours of 8:00 AM - 5:00 PM EST
- Provide access to all major and minor patches provided by Compulink Laserfiche
- Access to TIPS and FAQs on the General Code website
- User group meetings
- Access to Laserfiche's knowledgebase
- Regular newsletters - Laserfiche & The Decoder
- Access to webinars

Services not covered under Support:

- Training - New user or refresher training - either on-site or remote
- Repair of damaged databases
- Establishment of SQL maintenance plan
- Addition of custom features or functionality to the software
- Support or troubleshooting of third party software
- Faults or problems caused by unauthorized access to configuration information or changes to components by the user or a third party.
- Installation, Migration, Upgrading of software related to major software releases
- Problems or faults caused by use of the product outside its normal operating conditions.

- On-site technical support, unless it is specifically included as part of the selected Agreement or funded by the Customer on a per-day basis as part of a signed Change Order.
- On-site consulting or training, unless it is specifically included as part of the selected Agreement or funded by the Customer on a per-day basis as part of a signed Change Order.

Customer's Obligation:

---

- To contact General Code prior to implementing significant network changes that has the potential to impact the Laserfiche system. Some examples are, operating system changes on either the server or PC, replacement of existing PCs or server(s), and changes in network configurations, such as server name, IP address or workgroup on PCs.
- To have Internet access on the Laserfiche server and all workstations where the Laserfiche client is installed and be willing to allow our Support Technicians remote access to the Customer's Laserfiche system via GoToAssist or other acceptable remote access tool.
- To designate an IT contact and to provide the name, phone number and e-mail address on the registration form.
- To describe technical issues completely in order to provide General Code's Support Technician sufficient information to be able to diagnose and reproduce the problem, including any identified error codes.

# Laserfiche Cloud Factsheet

Laserfiche Cloud is a Software as a Service (SaaS) solution that provides a central digital repository accessible from anywhere.

- Deploy document management solutions via SaaS to get up and running quickly
- Reduce startup, infrastructure and IT administration costs
- Manage and control files seamlessly across your organization, regardless of where and how they are accessed
- Maintain compliance with robust security and auditing features

## Capture Documents from Any Device

Laserfiche Cloud makes it easy to centralize paper and electronic files from multiple devices.

- **Scanning:** Convert paper records to imaged files on demand by connecting your scanner to Laserfiche Cloud with the Laserfiche Scanning tool
- **Digital Capture:** Reduce back-office work by saving to default folders with one click, auto-importing documents and automatically populating metadata
- **Mobile Capture:** Turn photos taken on phones and tablets into searchable, secure documents



Intuitive folder structures and a responsive user interface enable secure document access on any device.

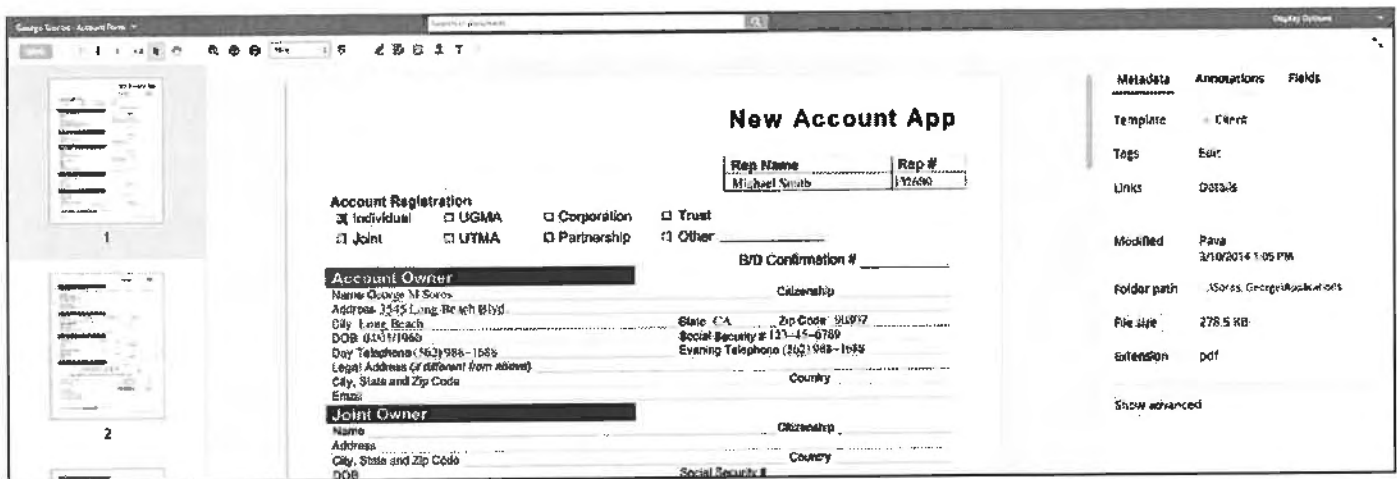
## Product Highlights

- Upload, view and modify content in a streamlined, fully responsive web interface
- Create new documents and digitize existing archives
- Work with documents in a secure, digital document repository
- Facilitate compliance and reduce risk management with built-in audit reports
- Manage, create and set up security rights from one administrative login
- Connect your repository to productivity applications with built-in Microsoft Office integration
- Schedule bulk import and archival of paper and electronic documents
- Automatically share, process and update forms and customer data with the included Laserfiche Integration with Laser App®
- Integrate other third-party applications with one click using Laserfiche Connector, a code-free integration tool

# Enable Rapid Adoption with User-Friendly Features

Get employees, customers, contractors and third parties using digital documents quickly with repositories that provide filtered, personalized views of files and options.

- **Custom User Views:** Filter by recently opened, frequently used and active documents
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- **Robust Metadata:** View and modify all document metadata, annotations, fields and other modifications in a single user-friendly pane




Update documents, redact confidential information and change document metadata from one place.

## Protect Documents with Robust Auditing and Security

Bring control and transparency to your operations with built-in tools that manage the use of information assets stored throughout your Laserfiche Cloud system.

- **Automatic Auditing:** Automatically generate reports of user actions, document access and modifications
- **Built-in Disaster Recovery:** Perform daily system backup powered by Amazon Web Services
- **Granular System Security:** Control user actions and document access down to the metadata level from a streamlined administration account

## Your Next Steps

 **Contact Us**  
(800) 985-8533

 **Get a Demo**  
laserfiche.com/demo

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Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
37	Marine Unit Repowering & Safety Equipment	2022-210-01	Police	2022	GF	\$ 77,661	
			<b>Total</b>			<b>\$ 77,661</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-210-01
Project Title:	Marine Unit Re-Powering & Safety Equipment
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                    Multiyear [ ]      Phase - Final

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

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 26' 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 be 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 through our summer 2020 boating season. The vessel was received from the Coast Guard with approximately 1,700 hours on its twin-outboard motors. Since acquiring the vessel, the department has logged nearly 1,500 additional hours. Anticipated useful life for these motors is 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 Scituate Police Safe Boat with twin 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:**

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

This project will safeguard the ongoing critical, 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. The current motors are about to surpass 3,000 operational hours. The average, reliable life span for 2-stroke marine motors is 2,500-3,000 hours. These 12-year old motors are already in excess of that mark and failure to replace these motors will most likely result in the unit become inoperable.

**Discuss Operating Budget Impact:**

*Explain the project's short- and long-term impacts on the community's operating budget - this is not the cost of the project but ongoing cost for maintenance, operation that will need to come from your operational budget in the future (oil changes, filters, fuel, maintenance contracts etc...).*

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
		FY2022	FY2023	FY2024	FY2025	FY2026	
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	\$69,340	\$69,340					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$8,321	\$8,321					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$77,661</b>	<b>\$77,661</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	\$77,661	\$77,661	\$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





# 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	10-15-20
Time	13:57:04

SCITUATE POLICE  
800 CJC HIGHWAY  
SCITUATE, MA 02066  
Home: 781-831-4423  
Work: 781-831-4423

## Quote Sheet

Deal Number	2010151344
Customer Number	7818314423
Invoice Number	0
Salesclerk	WHE
Delivery Date	

Customer email : bmcauley@scituatema.gov			
OUTBOARD	A - New -2021 YAMAHA MOTOR CO F250UCA	Stock# DOB3335	22,420.00
	Vin#	4.2L DEC FOUR STROKE 30"	
OUTBOARD	B - New -2021 YAMAHA MOTOR CO LF250UCA	Stock# DOB3334	23,065.00
	Vin#	4.2L DEC FOUR STROKE 30"	
OUTBOARD	C - New -2021 YAMAHA MOTOR CO CL2MC TWIN	Stock# DOB20930	1,895.00
	Vin#	DEC CONTROL	
	RIGGING LABOR		4,800.00
1 Y	6X6-762B0-00-00	START SW KIT, TWIN ENG, MA	456.87
1 Y	6X6-0E83C-00-00	SGL/TWN DEC KIT 6YC DISP	952.93
2 Y	6X6-8258A-20-00	MAIN ENG HARNESS, 8M	537.86
1 Y	6Y8-82553-31-00	25FT MAIN BUS	109.00
1 Y	6Y8-82521-41-00	9FT PIGTAIL BUS	59.20
1 Y	6GR-6154A-00-00	TILT HELM UNIT	151.67
1 Y	6GR-615A0-00-00	TILT HELM UNIT ASSY	974.93
2 Y	6X9-42401-00-00	POWER STEER CYL AS	5,688.14
2 Y	6X9-8258A-90-00	SCU SPLIT HARNESS	
1 Y	6CF-45B70-20-00	PROPELLER (4X15 X21 -TL)	826.67
1 Y	6CE-45B70-20-00	PROPELLER (4X15"X21-T)	826.67
	TOTAL QUOTE		62,763.94

Wallace Software Solutions (401) 438-3030 • www.wallace1.com

www.monahansmarine.com

Total Quote	62,763.94
Total Deposits	
Total Trades	
Total Payoff	
Total Taxes	

Authorized Signature	Date	BALANCE DUE	\$62,763.94
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• SALES • SERVICE • PARTS & ACCESSORIES

Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
62	Replacement of sailing docks	2022-630-01	Recreation	2022	Rec	\$ 52,315	Recreation Revolving Fund
			<b>Total</b>			<b>\$ 52,315</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/6/2020

Date of Last Edit:

Project Number:2021	2021-630-01	630 Recreation
docks	Sailing docks	
Category:	Equipment	
Department: Recreation Department	Maura Glancy and Nick Lombardo	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:	New (x)	Recurring [ ]	Resubmission [ ]
	Multiyear [ ]	Phase - Final	

**Description:**

The Town of Scituate Sailing program has dilapidated docks, 3 in total. The docks are over 20 years old and been maintained over the years but are at the end of life span and need to be replaced. The project includes 3 floating docks, one 20'x18" and two 22'x15' slanted docks. All the docks are constructed with marine grade materials and galvanized hardware designed for heavy use. All corners are made with extra large inner and outer corner steel supports with built in mooring connection points. Due to the large width to length ratio the design of the docks prevents twisting and extends life service and increase life safety.

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

The sailing program depends on all three docks for boat dockage for use. The Recreation Department uses these docks for the learn to sail program offered every summer for over 25 years and the Scituate Public Schools uses them for their Sailing Team in the spring. Without these docks both the summer Recreation program and spring Scituate Sailing team will not be able to exist.

**Discuss Operating Budget Impact:**

The Recreation Department has provided maintenance on these docks for many years and with the changing marine laws replacement will meet the marine code requirements. The difference will be replacing the styroform floatation with DEP(Department of Environmental Protection) approved floatation material strongly recommended by the Scituate Harbormaster. Replacing these docks should last another 20 plus years and require less overall maintenance yearly. This project could be incorporated with a grant the Scituate Harbormaster submits in the very near future. If that occurs the project will be included in his project when purchasing dock floats. This will be an attempt to save money and buy in bulk.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$52,315	\$52,315					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input checked="" type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$52,315</b>	<b>\$52,315</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>\$52,315</b>	<b>\$52,315</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 Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
41	School Technology	2022-300-01	School	2022	GF	\$ 100,000	
45	Replace Flooring - High School	2022-300-02	School	2022	GF	\$ 250,000	
26	Wampatuck Parking Lot	2022-300-03	School	2022	GF	\$ 303,673	
37	School Technology	2023-300-01	School	2023	GF	\$ 100,000	
45	Replace Flooring - High School	2023-300-02	School	2023	GF	\$ 300,000	
32	Elementary School Sink Replacement	2023-300-03	School	2023	GF	\$ 179,400	
40	Wampatuck Roof Replacement	2023-300-04	School	2023	GF	\$ 1,867,840	
58	Hatherly Roof Replacement	2023-300-05	School	2023	GF	\$ 1,567,800	
40	High School Roof Replacement	2023-300-06	School	2023	GF	\$ 1,000,000	
32	Cushing Parking Lot	2023-300-07	School	2023	GF	\$ 381,225	
38	Jenkins Roof Replacement	2023-300-08	School	2023	GF	\$ 1,200,000	
39	Wampatuck Flooring Replacement	2024-300-01	School	2024	GF	\$ 250,000	
36	Small Gym High School	2024-300-02	School	2024	GF	\$ 450,000	
37	Cushing Portico	2024-300-03	School	2024	GF	\$ 29,900	
34	Hatherly Parking Lot	2024-300-04	School	2024	GF	\$ 405,925	
39	Wampatuck Teachers' Room	2025-300-01	School	2025	GF	\$ 40,000	
37	Hatherly Univents	2025-300-02	School	2025	GF	\$ 500,000	
53	Cushing Window Replacement	2025-300-03	School	2025	GF	\$ 572,000	
36	Main Floor High School Gym	2025-300-04	School	2025	GF	\$ 450,000	
49	New Elem. School to Replace Cushing & Hatherly	2026-300-01	School	2026	GF	\$ 85,000,000	MSBA subsidized
<b>Total</b>						<b>\$ 94,947,763</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-300-01
Project Title:	Technology
Category:	Equipment
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase - Final

**Description:**

*Chromebooks, PC Laptops, and classroom mounted projectors*

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

*Will keep technology current and updated and provide. Many devices will be out of commission and there will be a shortage of equipment for student and staff use.*

**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				
		FY2022	FY2023	FY2024	FY2025	FY2026
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>\$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>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2022-300-02	
Project Title:	Replace Flooring
Category:	Furnishing
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear    [x ]    Phase 2 of 3

**Description:**

Phase 2 of 3: 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.

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

2nd floor classrooms have carpeting that was installed just a few years ago. While it would be nice to tie all flooring together

**Discuss Operating Budget Impact:**

This will save maintenance dollars on stripping and rewaxing floors.

**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>\$250,000</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 MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**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**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023 - 300 - 1	
Project Title: Technology	
Category: Equipment	
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input checked="" type="checkbox"/>	Phase <u>5</u> of <u>5</u>	

**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					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023-300-03	
Project Title:	Elementary School Sink Issue
Category:	Equipment
Department:	SPS
Contact:	Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**Description:**

Cushing, Hatherly and Wampatuck each have a number of sinks that are currently out of order or too old to safely operate. This project would group the plumbing work for all three buildings (saving time and cost) and replacing the inoperable sinks and pipes connecting the sinks to the main.

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

Sinks in classrooms are closed due to lead testing in pipes. Our State started this initiative for testing and then it is on the Districts to finish up and make these classrooms sinks operable and safe.

**Discuss Operating Budget Impact:**

We do not know the extent of this situation as do most districts throughout the Commonwealth.

**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	\$179,400			\$179,400		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$179,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$179,400</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 \_\_\_\_\_ MSBA \_\_\_\_\_

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$179,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$179,400</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					



Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>4. MECHANICAL</b>					<b>WAMPATUCK ELEMENTARY SCHOOL</b>				
<b>4.1 Fire Sprinklers:</b> Sprinklers are not present in the building. Provide Automatic Fire Sprinkler System throughout building and where required under overhangs per NFPA. This includes site work (excavation, water service line installation, back fill, paving and landscaping).	52,000	SF	8	416,000	540,800			540,800	540,800
<b>4.2 Drinking Fountains:</b> Remove original non-accessible drinking fountains and replace in kind with new accessible units.	8	EA	3,500	28,000	36,400			36,400	36,400
<b>4.3 Cooling:</b> Add full air conditioning system to building.	1	LS	1,200,000	1,200,000	1,560,000		1,560,000		1,560,000
<b>4.4 Water and Drainage:</b> Floor drains in boiler room need replacement.	1	LS	2,000	2,000	2,600		2,600		2,600
<b>4.5 Cleaning Equipment:</b> Provide new mop and janitors' sinks. Provide commercial grade cleaner dispensers at required areas.	1	EA	5,000	5,000	6,500		6,500		6,500
<b>4.6 Sinks in Classrooms:</b> Replace existing sinks with new accessible sinks and repair plumbing.	27	EA	2,000	54,000	70,200		70,200		70,200
<b>4.7 Ansul Kitchen Fire Suppression System:</b> Provide a new Ansul fire suppression system at kitchen hoods.	1	LS	20,000	20,000	26,000		26,000		26,000
<b>Total</b>						0	1,665,300	577,200	2,242,500
<b>Total Inflated @ 4% Compounded Annually</b>						0	2,026,092	702,252	2,728,344

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>4. MECHANICAL</b>					<b>HATHERLY ELEMENTARY SCHOOL</b>				
<b>4.1 Sprinkler System:</b> Install new sprinkler system.	41,500	SF	8	332,000	431,600			431,600	431,600
<b>4.2 HVAC System:</b> Provide new complete HVAC system including chillers, boilers, unit ventilators, distribution hydronic piping, and demolition.	41,500	SF	50	2,075,000	2,697,500		2,697,500		2,697,500
<b>4.3 Drinking Fountains:</b> Provide new drinking fountains. Remove original non accessible drinking fountains and replace in kind with new accessible units. Provide additional fountains to meet code.	6	EA	3,500	21,000	27,300			27,300	27,300
<b>4.4 Domestic Water Service and Sanitary Piping:</b> Inspect and scope sewer and domestic water lines to determine repair needs.	1	LS	2,000	2,000	2,600	2,600			2,600
<b>4.5 Ansul Kitchen Fire Suppression System:</b> Provide a new Ansul fire suppression system at kitchen hoods.	1	LS	20,000	20,000	26,000		26,000		26,000
<b>4.6 Cleaning Equipment:</b> Provide new mop and janitors' sinks. Provide commercial grade cleaner dispensers (3) at required areas.	1	LS	5,000	5,000	6,500		6,500		6,500
<b>4.7 Sinks in Classrooms:</b> Replace existing sinks and repair plumbing with new accessible sinks.	21	EA	2,000	42,000	54,600		54,600		54,600
<b>Total</b>						2,600	2,784,600	458,900	3,246,100
<b>Total Inflated @ 4% Compounded Annually</b>						3,163	3,387,892	558,322	3,949,377

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>4. MECHANICAL</b>					<b>CUSHING ELEMENTARY SCHOOL</b>				
<b>4.1 Sprinkler System:</b> Install new sprinkler system.	41,500	SF	8	332,000	431,600			431,600	431,600
<b>4.2 HVAC System:</b> Provide new complete HVAC system including chillers, boilers, unit ventilators, distribution hydronic piping, and demolition.	41,500	SF	50	2,075,000	2,697,500		2,697,500		2,697,500
<b>4.3 Drinking Fountains:</b> Provide new drinking fountains. Remove original non-accessible drinking fountains and replace in kind with new accessible units. Provide additional fountains to meet code.	6	EA	3,500	21,000	27,300			27,300	27,300
<b>4.4 Domestic Water Service and Sanitary Piping:</b> Inspect and scope sewer and domestic water lines to determine repair needs.	1	LS	2,000	2,000	2,600	2,600			2,600
<b>4.5 Ansul Kitchen Fire Suppression System:</b> Provide a new Ansul fire suppression system at kitchen hoods.	1	LS	20,000	20,000	26,000		26,000		26,000
<b>4.6 Cleaning Equipment:</b> Provide new mop and janitors' sinks. Provide commercial grade cleaner dispensers (3) at required areas.	1	LS	5,000	5,000	6,500		6,500		6,500
<b>4.7 Sinks in Classrooms:</b> Replace existing sinks with new accessible sinks and repair plumbing.	21	EA	2,000	42,000	54,600		54,600		54,600
<b>Total</b>						2,600	2,784,600	458,900	3,246,100
<b>Total Inflated @ 4% Compounded Annually</b>						3,163	3,387,892	558,322	3,949,377

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023 - 300- 4	
Project Title:	Wampatuck Roof Replacement
Category:	Construction
Department: SPS	Contact: Robert Dutch, Director Finance & Business

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

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

**Description:**

Replace approx 30,000 square feet of roofing materials. Currently does not leak but parts of the roof are between 20 - 35 years old. This project will allow the community to do a full roof replacement which is intended to proactively address the age and patchwork of this roof.

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

We have very few leaks in this building and have been keeping up with maintenance but eventually this roof will need replacing. If it leaks it will disrupt the Educational Programs within the school. Possible damage to equipment and materials. Possible damage to flooring with uplifting tiles etc.

**Discuss Operating Budget Impact:**

spending maintenance dollars on roofs when could be used elsewhere

**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	\$1,867,840			\$1,867,840		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,867,840</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,867,840</b>	<b>\$0</b>	<b>\$0</b>

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

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

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,867,840</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,867,840</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					

ASSESSMENT

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>2. BUILDING ENVELOPE</b>					<b>WAMPATUCK ELEMENTARY SCHOOL</b>				
<b>2.6 Replace EPDM Roofing System:</b> Existing roofing is nearing its life expectancy and is in need of replacement. Delamination of membrane and active water leaks were observed. Provide new light colored roofing membrane (TPO) over recovery board, insulation, and thermal barrier. Provide new roof to wall flashings. Provide new blocking and fascia to allow for thicker roof assembly with insulation. Raise roof top units as needed, remove obsolete units and cap.	60,600	SF	23	1,393,800	1,811,940	1,811,940			1,811,940
<b>2.7 Roof Fascia Assemblies:</b> Existing fascia shows signs of deterioration and requires replacement. High ceiling spaces have deteriorated flashing sealants.	1,600	LF	25	40,000	52,000	52,000			52,000
<b>2.8 Roof Drainage:</b> Integral gutters are clogged in some areas. Roof drains on flat roof are clogged and not draining properly. Clear debris from existing roof drains and gutters.	1	LS	3,000	3,000	3,900	3,900			3,900
<b>Total</b>						1,884,740	145,496	0	2,030,236
<b>Total Inflated @ 4% Compounded Annually</b>						2,293,074	177,018	0	2,470,093

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023-300-5	
Project Title: Hatherly Roof	
Category: Construction	
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

Multiyear          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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$1,567,800			\$1,567,800		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,567,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,567,800</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 MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,567,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,567,800</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					

ASSESSMENT

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>2. BUILDING ENVELOPE</b>					<b>HATHERLY ELEMENTARY SCHOOL</b>				
<b>2.5 Replace EPDM Roofing System:</b> Existing roofing is nearing its life expectancy and is in need of replacement. Provide new light colored roofing membrane (TPO) over recovery board, insulation, and thermal barrier.	50,000	SF	23	1,150,000	1,495,000	1,495,000			1,495,000
<b>2.6 Provide New Vented Roof Soffits and Fascia Assemblies:</b> All existing soffits and fascia are deteriorated and require replacement with additional vents.	2,000	LF	25	50,000	65,000	65,000			65,000
<b>2.7 Roof Drainage:</b> Integral gutters are clogged in some areas. Roof drains on flat roof are clogged and not draining properly. Clear debris from existing roof drains and gutters.	1	LS	3,000	3,000	3,900	3,900			3,900
<b>2.8 Heat Trace and Snow Guard Bar Assembly:</b> Heat trace cables require reinstallation and testing.	1	LS	3,000	3,000	3,900		3,900		3,900
<b>2.9 Expansion Joint Covers at Lobby:</b> Remove and replace metal expansion joint covers. Ensure a clear space is maintained between building materials within expansion area.	1	LS	3,000	3,000	3,900		3,900		3,900
<b>Total</b>						2,200,250	7,800	0	2,208,050
<b>Total Inflated @ 4% Compounded Annually</b>						2,676,941	9,490	0	2,686,430

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.





<i>Scituate High School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2021	Sidewalk/Pavement Repairs and ADA Site Upgrades*	\$162,018	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement + Routine concrete curb repairs + Correct Priority A accessibility barriers (site arrival points including parking, passenger loading zones and bus stops)
2023	Air Handling Unit Replacement	\$55,952	+ Replace 2 out of 4 air handling units
2023	Interiors Refurbishment	\$693,505	+ Corridor finish refurbishment Kitchen refurbishment + Carpet replacement Repair all Priority 3 interior finish and component deficiencies
2024	Roof Replacement	\$821,694	+ EPDM-membrane roof replacement
2024	Facade Improvements	\$108,311	+ Façade painting and general repairs + Gasket renewal around windows + Renew/recaulk windows and doors + Renew/recaulk expansion & control joints
2026	Emergency Generator Replacement	\$155,740	+ Replace gas-fired generator
2027	Tennis Court Repairs	\$28,376	+ Repair asphaltic sport/tennis court
2027	Pavement Replacement*	\$143,758	+ Localized full-depth asphalt repairs + Repair damaged asphalt curbs + Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement + Routine concrete curb repairs
2028	Boiler Replacement	\$72,800	+ Replace 1 out of 2 boilers
2029	Roof Replacement	\$75,135	+ Gravel surfaced built-up roof replacement



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023-300-7	
Project Title:	Cushing Parking Lot
Category:	Construction
Department: DPW/SPS	Contact: Robert Dutch, Director of finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ x ]    Phase \_\_1\_\_ of \_\_3\_\_

**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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$381,225			\$381,225		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$381,225</b>	<b>\$0</b>	<b>\$0</b>	<b>\$381,225</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>\$381,225</b>	<b>\$0</b>	<b>\$0</b>	<b>\$381,225</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: **Cushing School Paving**

TOWN: SCITUATE

LENGTH:

DATE:

WIDTH

12,620

S/Y

**CHAP 90**

TONS MACHINE WORK

TONS HAND WORK

S/Y Sidewalk

*Updated  
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

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>1. SITE</b>					<b>CUSHING ELEMENTARY SCHOOL</b>				
<b>1.1 Replace Bituminous Paving and Curbs:</b> Replace bituminous paving and curbs at drives and parking areas; replace paving at walks. Provide new play area surfacing and paving at basketball court. Cost includes restriping painted directional markings/crosswalks for drives and granite curbing.	8,700	SY	30	261,000	339,300		339,300		339,300
<b>1.2 Provide Curb Cuts:</b> Provide curb cuts at sidewalks to access parking and loading areas for accessibility.	5	EA	5,000	25,000	32,500		32,500		32,500
<b>1.3 Provide Exterior Signage:</b> Provide post mounted signage to identify parking, and building mounted signage to locate entrance at each exterior door for accessibility.	25	EA	290	7,250	9,425		9,425		9,425
<b>1.4 Provide Additional Site Lighting:</b> There is building mounted and pole mounted lighting. Provide additional pole mounted and building mounted site lighting.	1	LS	25,000	25,000	32,500		32,500		32,500
<b>1.5 Repair Brick Retaining Walls and Rails:</b> Repair and repoint brick site walls. Provide code compliant guard rails at drop offs. Improve drainage of planters to avoid further spalling and displacement of brick retaining walls. Site walls are located at front and rear of building.	1	LS	30,000	30,000	39,000	39,000			39,000
<b>1.6 Provide Concrete Aprons at Entry Doors:</b> Concrete slab aprons at entry doors are too steeply sloped and non-accessible. Many locations have heaved and cracked creating an uneven surface. Replace apron slabs.	8	EA	2,600	20,800	27,040	27,040			27,040



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2023-300-08	
Project Title: Jenkins Roof	
Category: Construction	
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

Full roof replacement. As of this year, the roof will be 20 years old. It has been well maintained and the sloped angle is beneficial for our region. However, despite this, it has begun to leak in some areas. Regular maintenance has helped and small repairs can address the needs as they arise. A roof analysis must first be done to evaluate the extent of the issues. If this project is ultimately approved through MSBA, it would likely be slated for one year. If the project is not picked up by MSBA, it may be phased: Main School, then gym roof

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

Impact would be continuing to patch roof. Leaks in classrooms and gym.

**Discuss Operating Budget Impact:**

Possible SOI for MSBA accelerated replacement program

**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	\$1,200,000			\$1,200,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,200,000</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 MSBA

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

<i>Jenkins School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2021	Roofing Replacement	\$83,725	+ Investigate and repair roof leaks + Asphalt shingle re-roofing
2022	Playground Equipment	\$24,675	+ Replace playground equipment
2023	Sidewalk Repairs	\$36,807	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk
2023	HVAC Upgrades	\$110,888	+ Replace 3 air handling units + Replace 3 air-cooled condensing units
2023	Corridor Renovations	\$215,600	+ Paint corridor walls/trim + Corridor flooring replacement
2023	Kitchen Renovations	\$57,575	+ Paint kitchen walls/trim + Kitchen flooring replacement + Replace kitchen hood wet chemical system
2024	Façade Improvements	\$56,242	+ Recaulk expansion and control joints + Recaulk windows and doors + Gasket renewal around windows + Replace exterior metal insulated doors
2026	Generator Replacement	\$155,740	+ Replace emergency generator + Replace controls for emergency generator
2026	HVAC Upgrades	\$151,155	+ Replace 5 air handling units
2026	Tennis Court Repairs	\$49,350	+ Repair asphaltic sport/tennis court
2026	Pavement Repairs	\$204,487	+ Localized full-depth asphalt repairs + Patching, crack sealing, sealing and striping of asphalt pavement + Repair damaged asphalt curbs
2031	Boiler Replacement	\$463,044	+ Replace two gas-fired boilers
2031	Corridor Renovations	\$223,972	+ Paint corridor walls/trim + Corridor flooring replacement + Replace exterior aluminum and glass doors + Replace interior fire doors
2031	Kitchen Renovations	\$32,900	+ Paint kitchen walls/trim + Kitchen flooring replacement



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024 - 300-01	
Project Title:	Wampatuck Flooring Replacement
Category:	Furnishing
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multyear [ ]    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				
		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>\$0</b>	<b>\$250,000</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>\$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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2020 - FY2024**

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

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

Project Number: 2024-300-02	
Project Title:	Small Gym HS
Category:	Furnishing
Department:	SPS
Contact:	Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [x]    Phase \_\_2\_\_ of \_\_2\_\_

**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				
		FY2020	FY2021	FY2022	FY2023	FY2024
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$450,000					\$450,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</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>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</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**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024-300-03	
Project Title:	Cushing Portico
Category:	Construction
Department:	SPS
Contact:	Robert Dutch, Director of Finance & Business

**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	\$29,900				\$29,900	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$29,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$29,900</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>\$29,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$29,900</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					

ASSESSMENT

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>1. SITE</b>					<b>CUSHING ELEMENTARY SCHOOL</b>				
<b>1.7 Reconnect Irrigation System:</b> Investigate the reuse of an existing fuel oil tank for irrigation water storage. Athletic fields have many bare areas and the fields are in need of maintenance and irrigation. Provide loam and seed at eroded athletic fields. Provide plantings around tank.	1	LS	55,000	55,000	71,500		71,500		71,500
<b>1.8 Repair Concrete and Bituminous Drainage Swales:</b> Replace uneven and poorly draining swales around building perimeter.	350	SY	25	8,750	11,375		11,375		11,375
<b>1.9 Modular Building:</b> Remove and dispose of one double-wide modular building and connector. All exterior wood stairs and landings to modular building are non-code compliant and severely damaged. Existing (double wide) modular buildings have reached their expected useful life and should be removed in their entirety by 2020 as noted by school facility staff.	1	LS	50,000	50,000	65,000	65,000			65,000
<b>1.10 Entry Door Canopies:</b> Prepare, prime and paint existing steel entry canopies and steel support structures.	200	SF	115	23,000	29,900		29,900		29,900
<b>Total</b>						131,040	526,500	0	657,540
<b>Total inflated @ 4% Compounded Annually</b>						159,430	640,568	0	799,998

<sup>1</sup>Total includes Soft Costs (30%): Contingency, Administration and A/E Fees.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2024-300-04	
Project Title:	Hatherly Parking Lot
Category:	Construction
Department: DPW/SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [x]    Phase \_\_1\_\_ of \_\_3\_\_

**Description:**

The Hatherly Elementary School driveway and parking lots (approx. 60,000 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, ADA standard curb cuts are required to access the school. These curb cuts are required to ensure that disabled students can access the building. This deficiency has been noted by the Office of Civil Rights and is required as part of a remediation action with their state office. Phase 2 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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$405,925				\$405,925	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$405,925</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$405,925</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>\$405,925</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$405,925</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					

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>1. SITE</b>					<b>HATHERLY ELEMENTARY SCHOOL</b>				
<b>1.1 Replace Bituminous Paving and Curbs:</b> Replace bituminous paving and curbs at drives and parking areas; replace paving at walks. Provide new play area surfacing and paving at basketball court. Cost includes restriping painted directional markings/crosswalks for drives and granite curbing.	8,500	SY	30	255,000	331,500		331,500		331,500
<b>1.2 Provide Curb Cuts:</b> Provide curb cuts at sidewalks to access parking and loading areas for accessibility.	5	EA	5,000	25,000	32,500		32,500		32,500
<b>1.3 Provide Exterior Signage:</b> Provide post mounted signage to identify parking, and building mounted signage to locate entrance at each exterior door for accessibility.	25	EA	290	7,250	9,425		9,425		9,425
<b>1.4 Provide Additional Site Lighting:</b> There is some building mounted and pole mounted lighting. Provide additional pole mounted and building mounted site lighting.	1	LS	25,000	25,000	32,500		32,500		32,500
<b>1.5 Repair Brick Retaining Walls and Rails:</b> Repair and repoint brick site walls. Provide code compliant guard rails at drop offs. Improve drainage of planters to avoid further spalling and displacement of brick retaining walls. Site walls are located at front and rear of building.	1	LS	30,000	30,000	39,000	39,000			39,000
<b>1.6 Provide Concrete Aprons at Entry Doors:</b> Concrete slab aprons at entry doors are too steeply sloped and non-accessible. Many locations have heaved and cracked creating an uneven surface. Replace apron slabs.	8	EA	2,600	20,800	27,040	27,040			27,040



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2025 - 300-01	
Project Title:	Wampanoag Teachers Room
Category:	Construction
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

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

**Description:**

The Wampanoag Teacher's room is in need of enhancements and upgrades. It is utilized for planning, collaboration and sometimes even meetings. Renovating the room would modernize and enhance the planning space for staff.

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

Fosters good relations with our Teachers makes them feel more comfortable to do planning, have lunch with colleagues and have some quiet time.

**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	\$40,000					\$40,000
Equipment/Furnishings	\$0					
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>

Funding Source(s) Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

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

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

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2025-300-02	
Project Title:	Hatherly Univents
Category:	Equipment
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

In 2015-16, the district replaced all of the unit ventilators in Cushing Elementary School as the top priority identified by the AMERSCO Efficiency study. Hatherly was also identified for unit ventilator replacement and is overdue for this.

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

Fresh air to each individual room. These univents are old and although we clean and change filters it is getting tougher

**Discuss Operating Budget Impact:**

Parts for these older units are becoming harder and harder to procure.

**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	\$500,000					\$500,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</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>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</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**

**Capital Improvement Program: FY2021 - FY2025**

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

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

Project Number: 2025-300-03	
Project Title:	Cushing Window Replacement
Category:	Construction
Department:	SPS
Contact:	Robert Dutch, Director of Finance & Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**Description:**

Existing windows are 1960s single pane windows. They leak and are not energy efficient. Many of the windows no longer open. Fully replacing all existing windows with modern, double pane windows will improve heating and cooling as well as energy efficiency

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

Constant maintenance. No airflow as some of these windows don't open.

**Discuss Operating Budget Impact:**

Maintenance dollars and heating costs going out the window.

**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	\$572,000					\$572,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$572,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$572,000</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 \_\_\_\_\_ MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$572,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$572,000</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					

Work Item Description	Qty	Unit	Unit Cost	Total	<sup>1</sup> Total w/ Soft Costs	Scope 1	Scope 2	Scope 3	Totals
<b>2. BUILDING ENVELOPE</b>					<b>CUSHING ELEMENTARY SCHOOL</b>				
<b>2.1 Replace Deteriorated Uninsulated Window Wall Assembly:</b> Existing casement windows, window hardware, wood trim, panels and framing to be replaced in their entirety with insulated aluminum window and frame assemblies with operable windows. Remove and replace existing louvers with new. Replace window shades. Abate asbestos window glazing compound.	4,400	SF	100	440,000	572,000	572,000			572,000
<b>2.2 Replace Original Exterior Doors, Hardware and Frames:</b> Remove existing original non-code compliant door assemblies and replace with accessible door assemblies. Glazing to be tempered.	16	EA	3,000	48,000	62,400	62,400			62,400
<b>2.3 Repoint / Repair Deteriorated Concrete &amp; Brick Veneer Masonry Walls:</b> Minimal deterioration evident. Repoint brick veneer at entry canopies and at bottom 4 courses around perimeter of building and near window assemblies. Repair exposed faces of concrete foundation wall primarily at corners. Clean all brick veneer. At chimney, repoint mortar joints and replace spalled and damaged brick. At areas of removal of louvers and other wall penetrations, infill with new brick to match existing.	500	SF	39	19,500	25,350	25,350			25,350
<b>2.4 Replace Masonry Sealant Joints:</b> Remove all deteriorated sealant joints and replace with new backer rod and sealant at window unit assemblies, exterior doors, canopies, expansion joints, and control joints.	500	LF	6	3,000	3,900	3,900			3,900







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2026-300-01
Project Title:	New Elementary School
Category:	Construction
Department: SPS	Contact: Robert Dutch, Director of Finance & Business

**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:**

*Replacement of Hatherly & Cushing Elementary Schools through MSBA program.*

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

*Hatherly and Cushing Schools are in need of significant capital improvements and are currently not configured in a manner that best delivers services to students. A new school would be constructed in conjunction with the Massachusetts School Building Authority which provided 44% funding for the new middle school construction in 2015-2016.*

**Discuss Operating Budget Impact:**

*A new school would have higher costs for energy but that would be partially offset in that two energy inefficient facilities would be closed in favor of one facility.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$85,000,000					\$85,000,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$85,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$85,000,000</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 checked="" type="checkbox"/>	Grant(s) or Other MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$85,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$85,000,000</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

**Option 3 - Three Neighborhood Schools - New School Plus Renovate and Add to One Building  
Preliminary Budget**

		Recommended Operating Capacity		Facility Upgrade <sup>1</sup>		Addition / Construction Cost <sup>2</sup>		Total Cost
		Grades 1 to 5	Pre- K & Kindergarten	Square Feet	Cost	Square Feet	Cost	
	Cushing & Hatherly	0	0	80,000	\$1,600,000	0	\$0	\$1,600,000
	New Neighborhood School	440	112	0	\$0	93,840	\$53,676,480	\$53,676,480
	Wampatuck	440	112	54,000	\$11,891,421	28,058	\$16,049,176	\$27,940,597
	Jenkins	440	112	72,832	\$0	0	\$0	\$0
	Totals	1320	336	206,832	\$13,491,421	121,898	\$69,725,656	<b>\$83,217,077</b>

<sup>1</sup> Facility Upgrade - Includes repair of Scope 1-3 deficiencies identified in the Facilities Condition Assessment (Appendix B)

<sup>2</sup> Assumes total project cost of \$572 / SF

Cost to demolish buildings and restore sites

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
49	Town Wide Facilities Plan - Year One*	2022-999-01	Facilities Town Wide Plan	2022	GF	\$ 144,042	
49	Town Wide Facilities Plan - Year Two	2023-999-01	Facilities Town Wide Plan	2023	GF	\$ 1,166,069	
49	Town Wide Facilities Plan - Year Three	2024-999-01	Facilities Town Wide Plan	2024	GF	\$ 490,940	
49	Town Wide Facilities Plan - Year Four	2025-999-01	Facilities Town Wide Plan	2025	GF	\$ 2,432,908	
49	Town Wide Facilities Plan - Year Five	2026-999-01	Facilities Town Wide Plan	2026	GF	\$ 2,880,829	
<b>Total</b>						<b>\$ 7,114,788</b>	



Scituate Facilities Study Capital Needs														
Property Name	Address	Property Type	Property Statistics		Critical and Non-Critical Repairs				Capital Needs Annual Totals (Uninflated)					
			Gross Square Footage	Year Built	Priority 1	Priority 2	Priority 3	Accessibility (Priority 3)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
									2020	2021	2022	2023	2024	2025
Jesuita School	54 Vinal Ave	School	77,000	2002	\$15,368	\$23,982	\$81,648	\$858,548	\$2,912	\$196,220	\$68,659	\$281,643	\$84,091	\$33,143
Seawood High School	606 Chief Justice Cushing Hwy	School	208,008	1959	\$30,117	\$5,012	\$199,571	\$509,835	\$8,477	\$133,967	\$82,025	\$713,095	\$981,702	\$8,477
Performing Arts Center	606 Chief Justice Cushing Hwy	Public	22,000	2017	\$1,580	\$490	\$770	\$86,984	\$1,540	\$15,024	\$1,540	\$63,140	\$1,540	\$1,510
Gauss Middle School	460 First Parish Rd	School	130,000	2017	\$0	\$8,034	\$19,988	\$460,628	\$6,125	\$52,317	\$6,125	\$108,325	\$6,125	\$6,125
Old Gates School	327 First Parish Rd	School	101,000	1916	\$250,505	\$293,641	\$860,274	\$1,139,760	\$3,577	\$462,840	\$29,486	\$329,777	\$132,659	\$45,024
Wastewater Treatment Pl	161 Driftway	Service	9,125	1981	\$58,932	\$420,393	\$267,156	\$64,790	\$1,058	\$85,964	\$59,838	\$348,459	\$103,426	\$56,796
Library	85 Branch St	Public	19,794	2017	\$8,557	\$12,944	\$10,036	\$161,882	\$0	\$1,274	\$22,330	\$1,274	\$3,374	\$51,464
Town Hall & Town Hall BOH	600 Chief Justice Cushing Hwy	Public	13,750	1959	\$19,074	\$6,730	\$19,763	\$386,289	\$952	\$142,019	\$100,875	\$235,858	\$18,527	\$2,352
Fire Station #1	149 First Parish Rd	Service	9,375	1975	\$65,800	\$21,871	\$185,592	\$96,899	\$17,806	\$3,137	\$2,056	\$2,056	\$27,822	\$56,472
Public Safety Complex	800 Chief Justice Cushing Hwy	Service	27,434	2017	\$0	\$5,000	\$8,330	\$291,669	\$1,757	\$39,770	\$1,757	\$1,757	\$398,171	\$1,757
Water Garage/Office	4 Old Oakon Buckee Rd	Service	6,480	1900	\$20,112	\$0	\$46,546	\$162,685	\$1,680	\$0	\$6,650	\$0	\$5,011	\$0
Highway Garage/Office	48 Capt. Peirce Rd	Service	6,240	2000	\$1,680	\$1,645	\$99,583	\$41,638	\$77,215	\$7,650	\$37,397	\$18,368	\$857	\$857
Harbormaster Office	100 Cole Parkway	Service	2,080	1983	\$5,629	\$31,633	\$31,249	\$351,514	\$0	\$9,541	\$18,871	\$32,151	\$539,404	\$4,151
Transfer-Sun Garage	280 Driftway	Service	1,200	1970	\$2,591	\$13,747	\$132,376	\$41,405	\$0	\$10,920	\$13,020	\$24,045	\$20,825	\$17,640
Scituate Harbor Comm	44 Jericho Rd	Public	9,244	1972	\$7,713	\$8,015	\$30,125	\$200,733	\$0	\$1,584	\$7,045	\$130,829	\$185,392	\$2,463
WPA Building	7 Henry Turner Bailey Rd	Public	3,182	1938	\$7,365	\$19,345	\$64,142	\$116,066	\$0	\$0	\$6,300	\$2,207	\$46,976	\$0
Widows Walk Maint Bldg	250 Driftway	Service	5,600	1997	\$3,040	\$6,720	\$95,393	\$47,374	\$1,197	\$2,877	\$20,658	\$38,215	\$2,877	\$20,877
Maritime Center	119 Edward Foster Rd	Public	1,200	2009	\$3,178	\$25,679	\$175	\$271,971	\$265	\$265	\$265	\$78,105	\$7,121	\$3,621
Lawson Tower	330 First Parish Rd	Public	1,636	1902	\$16,597	\$0	\$11,886	\$1,840	\$0	\$0	\$0	\$22,904	\$210,000	\$1,008
Mann House & Mann House Barn	108 Greenfield Ln	Public	2,590	1825	\$1,416	\$3,139	\$1,540	\$0	\$4,017	\$700	\$3,719	\$700	\$84,009	\$700
Lighthouse & Lighthouse Residence	Rebecca Rd	Public	1,336	1810	\$6,765	\$1,400	\$24,565	\$64,004	\$7,011	\$0	\$0	\$0	\$20,923	\$700
Cudworth House	331 First Parish Rd	Public	1,230	1797	\$8,439	\$9,444	\$10,570	\$165,871	\$8,452	\$0	\$2,323	\$0	\$0	\$490
<b>Totals Across the Portfolio:</b>			<b>659,504</b>		<b>\$334,458</b>	<b>\$919,705</b>	<b>\$2,201,280</b>	<b>\$5,462,384</b>	<b>\$144,042</b>	<b>\$1,166,069</b>	<b>\$490,940</b>	<b>\$2,432,908</b>	<b>\$2,880,829</b>	<b>\$315,657</b>

Scituate Facilities Study Capital Needs														
Property Name	Address	Property Type	Capital Needs Annual Totals (Uninflated)											
			Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18
			2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Jenkins School	54 Vinal Ave	School	\$467,476	\$49,540	\$33,143	\$33,143	\$33,143	\$794,928	\$43,984	\$2,912	\$27,587	\$2,912	\$188,256	\$19,309
Scituate High School	606 Chief Justice Cushing Hwy	School	\$170,797	\$105,226	\$81,277	\$203,342	\$55,600	\$718,012	\$101,173	\$8,477	\$272,967	\$36,853	\$307,266	\$76,850
Performing Arts Center	606 Chief Justice Cushing Hwy	Public	\$5,179	\$1,540	\$1,540	\$1,540	\$1,540	\$39,880	\$1,540	\$1,540	\$1,540	\$1,540	\$305,351	\$106,540
Gazes Middle School	460 First Parish Rd	School	\$68,767	\$6,125	\$22,925	\$6,125	\$6,125	\$220,360	\$6,125	\$6,125	\$75,637	\$6,125	\$980,166	\$6,125
Old Gazes School	327 First Parish Rd	School	\$293,988	\$61,606	\$64,477	\$48,153	\$28,077	\$530,830	\$53,986	\$57,946	\$60,053	\$3,577	\$279,613	\$20,159
Wastewater Treatment Pl	161 Driftway	Service	\$39,064	\$5,958	\$9,896	\$132,556	\$1,058	\$65,402	\$1,058	\$10,655	\$15,663	\$5,958	\$39,064	\$22,738
Library	85 Branch St	Public	\$37,354	\$30,176	\$145,721	\$1,274	\$1,274	\$1,274	\$228,025	\$57,461	\$6,279	\$1,274	\$1,274	\$443,748
Town Hall & Town Hall BOH	600 Chief Justice Cushing Hwy	Public	\$325,882	\$32,275	\$2,352	\$10,973	\$2,352	\$619,473	\$30,875	\$74,012	\$44,352	\$35,952	\$35,952	\$65,875
Fire Station #1	149 First Parish Rd	Service	\$2,056	\$12,489	\$2,056	\$2,756	\$16,056	\$2,056	\$4,395	\$56,472	\$238,078	\$48,264	\$2,056	\$15,685
Public Safety Complex	800 Chief Justice Cushing Hwy	Service	\$62,150	\$1,757	\$1,757	\$1,757	\$1,757	\$40,345	\$398,171	\$1,757	\$10,959	\$10,959	\$243,831	\$10,959
Water Garage/Office	4 Old Oaken Bucket Rd	Service	\$0	\$1,400	\$0	\$20,301	\$59,114	\$0	\$0	\$0	\$14,987	\$3,060	\$0	\$0
Highway Garage/Office	68 Capt. Peirce Rd	Service	\$857	\$7,650	\$23,563	\$1,145	\$17,237	\$46,101	\$23,537	\$9,794	\$857	\$47,065	\$5,057	\$1,557
Harbormaster Office	100 Cole Parkway	Service	\$1,634	\$1,634	\$2,239	\$70,989	\$6,580	\$36,390	\$7,162	\$7,300	\$563,851	\$0	\$0	\$28,821
Transfer Sun Garage	280 Driftway	Service	\$6,300	\$10,920	\$28,307	\$24,143	\$6,300	\$19,874	\$19,298	\$45,045	\$27,545	\$32,560	\$91,914	\$158,291
Scituate Harbor Comm	44 Jericho Rd	Public	\$12,064	\$14,052	\$1,413	\$14,809	\$1,413	\$132,769	\$2,444	\$1,413	\$183,413	\$59,983	\$12,064	\$117,745
WPA Building	7 Henry Turner Bailey Rd	Public	\$889	\$0	\$21,028	\$46,122	\$6,300	\$0	\$0	\$0	\$44,247	\$0	\$0	\$0
Widows Walk Main Bldg	250 Driftway	Service	\$1,197	\$2,877	\$8,356	\$4,557	\$2,818	\$2,877	\$20,658	\$12,276	\$2,877	\$85,105	\$5,798	\$2,877
Maritime Center	119 Edward Foster Rd	Public	\$7,121	\$3,621	\$3,555	\$26,165	\$265	\$17,065	\$265	\$7,979	\$13,306	\$265	\$265	\$14,976
Lawson Tower	330 First Parish Rd	Public	\$1,008	\$1,008	\$1,848	\$11,379	\$1,008	\$25,998	\$1,008	\$1,347	\$211,008	\$1,008	\$1,008	\$5,124
Mann House & Mann House Barn	108 Greenfield Ln	Public	\$700	\$700	\$854	\$28,403	\$1,969	\$700	\$2,450	\$700	\$6,626	\$3,863	\$854	\$700
Lighthouse & Lighthouse Residence	Rebecca Rd	Public	\$0	\$0	\$0	\$350	\$7,472	\$0	\$14,578	\$7,703	\$9,084	\$24,500	\$0	\$0
Cudworth House	331 First Parish Rd	Public	\$0	\$22,481	\$490	\$0	\$466	\$490	\$0	\$0	\$490	\$8,452	\$0	\$1,857
<b>Totals Across the Portfolio:</b>			<b>\$1,504,484</b>	<b>\$393,034</b>	<b>\$456,797</b>	<b>\$689,981</b>	<b>\$257,924</b>	<b>\$3,374,825</b>	<b>\$960,731</b>	<b>\$370,914</b>	<b>\$1,831,355</b>	<b>\$419,296</b>	<b>\$2,499,789</b>	<b>\$1,119,935</b>

**Table 7: Summary of Projects at Jenkins School**

<i>Jenkins School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety Upgrades	\$33,977	<ul style="list-style-type: none"> <li>+ Seal penetrations with firestop materials</li> <li>+ Upgrade Stair #003 vestibule construction</li> <li>+ Restore spray-applied fire-resistant materials</li> <li>+ Replace stained acoustical ceiling tile</li> </ul>
2020	Fire Protection System Upgrades	\$43,220	<ul style="list-style-type: none"> <li>+ Prepare as-built sprinkler/standpipe drawings and calculations</li> <li>+ Extend sprinkler protection to areas without coverage</li> <li>+ Relocate sprinklers with respect to obstructions</li> <li>+ Miscellaneous sprinkler repairs</li> <li>+ Replace alarm check valve trim</li> <li>+ Prepare Fire alarm upgrade/replacement options analysis</li> <li>+ Replace fire alarm control panel</li> <li>+ Install fire alarm notification appliances in rooms with deficient notification</li> <li>+ Miscellaneous fire alarm repairs</li> </ul>
2020	Hot Water Heater Replacement	\$26,362	<ul style="list-style-type: none"> <li>+ Replace water heater</li> <li>+ Replace hot water storage tank</li> </ul>
2021	Site Improvements and ADA Upgrades	\$293,370	<ul style="list-style-type: none"> <li>+ Prepare, prime, and paint railings</li> <li>+ Repair sections of cracked and spalled concrete sidewalk</li> <li>+ Repair damaged exterior signs</li> <li>+ Patching, crack sealing, sealing, and striping of asphalt pavement</li> <li>+ Replace cracked granite curbing</li> <li>+ Prepare, prime, and paint bollards</li> <li>+ Correct Priority A accessibility barriers (exterior barriers)</li> </ul>
2021	Building ADA Upgrades	\$520,355	<ul style="list-style-type: none"> <li>+ Correct Priority B accessibility barriers</li> <li>+ Correct Priority C accessibility barriers</li> <li>+ Correct Priority D accessibility barriers</li> </ul>
2021	Elevator Modernization	\$72,850	<ul style="list-style-type: none"> <li>+ Replace elevator controls and machinery</li> <li>+ Refurbish elevator cab interior</li> </ul>



<i>Jenkins School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2021	Roofing Replacement	\$83,725	+ Investigate and repair roof leaks + Asphalt shingle re-roofing
2022	Playground Equipment	\$24,675	+ Replace playground equipment
2023	Sidewalk Repairs	\$36,807	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk
2023	HVAC Upgrades	\$110,888	+ Replace 3 air handling units + Replace 3 air-cooled condensing units
2023	Corridor Renovations	\$215,600	+ Paint corridor walls/trim + Corridor flooring replacement
2023	Kitchen Renovations	\$57,575	+ Paint kitchen walls/trim + Kitchen flooring replacement + Replace kitchen hood wet chemical system
2024	Façade Improvements	\$56,242	+ Recaulk expansion and control joints + Recaulk windows and doors + Gasket renewal around windows + Replace exterior metal insulated doors
2026	Generator Replacement	\$155,740	+ Replace emergency generator + Replace controls for emergency generator
2026	HVAC Upgrades	\$151,155	+ Replace 5 air handling units
2026	Tennis Court Repairs	\$49,350	+ Repair asphaltic sport/tennis court
2026	Pavement Repairs	\$204,487	+ Localized full-depth asphalt repairs + Patching, crack sealing, sealing and striping of asphalt pavement + Repair damaged asphalt curbs
2031	Boiler Replacement	\$463,044	+ Replace two gas-fired boilers
2031	Corridor Renovations	\$223,972	+ Paint corridor walls/trim + Corridor flooring replacement + Replace exterior aluminum and glass doors + Replace interior fire doors
2031	Kitchen Renovations	\$32,900	+ Paint kitchen walls/trim + Kitchen flooring replacement

**Table 8: Summary of Projects at Old Gates School**

<i>Old Gates School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Site Improvements	\$162,068	<ul style="list-style-type: none"> <li>+ Prepare, prime, and paint the tube metal gate at the west side of the building</li> <li>+ Repair areas of deteriorated/damaged asphalt sidewalk</li> <li>+ Repair concrete ADA ramp at the main entrance to the B Wing</li> <li>+ Localized full-depth asphalt repair for cracked and alligatored sections of asphalt pavement</li> <li>+ Replace cracked, spalled, and missing sections of cast-in-place concrete curbing</li> <li>+ Correct Priority A accessibility barriers (site arrival points including parking, passenger loading zones and bus stops)</li> </ul>
2020	Sprinkler System Replacement	\$584,870	<ul style="list-style-type: none"> <li>+ Demolish existing sprinkler system and install replacement sprinkler system with 500 gpm fire pump</li> <li>+ Construct new enclosure for fire pump and sprinkler risers</li> </ul>
2020	Domestic Hot Water Upgrade	\$30,800	<ul style="list-style-type: none"> <li>+ Replace gas-fired water heater</li> <li>+ Replace two domestic hot water tanks</li> </ul>
2020	Life Safety/ADA Upgrades	\$972,808	<ul style="list-style-type: none"> <li>+ Upgrade occupancy separation wall</li> <li>+ Upgrade enclosures for Stairs #3, 4, 5, and 6</li> <li>+ Replace handrails for Stairs #4, 5, and 6</li> <li>+ Widen openings into Stairs #5 and 6 and replace doors</li> <li>+ Remove wheelchair lifts at stairs to increase egress clear width. Confirm alternative method of vertical access is available</li> <li>+ Replace exit signs and emergency lighting units</li> <li>+ Install fire extinguishers</li> <li>+ Correct Priority B accessibility barriers (exterior and interior routes)</li> </ul>

Old Gates School Capital Projects			
Project Year	Project Title	Cost Estimate	Scope of Work
2020	Interior Repairs/Plumbing Fixture Replacement/ ADA Upgrades	\$735,205	+ Repair interior finishes + Replace plumbing fixtures + Replace sink faucet handles + Correct Priority C accessibility barriers (toilet rooms, bathing rooms, and locker rooms, drinking fountains) + Correct Priority D accessibility barriers (signage, storage, benches and alarms)
2021	Mechanical Upgrades	\$305,376	+ Replace two rooftop packaged air handling units
2021	Roof Replacement	\$395,407	+ Investigate and repair roof leaks + Replace EPDM roof + Replace asphalt shingle roof
2023	Interior Refurbishment	\$289,800	+ Corridor finish refurbishment + Kitchen refurbishment
2023	Pavement, Curb, and Tennis Court Repairs	\$79,809	+ Localized full-depth asphalt repairs + Patching, crack sealing, sealing and striping of asphalt pavement + Repair damaged concrete curbs + Repair asphalt tennis court
2024	Façade Improvements	\$76,350	+ Façade painting and general repairs + Renew/recaulk expansion & control joints + Renew/recaulk windows and doors + Replace exterior metal insulated doors + Gasket renewal around windows
2024	Sidewalk Repairs	\$43,387	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk
2025	Heat Pump Replacement	\$124,340	+ Replace approximately 15 heat pump units
2026	Emergency Generator Replacement	\$155,740	+ Replace diesel-fueled emergency generator
2026	Elevator Modernization	\$61,071	+ Replace elevator controls and machinery
2028	Sanitary Line Replacement	\$98,000	+ Replace approximately 2,000 linear feet of sanitary sewer main line

**Table 9: Summary of Projects at Town Hall and BOH Buildings**

<i>Town Hall and BOH Building Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety Upgrades	\$36,637	<ul style="list-style-type: none"> <li>+ Replace fire doors into corridor from fire-resistant rated rooms</li> <li>+ Seal pipe and conduit penetrations through fire-resistant rated rooms</li> <li>+ Install exit signage and emergency egress lighting in Town Hall Basement and BOH Building</li> <li>+ Replace handrails for the interior stairway, main entrance stairway, and accessible entrance ramp</li> <li>+ Replace stairway and handrails from Boiler Room #01 up into the corridor and at the accessible entrance</li> <li>+ Furnish fire extinguishers in BOH Building</li> <li>+ Replace all doorknobs with egress compliant door hardware</li> <li>+ Reverse door swings for old BOH office and the cross-corridor doors</li> </ul>
2020	ADA Room Identification Signage Installation	\$30,776	<ul style="list-style-type: none"> <li>+ Correct Priority D accessibility barriers by installing room identification signage</li> </ul>
2020	Restroom ADA Upgrades	\$117,902	<ul style="list-style-type: none"> <li>+ Correct Priority C accessibility barriers by renovating the Men's Restroom, Women's Restroom, and Unisex Restroom on the Main Level</li> </ul>
2020	Interior Routes ADA Upgrades	\$154,358	<ul style="list-style-type: none"> <li>+ Correct Priority B accessibility barriers</li> </ul>
2021	Roof Replacement	\$106,938	<ul style="list-style-type: none"> <li>+ Replace Town Hall roof</li> <li>+ Replace BOH Building roof</li> </ul>
2022	Site ADA Upgrades	\$79,474	<ul style="list-style-type: none"> <li>+ Correct Priority A accessibility barriers</li> <li>+ Routine concrete sidewalk repairs</li> <li>+ Repair areas of deteriorated/damaged asphalt sidewalk</li> <li>+ Patching, crack sealing, and striping of asphalt pavement</li> </ul>

<i>Town Hall and BOH Building Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2022	Sanitary Line Replacement	\$70,000	+ Replace sanitary sewer line
2023	Corridor Refurbishment	\$234,906	+ Corridor refurbishment + Painting the walls and trim Flooring replacement
2025	Façade Improvements	\$42,081	+ Clean and repoint brick + Renew/recaulk expansion and control joints + Façade painting + General façade repairs + Renew/recaulk around windows and doors
2026	Generator Replacement	\$155,740	+ Replace gas-fired emergency generator
2027	Pavement Replacement	\$188,172	+ Localized full-depth asphalt repairs Repair damaged asphalt curbs + Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement
2031	Corridor Refurbishment	\$234,906	+ Corridor refurbishment + Painting the walls and trim + Flooring replacement
2031	Boiler Replacement	\$361,712	+ Replace two gas-fired boilers
2031	Fire Alarm System Upgrade	\$25,868	+ Replace fire alarm control panel + Install horn/strobes in all occupiable spaces + Install full coverage smoke detection
2032	Sidewalk/Pavement Repairs	\$29,923	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement
2033	Water Heater Replacement	\$29,439	+ Replace two electric water heaters
2035	Façade Improvements	\$1,960,000	+ Façade Painting + General façade repairs

**Table 10: Summary of Projects at Harbormaster Office**

<i>Harbormaster Office Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety/ADA Upgrades	\$47,765	<ul style="list-style-type: none"> <li>+ Separate attic from building with gypsum board</li> <li>+ Replace doors restricting egress through the hallway</li> <li>+ Replace door noncompliant door thresholds</li> <li>+ Replace egress compliant stairway up to attic</li> <li>+ Install illuminates exit signs where required</li> <li>+ Replace fire alarm system</li> <li>+ Correct Priority B accessibility barriers</li> </ul>
2023	Common Area Refurbishment/Restroom ADA Upgrades	\$120,685	<ul style="list-style-type: none"> <li>+ Correct Priority C accessibility barriers by renovating the restrooms and the office</li> <li>+ Paint walls/trim</li> <li>+ Flooring replacement</li> <li>+ Replace operable vinyl-framed windows</li> </ul>
2024	Site ADA Upgrades	\$261,339	<ul style="list-style-type: none"> <li>+ Localized full-depth asphalt repairs</li> <li>+ Patching, crack sealing, sealing and striping of asphalt pavement</li> <li>+ Correct Priority A accessibility barriers</li> </ul>
2024	Façade Painting	\$453,600	+ Façade painting and general repairs
2029	Pavement Repairs	\$64,852	<ul style="list-style-type: none"> <li>+ Localized full-depth asphalt repairs</li> <li>+ Patching, crack sealing, sealing and striping of asphalt pavement</li> </ul>
2031	Common Area Refurbishment	\$46,436	<ul style="list-style-type: none"> <li>+ Correct Priority D accessibility barriers by renovating doors and providing signage</li> <li>+ Paint walls/trim</li> <li>+ Flooring replacement</li> </ul>

**Table 11: Summary of Projects at Maritime Center**

<i>Maritime Center Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety/ADA Upgrades	\$89,323	+ Replace ramp and handrail up to patio + Replace handrail for stairway leading to the main entrance + Perform other corrections for Priority B accessibility barriers
2023	Site ADA Upgrades	\$73,711	+ Correct Priority A accessibility barriers
2023	Common Area Refurbishment	\$47,186	+ Correct Priority D accessibility barriers by renovating doors and providing signage + Paint walls/trim + Flooring replacement + Replace operable vinyl-framed windows + Replace gas-fired water heater
2029	HVAC Equipment Replacement	\$23,800	+ Replace air handler unit + Replace condenser unit
2031	Common Area Refurbishment/Restroom ADA Upgrades	\$116,332	+ Correct Priority C accessibility barriers by renovating the restrooms and the office + Paint walls/trim + Flooring replacement
2038	Parking Area Improvements	\$57,750	+ Gravel Parking Area Resurfacing
2039	Common Area Refurbishment	\$60,934	+ Paint walls/trim + Flooring replacement + Replace single aluminum glass storefront doors

**Table 12: Summary of Projects at Harbormaster Office**

<i>Harbormaster Office Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety/ADA Upgrades	\$47,765	<ul style="list-style-type: none"> <li>+ Separate attic from building with gypsum board</li> <li>+ Replace doors restricting egress through the hallway</li> <li>+ Replace door noncompliant door thresholds</li> <li>+ Replace egress compliant stairway up to attic</li> <li>+ Install illuminates exit signs where required</li> <li>+ Replace fire alarm system</li> <li>+ Correct Priority B accessibility barriers</li> </ul>
2023	Common Area Refurbishment/Restroom ADA Upgrades	\$120,685	<ul style="list-style-type: none"> <li>+ Correct Priority C accessibility barriers by renovating the restrooms and the office</li> <li>+ Paint walls/trim</li> <li>+ Flooring replacement</li> <li>+ Replace operable vinyl-framed windows</li> </ul>
2020	Interior Finish, Door, and Window Repairs with Life Safety Upgrades	\$26,766	<ul style="list-style-type: none"> <li>+ Install illuminated exit signs and emergency lighting units in deficient areas</li> <li>+ Widen door opening and install new doors for doors with clear width less than 32 inches</li> <li>+ Replace door hardware and thresholds where deficient</li> <li>+ Perform interior finish repairs</li> <li>+ Perform window and door repairs</li> </ul>
2020	Building ADA Upgrades	\$186,237	<ul style="list-style-type: none"> <li>+ Correct Priority B accessibility barriers</li> <li>+ Correct Priority B accessibility barriers</li> <li>+ Correct Priority B accessibility barriers</li> </ul>
2023	Interiors Refurbishment and Window Replacement	\$138,460	<ul style="list-style-type: none"> <li>+ Renew/recaulk windows and doors</li> <li>+ Replace fixed aluminum-framed windows</li> <li>+ Common area finish refurbishment</li> <li>+ Carpet replacement</li> </ul>
2024	Façade Painting	\$182,000	<ul style="list-style-type: none"> <li>+ Façade painting and general repairs</li> </ul>



**Table 13: Summary of Projects at Widow's Walk Maintenance Building**

<i>Widow's Walk Maintenance Building Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Asphalt Pavement Repairs	\$80,539	
2020	ADA Upgrades	\$52,614	+ Correct Priority C accessibility barriers (restroom upgrades) + Correct Priority D accessibility barriers (doors, lockers, signage, and other miscellaneous repairs) + Replace plumbing fixtures
2023	Façade Improvements	\$67,261	+ Replace metal wall panels + Exterior painting + Replace exterior entry doors + Replace overhead doors
2033	Wall Panel Replacement & Exterior Painting	\$37,461	+ Replace metal wall panels + Exterior painting
2035	Roof Replacement	\$65,425	+ Localized full-depth asphalt repair
2038	Overhead Door Replacement	\$28,179	+ Replace overhead doors

**Table 14: Summary of Projects at Library Building**

<i>Library Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety/ADA Upgrades	\$74,250	+ Restore penetrations through fire-rated walls + Replace fire doors + Widen door openings and replace doors + Correct Priority B accessibility barriers by renovating exterior and interior routes to programs + Correct Priority D accessibility barriers (signage, storage, benches and alarms)
2020	Restroom ADA Upgrades	\$42,754	+ Correct Priority C accessibility barriers by renovating the restrooms
2020	Pavement Repairs and Site ADA Upgrades	\$82,609	+ Patching, crack sealing, sealing and striping of asphalt pavement + Correct Priority A accessibility barriers by providing compliant accessible parking, curb ramps, and appurtenances
2025	Interiors Refurbishment	\$45,290	+ Paint walls/trim + Flooring replacement
2027	Pavement/Curb/Sidewalk Repairs	\$32,452	+ Routine concrete sidewalk repairs + Patching, crack sealing, sealing and striping of asphalt pavement + Replace asphalt curbs
2028	HVAC Equipment Replacement	\$186,525	+ Replace Air Handling Units + Replace Air-Cooled Condensing Units
2032	Domestic Hot Water Upgrade and Backflow Preventer Retrofit	\$54,872	+ Replace gas-fired water heater + Replace domestic hot water tank
2032	Roof Replacement	\$113,748	+ Replace TPO 60 mil roof + Replace cedar shingle roof
2032	Parking Lot Lighting Replacement	\$47,376	+ Replacement of parking area poles and lighting
2033	Interiors Refurbishment	\$45,290	+ Paint walls/trim + Flooring replacement

**Table 15: Summary of Projects at Fire Station #1**

<i>Fire Station #1 Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Pavement Replacement with Site ADA Upgrades	\$113,071	+ Localized full-depth asphalt repairs Repair damaged concrete curbs Correct Priority A accessibility barriers by providing compliant accessible parking, curb ramps, and appurtenances
2020	Interior ADA Upgrades	\$52,285	+ Correct Priority B accessibility barriers by renovating interior and exterior routes Correct Priority C accessibility barriers by renovating the unisex restroom Correct Priority D accessibility barriers by modifying elements such as signage, drinking fountains, storage, benches and alarms to make them accessible
2020	Roof Replacement	\$73,717	+ EPDM roof replacement
2020	Life Safety Upgrades	\$87,531	+ Replace fire doors Install magnetic hold opens or door closers in corridor Install handrail extension for interior stairway Replace exterior stairway Install sloped surfaces for rooms adjacent to garage Install illuminated exit signs Install emergency lighting units Install guards around fire pole Provide second exit from apparatus bay Install additional fire alarm notification appliances
2025	Interiors refurbishment	\$45,290	+ Common area refurbishment Kitchen refurbishment
2033	Interiors refurbishment	\$45,290	+ Common area refurbishment Kitchen refurbishment
2034	Boiler Replacement	\$230,112	+ Replace two gas-fired boilers
2035	AHU Replacement	\$46,208	+ Replace two air handler units

**Table 16: Summary of Projects at Scituate High School**

<i>Scituate High School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Fire Alarm System Upgrade	\$168,000	+ Replace fire alarm panel and select devices
2020	Building ADA Upgrades	\$431,186	+ Correct Priority B accessibility barriers by renovating interior and exterior routes + Correct Priority D accessibility barriers (doors, lockers, signage, and other miscellaneous repairs)
2020	Restroom ADA Upgrades	\$26,799	+ Correct Priority C accessibility barriers by renovating 110 Men's Restroom, 106 Women's Restroom, 118 Unisex Restroom, and 106A Women's Restroom
2020	Acoustical Ceiling Tile Replacement**	\$22,570	+ Replace stained ceiling tiles
2020	Life Safety Upgrades*	\$38,567*	+ High School - Replace exit signs, replace handrails on exit stairs and exit access stairs, and widen opening and replace door where clear width is less than 32 inches + Middle School - Seal penetrations through rated walls, replace fire doors, repair SFRM on roof, and install horizontal assembly to separate MEP systems in Stair #03 + Performing Arts Center - Install exit signs and reverse door swings in lobby
2021	Elevator Modernization	\$84,992	+ Replace elevator controls and machinery + Refurbish elevator cab
2021	Air Handling Unit Replacement	\$55,952	+ Replace 2 out of 4 air handling units

Scituate High School Capital Projects			
Project Year	Project Title	Cost Estimate	Scope of Work
2021	Sidewalk/Pavement Repairs and ADA Site Upgrades*	\$162,018	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement + Routine concrete curb repairs + Correct Priority A accessibility barriers (site arrival points including parking, passenger loading zones and bus stops)
2023	Air Handling Unit Replacement	\$55,952	+ Replace 2 out of 4 air handling units
2023	Interiors Refurbishment	\$693,505	+ Corridor finish refurbishment + Kitchen refurbishment + Carpet replacement + Repair all Priority 3 interior finish and component deficiencies
2024	Roof Replacement	\$821,694	+ EPDM-membrane roof replacement
2024	Facade Improvements	\$108,311	+ Façade painting and general repairs + Gasket renewal around windows + Renew/recaulk windows and doors + Renew/recaulk expansion & control joints
2026	Emergency Generator Replacement	\$155,740	+ Replace gas-fired generator
2027	Tennis Court Repairs	\$28,376	+ Repair asphaltic sport/tennis court
2027	Pavement Replacement*	\$143,758	+ Localized full-depth asphalt repairs + Repair damaged asphalt curbs + Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement + Routine concrete curb repairs
2028	Boiler Replacement	\$72,800	+ Replace 1 out of 2 boilers
2029	Roof Replacement	\$75,135	+ Gravel surfaced built-up roof replacement

**Table 17: Summary of Projects at the Performing Arts Center**

<i>Performing Arts Center Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety Upgrades*	\$38,567	<ul style="list-style-type: none"> <li>+ High School - Replace exit signs, replace handrails on exit stairs and exit access stairs, and widen opening and replace door where clear width is less than 32 inches</li> <li>+ Middle School - Seal penetrations through rated walls, replace fire doors, repair SFRM on roof, and install horizontal assembly to separate MEP systems in Stair #03</li> <li>+ Performing Arts Center - Install exit signs and reverse door swings in lobby</li> </ul>
2021	Sidewalk/Pavement Repairs and ADA Site Upgrades*	\$162,018	<ul style="list-style-type: none"> <li>+ Routine concrete sidewalk repairs</li> <li>+ Repair areas of deteriorated/damaged asphalt sidewalk</li> <li>+ Patching, crack sealing, and striping of asphalt pavement</li> <li>+ Routine concrete curb repairs</li> <li>+ Correct Priority A accessibility barriers (site arrival points including parking, passenger loading zones and bus stops)</li> </ul>
2023	Interiors Refurbishment with ADA Upgrades	\$148,584	<ul style="list-style-type: none"> <li>+ Refurbish interior finishes and components</li> <li>+ Correct Priority B accessibility barriers by renovating interior and exterior routes</li> <li>+ Correct Priority D accessibility barriers (doors, signage, and other miscellaneous repairs)</li> </ul>
2027	Pavement Replacement*	\$143,758	<ul style="list-style-type: none"> <li>+ Localized full-depth asphalt repairs</li> <li>+ Repair damaged asphalt curbs</li> <li>+ Routine concrete sidewalk repairs</li> <li>+ Repair areas of deteriorated/damaged asphalt sidewalk</li> <li>+ Patching, crack sealing, and striping of asphalt pavement</li> <li>+ Routine concrete curb repairs</li> </ul>

**Table 18: Summary of Projects at Gates Middle School**

<i>Gates Middle School Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Restroom ADA Upgrades	\$198,735	+ Correct Priority C accessibility barriers by renovating the restrooms
2020	Building ADA Upgrades	\$224,867	+ Correct Priority B accessibility barriers by renovating exterior and interior routes to programs + Correct Priority D accessibility barriers (signage, storage, benches and alarms)
2020	Life Safety Upgrades*	\$38,567	+ High School - Replace exit signs, replace handrails on exit stairs and exit access stairs, and widen opening and replace door where clear width is less than 32 inches + Middle School - Seal penetrations through rated walls, replace fire doors, repair SFRM on roof, and install horizontal assembly to separate MEP systems in Stair #03 + Performing Arts Center - Install exit signs and reverse door swings in lobby
2020	Acoustical Ceiling Tile Replacement**	\$22,570	+ Replace stained ceiling tiles
2021	Sidewalk/Pavement Repairs and ADA Site Upgrades*	\$162,018	+ Routine concrete sidewalk repairs + Repair areas of deteriorated/damaged asphalt sidewalk + Patching, crack sealing, and striping of asphalt pavement + Routine concrete curb repairs + Correct Priority A accessibility barriers (site arrival points including parking, passenger loading zones and bus stops)
2023	Interiors Refurbishment	\$102,200	+ Common area refurbishment Kitchen refurbishment

**Table 19: Summary of Projects at the Lighthouse**

<i>Lighthouse Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Pavement and Curbing Repairs W/ ADA Upgrades	\$70,350	+ Repair settlement and cracking in the asphalt pavement + Mill and overlay asphalt pavement + Repair cracked and spalled curbs
2020	Life Safety/ADA Upgrades	\$32,688	+ Conduct an NFPA 914 Historic Structure Evaluation + Install combination exit signs/emergency light units + Install exterior landing at exits + Install handrails at egress stairs + Replace fire extinguishers + Install additional smoke detectors + Correct Priority B accessibility barriers (exterior walkways) + Correct Priority D accessibility barriers (signage, reach ranges, etc.)
2035	Boiler Replacement	\$24,500	+ Replace one gas-fired boiler
2038	Retaining Wall Repairs	\$135,713	+ Repair brick / stone retaining wall



**Table 20: Summary of Projects at the Mann House**

<i>Mann House Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2024	Gravel Parking Area Resurfacing	\$28,623	+ Resurface gravel parking area + Replace pylon signs
2024	Window Replacement	\$37,800	+ Replace windows + Renewal of the sealants around windows and doors
2029	Interiors refurbishment	\$23,940	+ Guestroom kitchen and bathroom upgrade + Paint interior stairwell + Replace exterior doors
2034	Gravel Parking Area Resurfacing	\$28,623	+ Resurface gravel parking area + Replace pylon signs
2039	Siding Replacement	\$37,800	+ Replace wood board siding + Exterior trim painting

**Table 21: Summary of Projects at Lawson Tower**

<i>Lawson Tower Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2023	Interior Refurbishment and Window Replacement	\$27,944	+ Refurbish finishes and fixtures + Replacement of five (5) fixed wood insulated windows
2024	Façade Painting	\$210,000	+ Façade painting and general repairs
2031	Interior Refurbishment and Window Replacement	\$27,944	+ Refurbish finishes and fixtures + Replacement of five (5) fixed wood insulated windows
2034	Façade Painting	\$210,000	+ Façade painting and general repairs
2039	Interior Refurbishment and Window Replacement	\$27,944	+ Refurbish finishes and fixtures + Replacement of five (5) fixed wood insulated windows

**Table 22: Summary of Projects at the Cudworth House**

<i>Cudworth House Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	ADA Upgrades	\$165,871	<ul style="list-style-type: none"> <li>+ Correct Priority A accessibility barriers by renovating the main entrance and the path from the public way</li> <li>+ Correct Priority B accessibility barriers by renovating exterior and interior routes to programs</li> <li>+ Correct Priority C accessibility barriers by renovating the unisex restroom</li> <li>+ Correct Priority D accessibility barriers (doors, signage, and other miscellaneous repairs)</li> </ul>
2027	HVAC Equipment Replacement	\$25,631	<ul style="list-style-type: none"> <li>+ Install new concrete condenser pad</li> <li>+ Replace condenser unit</li> <li>+ Replace air handling unit</li> </ul>

**Table 23: Summary of Projects at the Public Safety Complex**

<i>Public Safety Complex Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Restroom and Locker Room ADA Upgrades	\$143,542	+ Correct Priority C accessibility barriers by renovating the restrooms and locker rooms that are required to be accessible
2020	Building ADA Upgrades	\$84,537	+ Correct Priority B accessibility barriers by renovating interior and exterior routes + Correct Priority D accessibility barriers by modifying elements such as signage, drinking fountains, storage, benches and alarms to make them accessible
2022	Pavement Repairs and Site ADA Upgrades	\$37,490	+ Patching, crack sealing, sealing and striping of asphalt pavement + Correct Priority A accessibility barriers by providing compliant accessible parking, curb ramps, and appurtenances
2024	Interiors Refurbishment	\$396,414	+ Corridor finish refurbishment + Kitchen refurbishment
2026	Pavement Repairs	\$33,900	+ Patching, crack sealing, sealing and striping of asphalt pavement
2031	Pavement Repairs	\$33,900	+ Patching, crack sealing, sealing and striping of asphalt pavement
2032	Interiors Refurbishment	\$396,414	+ Corridor finish refurbishment + Kitchen refurbishment
2034	Condenser Unit Replacement	\$36,808	+ Replace 8 air-cooled condensers
2036	Roof Replacement	\$111,364	+ Replace asphalt shingle roof + Replace TPO roof membrane
2036	Elevator Modernization	\$78,552	+ Replace elevator controls and machinery + Refurbish elevator cab interior
2036	Air Handling Unit Replacement	\$40,952	+ Replace 1 air handling unit
2036	Pavement Repairs	\$55,560	+ Patching, crack sealing, sealing and striping of asphalt pavement
2036	Fire Protection System Upgrades	\$48,563	+ Replace fire alarm control panels + Refurbish fire pump, engine, and controls

**Table 24: Summary of Projects at the Highway Office/Garage Building**

<i>Highway Office/Garage Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Pavement Repairs and Site ADA Upgrades	\$104,111	+ New asphalt overlay, repair, and restriping + Correct Priority A accessibility barriers
2020	Building ADA Upgrades	\$36,227	+ Correct Priority B accessibility barriers + Correct Priority B accessibility barriers + Correct Priority B accessibility barriers
2022	Emergency Generator Replacement	\$37,136	+ Replace gas-fired generator
2022	HVAC Equipment Replacement	\$41,815	+ Replace 2 air handling units and 2 air-cooled condenser units
2025	HVAC Equipment Replacement	\$24,304	+ Replace 1 air handling units and 1 air-cooled condenser unit
2029	Façade Improvements	\$44,112	+ Exterior painting (wood/hardboard siding) + Exterior trim painting + Renew/recaulk windows and doors + Replace metal garage doors + Window replacement
2031	Roof Replacement	\$50,236	+ EPDM 60 mil roof replacement + Fabric roof replacement
2035	Air Handling Unit Replacement	\$46,208	+ Replace 1 air handling unit

**Table 25: Summary of Projects at the WPA Building**

<i>WPA Building Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Site Improvements and ADA Upgrades	\$73,359	+ Patching, crack sealing, sealing and striping of asphalt pavement + Repair damaged concrete curbs + Repair trip hazards - concrete sidewalks + Correct Priority A accessibility barriers by providing compliant accessible parking, curb ramps, and appurtenances
2020	Life Safety Upgrades	\$39,285	+ Conduct stairway feasibility assessment + Install fire door at top of basement stair + Line attic with gypsum board + Install exterior landings at exits + Remove door at bottom of Level 2 stairway and widen opening + Relocate Level 2 stairway handrails + Replace basement stairway
2020	Roof and Basement Repairs	\$25,458	+ Repair basement leaks + Slate shingled roof repair/restoration
2020	Building ADA Upgrades	\$65,914	+ Correct Priority B accessibility barriers by renovating interior and exterior routes + Correct Priority C accessibility barriers (restroom upgrades) + Correct Priority D accessibility barriers (doors, lockers, signage, and other miscellaneous repairs)
2024	Pavement and Retaining Wall Repairs	\$44,983	+ Patching, crack sealing, sealing and striping of asphalt pavement + Repair brick / stone retaining wall
2029	Pavement and Sidewalk Repairs	\$47,909	+ Patching, crack sealing, sealing and striping of asphalt pavement + Localized full-depth asphalt repairs Routine brick/concrete sidewalk repairs
2034	Pavement Repairs	\$41,364	+ Patching, crack sealing, sealing and striping of asphalt pavement

**Table 26: Summary of Projects at the Water Department Office/Garage Buildings**

<i>Water Department Office/Garage Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety Upgrades	\$28,275	+ Replace door hardware with egress compliant hardware + Widen openings and replace doors where clear width is less than 32 inches + Replace door threshold for exit doors and provide exterior landing + Install sloped surfaces for elevation changes less than 12 inches + Install combination exit signs/emergency lighting units + Install backflow preventer on water service
2020	Site Improvements and Site ADA Upgrades	\$36,142	+ Localized full-depth asphalt repairs + New asphalt overlay, repair, and restriping + Repair damaged asphalt curbs + Repair damaged concrete curbs + Replace worn pylon sign at entrance + Correct Priority A accessibility barriers
2020	Building ADA Upgrades	\$135,619	+ Correct Priority C accessibility barriers by renovating the restrooms + Correct Priority D accessibility barriers by modifying elements such as signage, drinking fountains, storage,
2029	Roof Replacement	\$25,819	+ TPO 60 mil roof replacement + Architectural shingle roof replacement
2030	Boiler Replacement	\$52,464	+ Replace one gas-fired boiler

**Table 27: Summary of Projects at the Transfer Station**

<i>Transfer Station Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Sprinkler System Upgrades	\$39,618	+ Perform detailed review of sprinkler heads to determine if recalled sprinkler heads are present + Replace dry-pipe valve trim + Extend sprinkler protection to exterior projection + Prepare as-built sprinkler drawings and hydraulic calculations
2020	Pavement Repairs	\$66,080	+ Patching, crack sealing, sealing and striping of asphalt pavement
2032	Roll-up Door Replacement	\$23,234	+ Replace metal 20' roll-up doors + Replace residential metal garage doors (single-car)
2035	Roof Replacement	\$105,092	+ Office, Recycle Center, Shed, and Pavilion Roof Replacement
2037	Roof Replacement	\$140,651	+ Trash Center Roof Replacement



**Table 28: Summary of Projects at the Wastewater Treatment Plant**

<i>Wastewater Treatment Plant Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Life Safety Upgrades	\$147,998	<ul style="list-style-type: none"> <li>+ Install fall protection features</li> <li>+ Replace overhead service door at Dewatering Building</li> <li>+ Replace fire doors</li> <li>+ Seal penetrations into stair enclosures with firestopping materials</li> <li>+ Replace exit signs and emergency lighting units</li> <li>+ Replace stair handrails for egress stairways in Dewatering Building</li> <li>+ Replace door thresholds and provide exterior landing for exits from Operations Building and the Blower Building</li> <li>+ Replace stairways in Operations Building and Septage Building</li> </ul>
2020	Process Tank Structural Repairs	\$147,700	<ul style="list-style-type: none"> <li>+ Structural Investigation and Evaluation Report</li> <li>+ Completion of Repairs Recommended by Consultant</li> </ul>
2020	Electrical Repairs	\$40,878	<ul style="list-style-type: none"> <li>+ Electrical Wiring/Equipment Survey and Report</li> <li>+ Completion of repairs recommended by licensed electrician</li> <li>+ Install GFI outlets adjacent to water sources</li> </ul>
2020	Interiors Refurbishment	\$117,223	<ul style="list-style-type: none"> <li>+ Replacement of interior finishes</li> <li>+ Replace windows</li> <li>+ Renew/recalk expansion &amp; control joints</li> </ul>
2020	Roof Replacement	\$85,708	<ul style="list-style-type: none"> <li>+ Replace roofs for all buildings besides Operations Building</li> </ul>
2020	Dumbwaiter Repair	\$31,570	<ul style="list-style-type: none"> <li>+ Repair dumbwaiter</li> <li>+ Install fire door on dumbwaiter</li> </ul>

<i>Wastewater Treatment Plant Capital Projects</i>			
<i>Project Year</i>	<i>Project Title</i>	<i>Cost Estimate</i>	<i>Scope of Work</i>
2020	Plumbing Upgrades	\$48,300	+ Repair corroded plumbing + Replace 80-gallon electric water heater in Blower Building
2020	Mechanical Upgrades	\$61,015	+ Replace air-cooled condensing units for the Filter Building and Operations Building + Replace unit heaters
2020	Fire Alarm System Replacement	\$140,000	+ Replace fire alarm panel and all associated devices
2020	Building ADA Upgrades	\$54,356	+ Correct Priority B accessibility barriers + Correct Priority C accessibility barriers + Correct Priority D accessibility barriers
2021	Roof Replacement	\$33,182	+ Replace Operations Building Roof
2021	Pavement/Sidewalk Repairs and ADA Site Upgrades	\$56,769	+ Repair areas of deteriorated and damaged concrete sidewalk + Patching, crack sealing, sealing and striping of asphalt pavement + New asphalt overlay, repair, and restriping Correct Priority A accessibility barriers
2021	Corroded Plumbing Repairs	\$42,000	+ Repair corroded plumbing
2022	Corroded Plumbing Repairs	\$42,000	+ Repair corroded plumbing
2023	Corroded Plumbing Repairs	\$42,000	+ Repair corroded plumbing
2024	Boiler Replacement	\$54,600	+ Replace boiler in Dewatering Building
2024	Corroded Plumbing Repairs	\$42,000	+ Repair corroded plumbing
2025	Corroded Plumbing Repairs	\$42,000	+ Repair corroded plumbing
2026	Pavement/Sidewalk Repairs	\$42,986	+ Repair areas of deteriorated and damaged concrete sidewalk + Patching, crack sealing, sealing and striping of asphalt pavement + New asphalt overlay, repair, and restriping

**Town of Scituate**  
**Capital Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
58	Facilities Study	2022-440-01	Sewer	2022	S	\$ 660,000	
67	Inflow & Infiltration	2022-440-02	Sewer	2022	S	\$ 220,000	
71	Infiltration/Inflow- Oceanside	2022-440-03	Sewer	2022	S	\$ 4,900,000	
68	Clarifier Upgrade	2022-440-04	Sewer	2022	S	\$ 230,000	
61	Automated Aeration Valves	2022-440-05	Sewer	2022	S	\$ 85,000	
46	Laboratory Rehabilitation	2022-440-06	Sewer	2022	S	\$ 100,000	
57	Rehab First Parish Pump Station	2022-440-07	Sewer	2022	S	\$ 123,000	
60	Replace #5-1 2005 Ranger with 4x4	2023-440-01	Sewer	2023	S	\$ 58,746	
67	Add to Collection System for Phased Expansion	2023-440-02	Sewer	2023	S	\$ 12,000,000	
68	Heavy Equipment - Loader	2023-440-03	Sewer	2023	S	\$ 198,400	
57	Structural Repairs at Wastewater Treatment Plant	2023-440-04	Sewer	2023	S	\$ 250,000	
67	Inflow & Infiltration	2023-440-05	Sewer	2023	S	\$ 220,000	
72	Infiltration/Inflow Chain Pond	2024-440-01	Sewer	2024	S	\$ 4,200,000	
38	Replace Truck 5-4	2024-440-02	Sewer	2024	S	\$ 58,000	
61	Replace UV System	2024-440-03	Sewer	2024	S	\$ 700,000	
47	Influent Grit Removal	2024-440-04	Sewer	2024	S	\$ 2,050,000	
57	RAS Capacity	2024-440-05	Sewer	2024	S	\$ 360,000	
67	Inflow & Infiltration	2024-440-06	Sewer	2024	S	\$ 220,000	
65	Clarifier Replacement	2025-440-01	Sewer	2025	S	\$ 1,250,000	
55	Replace WWTP Generator	2025-440-02	Sewer	2025	S	\$ 440,000	
57	Influent Pump Upgrade	2025-440-03	Sewer	2025	S	\$ 1,630,000	
67	Inflow & Infiltration	2025-440-04	Sewer	2025	S	\$ 220,000	
67	Inflow & Infiltration	2026-440-01	Sewer	2026	S	\$ 220,000	
38	Replace Truck 5-2	2026-440-02	Sewer	2026	S	\$ 61,000	
<b>Total</b>						<b>\$ 30,454,146</b>	

10/30/2020, 7:38 AM

\*Appearing for the first time on the plan

FY22-26 Master Listing (by dep)

# Town of Scituate

## Capital Plan Summary for Sewer

### 2022

- 1. 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
- 2. 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. Revised and updated capital request submission to reflect the activities performed and anticipated under this ongoing capital investment. Amount requested each year is \$220,000
- 3. Infiltration and Inflow Repair Phase:** 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 FY22 will focus on the remaining priority areas identified in the previous study phase. Amount requested is \$4,900,000
- 4. 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
- 5. 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
- 6. 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

7. **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. Probable costs to repair vehicle (if needed) exceed asset value of vehicle. Routine replacement amount requested updated to reflect steel market. Amount requested: \$58,746
2. **Sewer System Expansion:** This request is to set aside funds in order to complete remaining sewer system expansions. Currently, three phases of sewer expansion are incomplete. The amount requested here is to cover costs associated with phase V of the sewer expansion. Amount requested is \$12,000,000
3. **Heavy Equipment:** Capital investment to provide for heavy equipment to be used in conjunction with division projects and operations. Currently the division depends on other departments or contracted services for use of equipment. The increased focus on capacity restoration will require increased frequency of collection system debris and material removal and disposal, the use of heavy equipment is needed for handling and transportation of materials. Equipment will be utilized for snow removal activities in the winter season. Amount requested: \$198,400
4. **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 Truck 5-4:** Replace 2008 Chevy Silverado utility truck with similar model. Current vehicle lacks a crane or snow removal package, new truck should include crane and snow removal accessories. Amount requested: \$58,000
3. **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
4. **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
5. **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. Revised request to increase amount requested to reflect anticipated costs of design of the replacement and disposal of the existing. Amount requested: \$440,000

- 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

## 2026

- Replace Truck 5-2:** Replace 2013 Chevy Silverado with similar current model. Existing truck has a crane package, toolbox, snow removal package, plow and other related equipment, replacement shall be provided with same accessories. Amount requested: \$61,000

### **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 threshold with the DEP and EPA and requires that the Town needs to continue 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 due to defects found in the collection system and private services. 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 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 and system capacity, an aging collection system, vulnerabilities identified in the recent municipal vulnerability study, and a pending new permit; the division strongly recommends

conducting a comprehensive facilities and wastewater management plan for the WWTP and to plan for capital improvements moving forward.





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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	
Study/Design	\$600,000	\$600,000					<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	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$60,000	\$60,000					<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$660,000	\$660,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" 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	\$660,000	\$660,000	\$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



250 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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August 26, 2015  
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- Screenings removal in the preliminary treatment building is labor intensive and outdated. Facilities supporting the screening process, including access to the screenings room and ventilation systems require improvements.
- The influent pumps' firm capacity may be lacking
- The manual method of removed grit from the aerated grit chamber likely allows significant amounts of grit to proceed to downstream processes
- The lining of the influent peak-flow storage lagoons is not sound.
- HVAC systems throughout the site's older buildings
- Potential reduction in effluent copper from 20 ug/L to 4 ug/L. Copper compliance has been challenging for the facility.

The intent of this facilities assessment will be to investigate the WPCF in detail, identify a comprehensive list of necessary improvements, evaluate the relative priority and scheduling of these improvements, and develop a recommended CIP for the WPCF including budgeted costs.

## Scope of Work

### Task 1 -Project Management and Coordination

Kickoff Meeting. CDM will hold a project kickoff meeting at the beginning of the project to review the scope of work and the project schedule, to schedule initial site visits, and to begin data collection.

Project Meetings. CDM suggests two progress meetings during the project: one after the data collection and facilities assessment tasks (see Tasks 2 and 3, below) are complete, and one coinciding with CDM's submittal of the draft report. The purpose of the first meeting will be to review the results of the field facilities assessment. At the second meeting, CDM will present the draft report to Town staff.

### Task 2 - Data Collection and Analysis

CDM Smith will request from the Town a comprehensive "data dump" of the plant's operating data from the last 3-5 years. This data (influent, effluent, and inter-process) will aid in our field investigations and to highlight facilities with O&M issues or needs.

CDM Smith will manipulate the data to determine the current range of influent flows and loads, including average annual, maximum 30-day average and maximum-day conditions, necessary to evaluate the adequacy of the various unit processes at the plant. In addition, the resulting



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peaking factors and parameter ratios (e.g., influent BOD:TKN) are important to understand when evaluating plant operation.

### **Task 3 – Facilities Assessment**

CDM Smith will conduct a Facilities Assessment of the WPCF with the goal of identifying necessary capital improvements through 2035, and determining the costs associated with the needed improvements.

Following review of the WPCF available documents described in Task 1 and a basic familiarization with the WPCF, CDM Smith will conduct a field assessment of the WPCF. The field assessment will include specialists from the following technical disciplines:

- Process/mechanical;
- Operations and Maintenance (O&M);
- Electrical;
- Instrumentation and control;
- Structural;
- Architectural;
- Civil/site; and
- HVAC.

The field assessment activity will require some time from Town WPCF personnel to act as guides and answer questions from CDM Smith staff. CDM Smith will coordinate with plant staff to schedule convenient times.

The field facilities assessment will result in a list of recommended improvements to the WPCF, and a recommended schedule of implementation of the improvements, through 2035. CDM Smith will also indicate the reason(s) for each recommended improvement. Possible drivers for recommended improvements may include:

- Safety considerations. Examples might include repair or replacement of guardrail in poor condition, removal of trip hazards or providing protection for unguarded rotating machinery.



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- Reliability. There are several areas of the existing WPCF where there is no backup or standby equipment available in case of failure of the primary unit or to facilitate regular maintenance of the primary unit (for example, the influent screen). Recommendations may include installation of standby equipment, where cost-effective, to reduce vulnerability to process downtime.
- Operational efficiency/energy savings. CDM Smith's facilities assessment may identify process changes, system adjustments or equipment replacements that would result in a reduction of ongoing O&M costs and/or energy consumption. This type of capital improvement frequently has pay-back periods of five years or less, and is therefore cost effective over a 20-year planning period. Importantly, improvements that result in a decrease in energy consumption very often qualify for partial cost rebate from the electric utility. Recommended improvements that may qualify under the rebate program will be earmarked. Potential examples might be replacement of the existing blowers, installation of new, more efficient pumps to replace old units, and new automatic control systems to optimize efficiency.
- Preventive maintenance. CDM's technical staff may identify preventative maintenance items that can be accomplished at minimal cost and save potential higher costs in the future for equipment or component replacement.
- Repair. There are several components of the WPCF that are in need of repair work. These will be identified and itemized.
- Odor Control. The WPCF currently does not include any odor control facilities. The cost vs. benefit of installing odor control in some process areas will be considered.
- Code update. Some areas of the WPCF have not undergone major capital improvements in more than 20 years. Codes that apply to many aspects of the WPCF have been updated in the years since, and CDM Smith expects that a significant number of code-compliance issues will be identified in the on-site audit. Typical code-compliance items identified at existing WPCFs include inadequate ventilation of electrically-classified spaces, inadequate clearance or egress, and non-compliance with EPA's reliability criteria regarding electrical systems at wastewater treatment plants.
- Modernization. Much of the equipment and operating systems are now nearing or are beyond the normally expected service life, and CDM Smith will identify and recommend improvements that will modernize the plant. To conclude this task, CDM will develop capital cost estimates for each of the recommended improvements. As noted above, we will then meet with the Town to discuss the results of the facilities assessment task.



Mr. Kevin Cafferty  
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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](#)

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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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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2022-440-02
Project Title:	Inflow and infiltration
Category:	Construction
Department: DPW: Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                         Multiyear       Phase - Ongoing

**Description:**

Provide funding for ongoing inflow and infiltration detection, prevention, and removal measures. Town staff routinely inspect new and old services and perform both reactive and preventative inspections and cleanings of sewer collection system. When inflows or infiltration sources are found projects are arranged for their remediation and repair or removal from town sewer.

Project examples include: vac-con jetting and cleaning, disposal of debris, manhole replacement, sewer main inspection, CCTV, smoke testing, multi sensor inspections for interceptors and manhole structures, visual field investigations, lateral service replacement, sewer pipe lining installation, pressure testing, excavation, and by pass pumping.

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

*Project removes excess flows from town collection system, reduces wear and tear and energy costs across the board, increases capacity of affected collection system, pump stations, and WWTP. If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or deferred.*

**Discuss Operating Budget Impact:**

*Short term investment that can lead directly to reduced energy and chemical costs for the following year (reduces costs most driven more severely by flows at the facility), long term can restore system capacity to provide sewer service for existing and new areas.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$100,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Land Acquisition	\$0					
Construction	\$750,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Equipment/Furnishings	\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,100,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,100,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

1. Priority ranking based on the subarea's total I/I divided by the inch-miles. Based on MassDEP guidelines, subareas 2, 2 3-1, 7-1 and 8-1 were not recommended for further inspection.
2. I/I Investigations cost includes flow isolation, cleaning and CCTV inspection, smoke testing, manhole inspections, and multi-sensor inspection of the main interceptor (where applicable). Cost does not include follow-up investigations such as house-to-house inspections and dye testing.
3. High priority subareas assumes 10%-15% of mainline sewer will need to be open cut replaced and 50%-70% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 50%-70% of the manholes will need to be rehabilitated and 50%-70% of sewer services will need to be open cut replaced.
4. Low priority subareas assumes 7.5%-12.5% of mainline sewer will need to be open cut replaced and 40%-60% will need to be cured-in-place pipe (CIPP) lined. Also assumes that 40%-60% of the manholes will need to be rehabilitated and 40%-60% of sewer services will need to be open cut replaced.
5. Cost does not include main interceptor rehabilitation. This cost should not be estimated until a multi-sensor inspection is completed.
6. Construction cost includes construction contingency, engineering and permitting, bidding, construction services and police. Costs are in August 2016 dollars.
7. High cost for subarea 4-2 includes replacement of existing gravity system with new low pressure sewers and grinder pumps.

**TABLE 5**  
**TOWN OF SCITUATE**  
**FLOW MONITORING PROGRAM AND I/I ANALYSIS MEMO**  
**OPTION 1 - COST SUMMARY**

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	185,290	38,385	146,905	7.56	24,516	185,290	9%
2	3-1	332,570	93,102	239,468	32.10	7,464	517,860	25%
3	3-1	355,870	56,548	299,322	27.25	10,998	817,180	35%
4	4-1	205,248	5,139	199,109	23.49	8,475	1,026,328	45%
5	2-2	168,481	46,518	121,963	37.64	3,184	1,148,311	57%
6	3-1	397,558	77,789	319,769	77.25	4,164	1,468,070	76%
7	2-2	139,386	26,572	112,814	30.59	4,572	1,607,646	83%
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%
<b>System Total</b>		<b>2,081,670</b>	<b>366,413</b>	<b>1,715,257</b>				
			<b>17.60%</b>	<b>82.40%</b>				

**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)



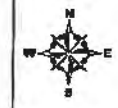
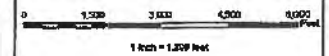
**Town of Scituate  
Massachusetts**

**Figure 5  
I/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**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-19-2019 Date of Last Edit: 9-18-2019

Project Number:	2D22-440-04		
Project Title:	Clarifier Upgrade		
Category:	Equipment Parts		
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:**

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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$50,000		\$50,000			
Equipment/Furnishings	\$140,250		\$140,250			
Contingency	\$39,750		\$39,750			
Other	\$0					
<b>TOTAL</b>	<b>\$230,000</b>	<b>\$0</b>	<b>\$230,000</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>\$230,000</b>	<b>\$0</b>	<b>\$230,000</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





**From:** [Alan Houtz](#)  
**To:** [William Branton](#)  
**Cc:** [John K. Esler, P.E., President, Clarifier Performance Evaluations, Inc.](#); [Jim Weidler](#); [Mojib](#)  
**Date:** Wednesday, September 26, 2018 10:10:44 AM  
**Attachments:** [image001.png](#)  
[image004.png](#)

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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,



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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 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.

### 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

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**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-19-19

Date of Last Edit: 9-20-19

Project Number:	2022-440-05		
Project Title:	Automated Aeration Valves		
Category:	Equipment		
Department:	DPW Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

Replace six existing manual aeration tank valves with automated high efficiency aeration valves integrated with SCADA.

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

Current aeration valves are in poor condition and result in air leaks and inefficient air flow balancing. The aeration system is powered with 100 horsepower motors and is one of the most significant factors in the electric use at the WWTP. Existing valves can unexpectedly change position which can result in wasted energy supplying air to a tank that may be offline, overtime call-ins for operators to address low oxygen levels in tanks that are online, and damage to the main aeration blowers and motors from backpressure on the line.

**Discuss Operating Budget Impact:**

The Sewer Division is currently applying for energy efficiency grants. Our intention was to replace one of our old aeration blowers with a high efficiency blower and to replace our aeration valves with automated jet valves that offer substantially higher efficiency and reliance. Unfortunately the costs for aeration valves combined with the blower package exceeds the maximum amount offered by the grant. Replacing these valves will reduce our electric costs and prevent damage to the existing and new blowers.

Vendors quote does not meet specifications requested for high efficiency valves and does not include installation costs or instrumentation. Current request is for planning purposes and will be revised with actual costs.

**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 checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$85,000		\$85,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$85,000	\$0	\$85,000	\$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	\$85,000	\$0	\$85,000	\$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					

# 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.

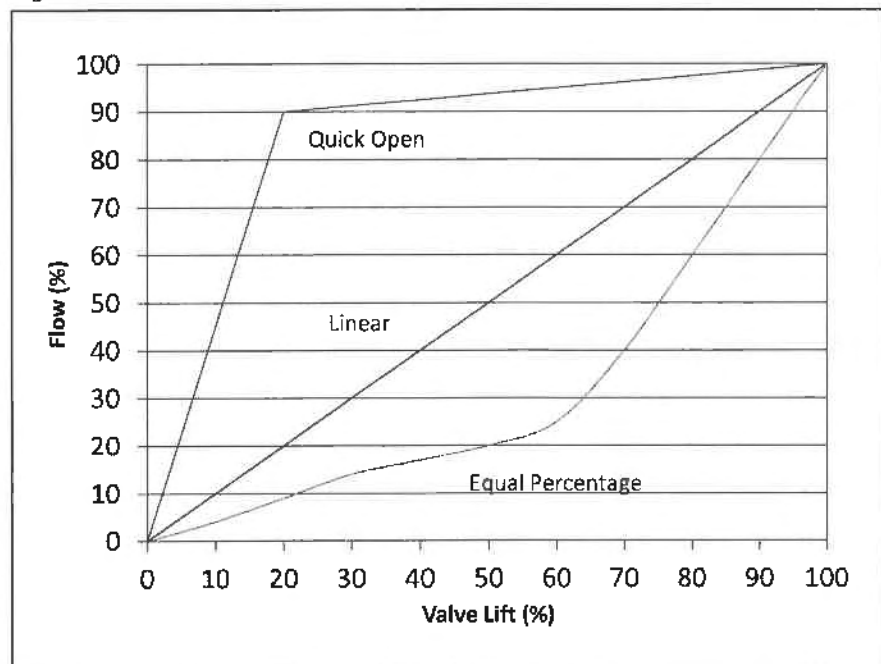
Aeration systems are the largest energy consumer at large wastewater

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



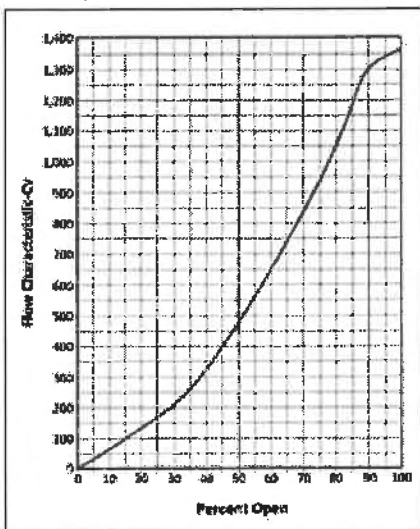


**Improved Design Of Butterfly Valves**  
 Industrial butterfly valves were originally and are still used as 'shut off' valves. While butterfly valves are not good control valves, they are used almost exclusively for this purpose in air lines at aeration basins throughout North America. Why? Aeration 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 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.

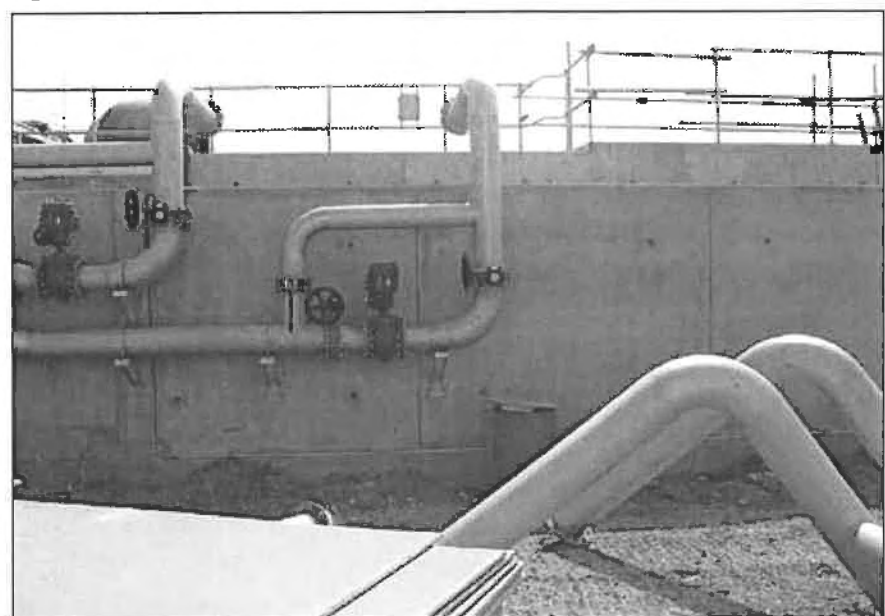
### Use of Eccentric Plug Valves

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



# VALVES and PIPING

## 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 ( $Q_{min}$ ) and maximum value ( $Q_{max}$ ). 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, (BKLin). The butterfly valve is slightly more than 40% open at  $Q_{min}$  and 65% open at  $Q_{max}$ . The iris valve is 24% open at  $Q_{min}$  and 90% open at  $Q_{max}$ . 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)

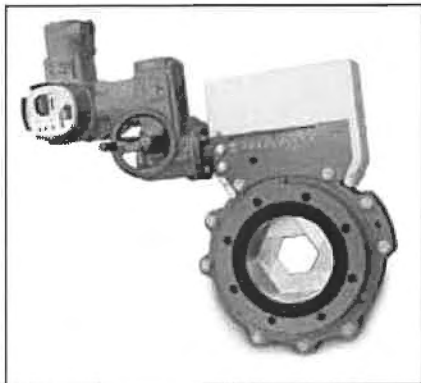


Figure 6 – Iris and Butterfly Valve Characteristics (Courtesy of Egger)

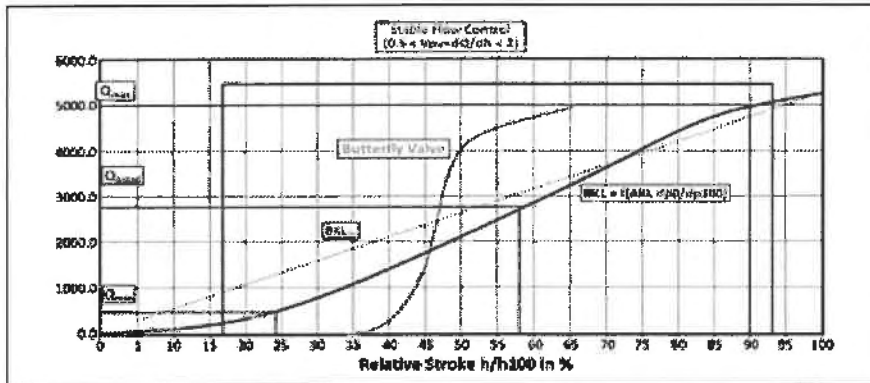
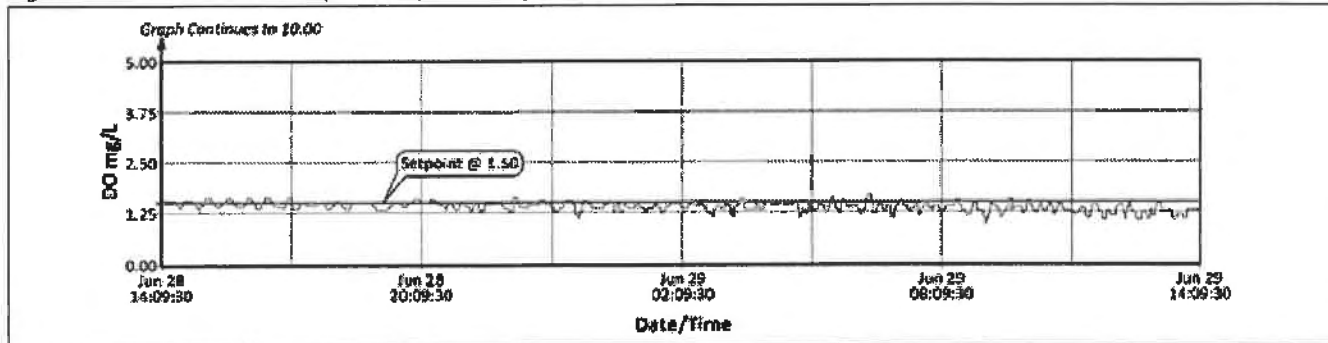


Figure 7 – Iris valve - DO Setpoint Repeatability (Courtesy of Egger)



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)

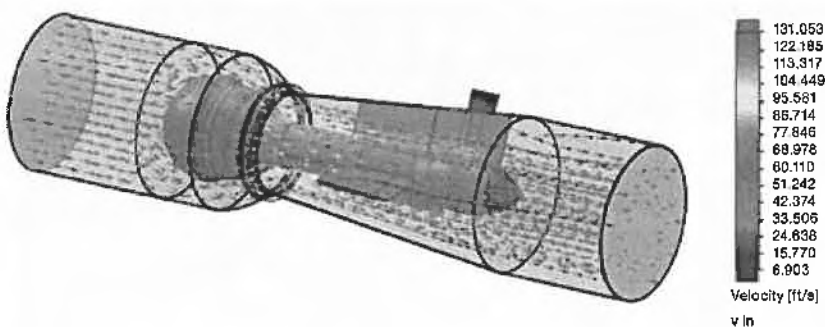


Figure 9 – Binder Vacomass Jet Valve (Courtesy of Binder)



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
Controllable 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
Bubbletight shutoff?	Yes	No	Yes
Weight comparison	--	Approx 3 x butterfly valve	3.5 to 5.5 x butterfly valve
Price comparison	--	1.8 to 2.3 x butterfly valve	1.12 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.

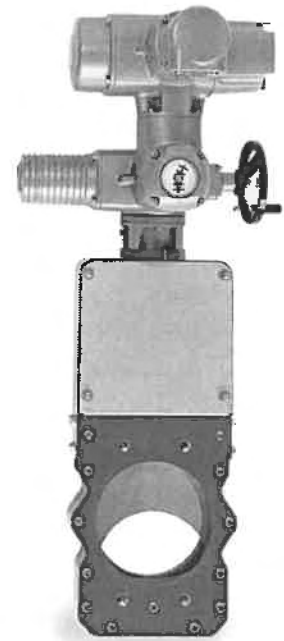
## 2. Technical Proposal

### 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.

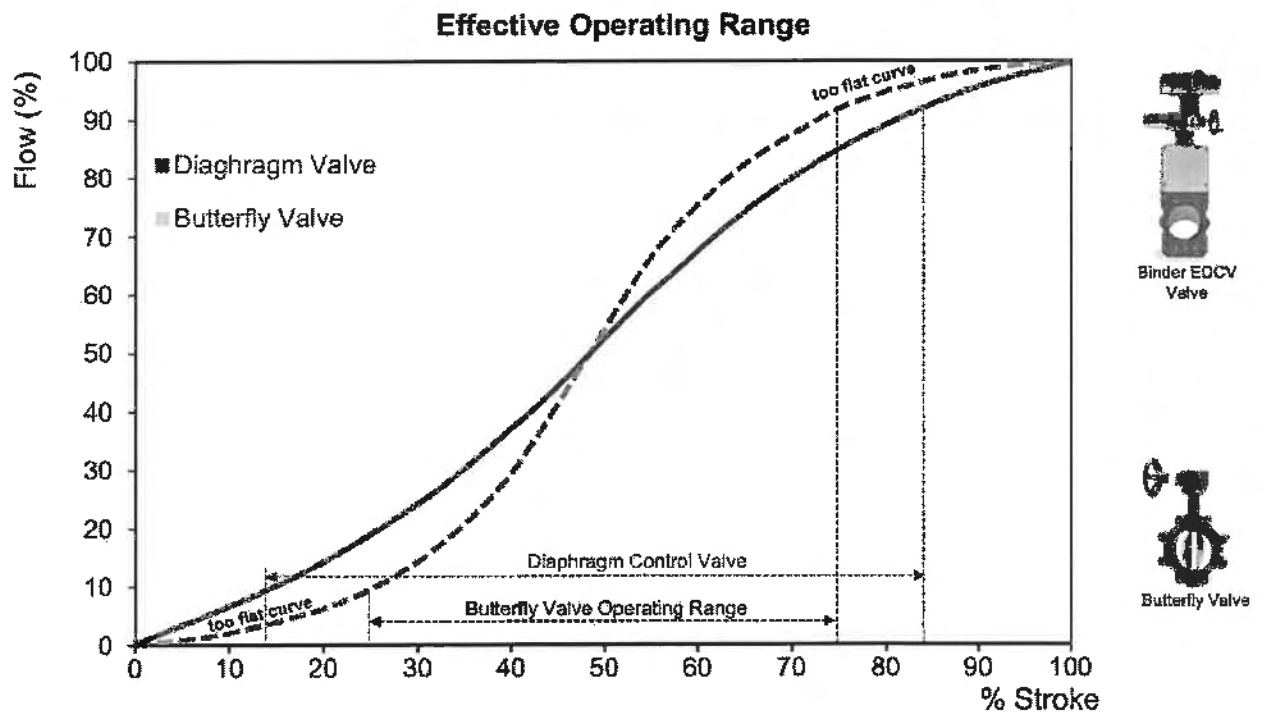


**Preliminary Proposal for Scituate WWTP, MA**

**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	0.13	N/A



Effective Operating Range - %Stroke vs. %Air Flow Curve



**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

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**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\\_FN\\_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



### **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**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2022-440-07
Project Title:	First Parish Pump Station Rehab
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:**

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 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 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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 9-19-19

Date of Last Edit: 10-15-20

Project Number:	2023-440-01		
Project Title:	Replace Truck 5-1		
Category:	Equipment		
Department:	DPW Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**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					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 checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$53,346			\$53,346			<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$5,400			\$5,400			<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$58,746</b>	<b>\$0</b>	<b>\$0</b>	<b>\$58,746</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>\$58,746</b>	<b>\$0</b>	<b>\$0</b>	<b>\$58,746</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					



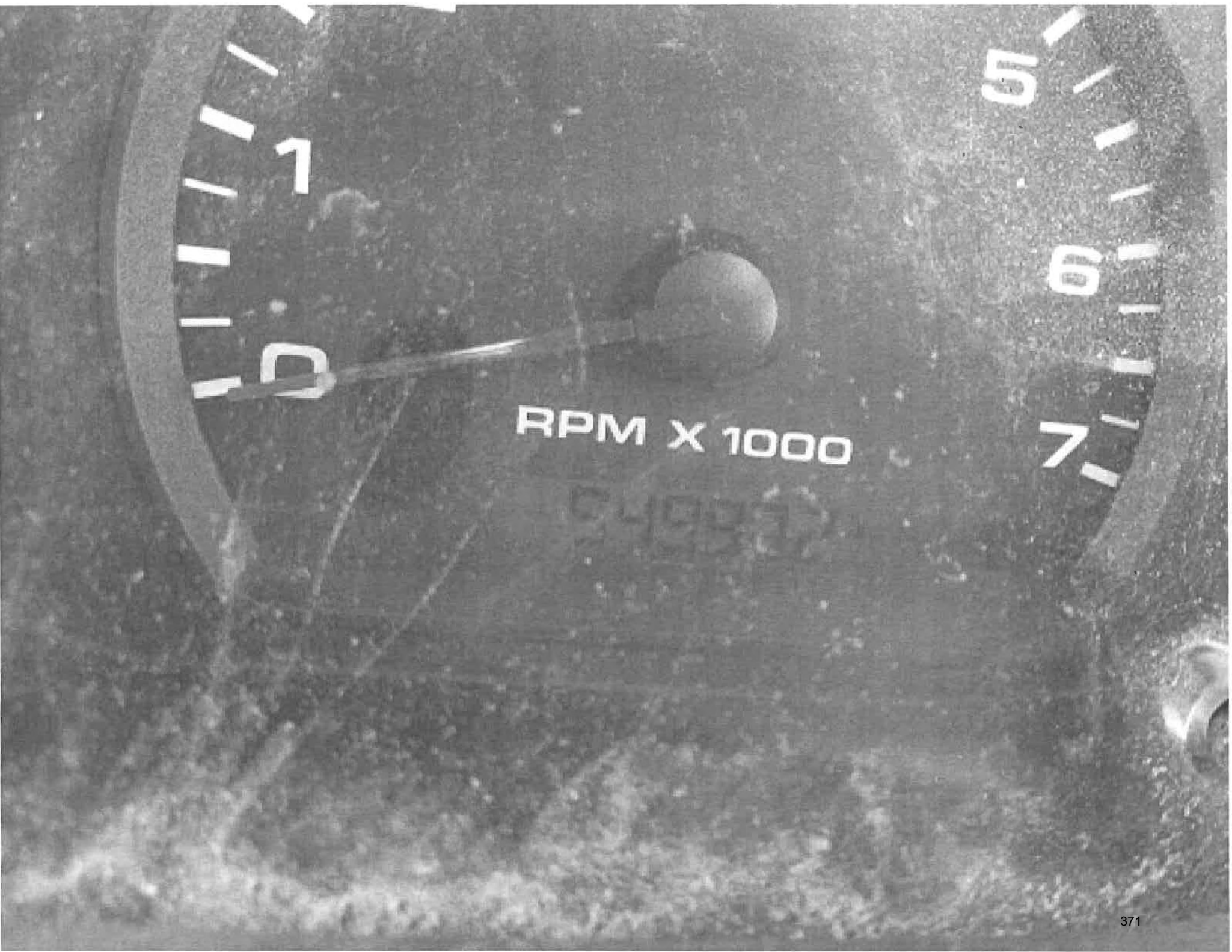
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WESTPORT



TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
SEWER DIVISION

Massachusetts  
78-745  
OFFICIAL



RPM X 1000

C4000

**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.

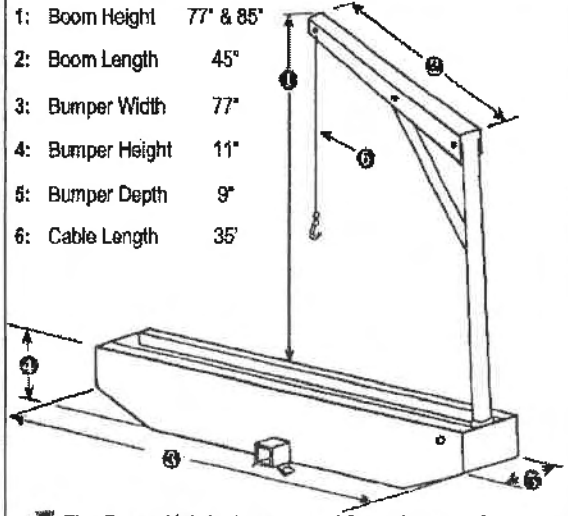
**CONSTRUCTION:** The Bumper shall be of 2" X 5" tubular steel construction. The Mast shall be seamless DOM tubing with strong back. The Boom shall be formed from 1 piece of 3/16" ASTM A572 Grade 50 High Tensile Steel. All Sheaves shall be steel with sealed roller bearings. All Sheave Pins shall be made 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.

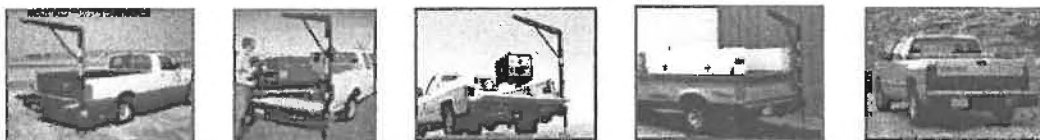
**WARRANTY:** Manufacturer shall warrant the materials and workmanship for a period of one year from the date of delivery (excluding cable).

- 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'



▼ 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	Time	7:51 AM	Make	CHEVROLET
Home	Scituate, MA 02068	V.I.N. #	Advisor	Paul	Model	K2500 HD
Work	781-545-8731(32)	Eng/Trans	Division	RE	Lic #	
Fax			PO#		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 TM Artcard  
 1835 J  
 + FEAT 2.5 RQM.  
 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
Sublets	\$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 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.

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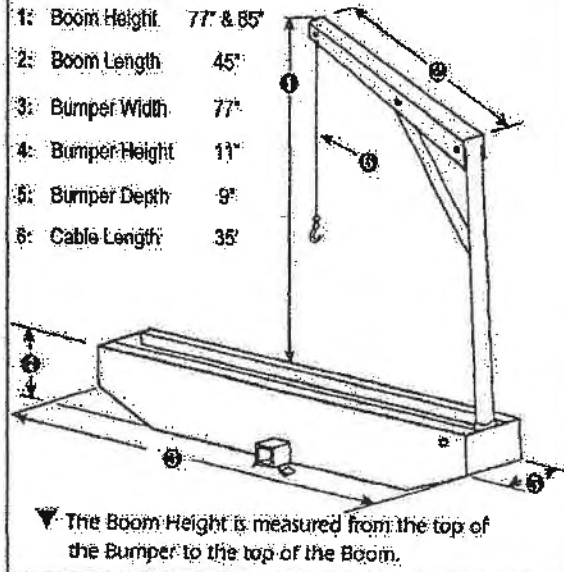
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**DOCUMENTATION:** The Crane shall be furnished with detailed Installation Instructions, Operation and Safety Instructions, Parts List, and Maintenance Instructions.

**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.



# Metropolitan Truck Center Inc.

# Service Estimate 12432

Name Address	Town Of Scituate(Sewer)Dep 161 Driftway  Scituate, MA 02066 781-545-8731(32)	Company Address 2  VTN # Eng/Trans	Created Time Promised Advisor Division PO# Page#	09/13/18 7:51 AM  Paul RE  1 of 1	Year Make Model Lic.# Unit# PH#	2017 CHEVROLET K2500 HD
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### 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.metropolitantruck.com](http://www.metropolitantruck.com)**

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

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number:	2023-422-02		
Project Title:	Add to Collection System for Phased expansion		
Category:			
Department:	Sewer	Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**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 checked="" 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

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>\$12,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000,000</b>	<b>\$0</b>	

<b>Operating Budget Impact</b>							
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 sewers.

In 1995, the Final Facilities Plan and Environmental Impact Report (EIR) for Wastewater Management and the Supplemental Final Environmental Impact Report (SFEIR) evaluated each study district. In May 1996, the Secretary of Environmental Affairs determined that the SFEIR was in full compliance with the Massachusetts Environmental Policy Act (MEPA). In 1996, the Town prepared a Growth and Connection Control Plan to assure that the capacity of the wastewater treatment plant was not exceeded. In January 2000, the town of Scituate commenced work on a 12-phase Rehabilitation Program intended to reduce infiltration and inflow (I/I) in the existing sewer system.

Most recently, in March 2001, the Town completed a Sewer Expansion Study that evaluated and ranked each sewer district based on lot size, soil suitability and groundwater evaluation. This study indicated that thirteen districts were in need of sewers and grouped them into six general areas or phases, as follows:

- Phase I - Greenbush/Reservoir (Districts 23 and 28)
- Phase II - The Cliffs (Districts 30, 31, 32 and 33)
- Phase III - Musquashcut Pond (District 1A)
- Phase IV - Front Street (District 24 and 25)

- Phase V - North Scituate (Districts 3, 6 and 10)
- Phase VI - Minot (District 1)

### **SCOPE OF SERVICES**

The proposed scope of services with regard to re-evaluation of the current sewer phasing plan is separated into the following general tasks:

- Task 1 – Kick-off Meeting
- Task 2 – Review & Summarize Previous Planning Efforts
- Task 3 – Provide Updated Mapping of Collection System
- Task 4 – Update Wastewater Treatment Facility Flows & Establish Future Flow Requirements
- Task 5 – Establish Massachusetts Environmental Policy Act (MEPA) Requirements
- Task 6 – Update Needs Analysis & Recommended Phasing for Remaining Areas
- Task 7 – Project Summary Report

#### **Task 1: Kick-off Meeting**

The first task will be to conduct a "kick-off" meeting involving all of the individuals with the Town of Scituate that will have involvement in, or input to, the project. Efficient coordination with multiple entities will be a key element of the study effort. This kick-off meeting will provide an opportunity to 1) establish the primary lines of communication with the Town of Scituate; 2) establish goals and expectations for the project; and 3) compile all available data and plans relevant to the project.

#### **Task 2: Review & Summarize Previous Planning Efforts**

Review and summarize collection system planning studies performed to date, including but not limited to documents detailed above in the Project Background.

#### **Task 3: Provide Updated Mapping of Collection System**

The Town of Scituate Wastewater Collection System Expansion Project figure, prepared by Weston & Sampson Engineers and dated November 2013, shall be reviewed and updated to show the most up to date collection system installed within the town, including the MBTA Greenbush Line sewers.

#### **Task 4: Update Wastewater Treatment Facility Flows & Establish Future Flow Requirements**

Determine the current wastewater flows at the Wastewater Treatment Facility (WWTF), including an update on recent Infiltration/Inflow (I/I) removal efforts. Flow requirements for the remaining phases in need of sewers shall also be established as part of this task.

#### **Task 5: Establish Massachusetts Environmental Policy Act (MEPA) Requirements**

Determine the effort that will be required to bring remaining phases in need of sewers into full compliance with the Massachusetts Environmental Policy Act (MEPA) Office, where applicable. This task will also involve determining the role of the Department of Environmental Protection (DEP) in the MEPA approval process.

#### **Task 6: Update Needs Analysis & Recommended Phasing for Remaining Areas**

Assess and update evaluation criteria that may have changed since previous studies were completed, such as recently installed sewers and septic system failures and/or pumpings. Upon review of the updated evaluation criteria, provide an updated recommendation for sewerage of the remaining phases/areas previously identified.

#### **Task 7: Project Summary Report**

Prepare a Project Summary Report, which will document all information compiled during the study effort,



Mr. Kevin Cafferty  
3/11/2015  
Page 3

providing technical viability and cost effectiveness of the various options investigated, including recommendations.

### **RESPONSIBILITIES OF THE OWNER**

The OWNER will assist the ENGINEER by placing at the disposal of the ENGINEER, all available information pertinent to the project including previous reports and any other data relative to the project.

### **SCHEDULE OF WORK**

We will commence work on this project within ten (10) days of receipt of an executed Agreement and notice to proceed.

The following project milestones are anticipated:

Executed Agreement/Notice to Proceed	<b>April 3, 2015</b>
Kick-Off Meeting	<b>April 9, 2015</b>
Deliver Draft Project Summary Report	<b>June 5, 2015</b>
Deliver Final Project Summary Report	<b>June 25, 2015</b>

### **TERMS OF PAYMENT**

The OWNER agrees to pay the ENGINEER the lump sum fee of \$23,000 for the Scope of Services described herein.

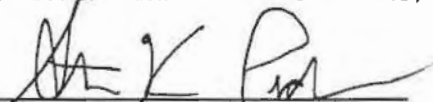
Fees shall be billed monthly as they accrue based upon the services performed as a percent of the total lump sum fee. The OWNER agrees to make payment to the ENGINEER within thirty (30) days of the invoice date.

The ENGINEER'S services will be provided as described herein and in accordance with the attached Terms and Conditions, which are part of our Agreement with you. If you agree with this proposal and wish to retain us to provide the proposed services, please sign and return one copy of this proposal to us as authorization to proceed with performance of the services, and please initial and date the enclosed Terms and Conditions.

We are pleased to submit this offering and look forward to working with you on this project. If you have any questions on this matter, please contact me.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.



Steven K. Pedersen, P.E.  
Senior Associate



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2023-440-03		
Project Title:	Heavy Equipment Purchase		
Category:	Equipment and Furnishings		
Department: DPW: Sewer	Contact:	William Branton	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:      New          Recurring       Resubmission

   Multiyear       Phase - Final

**Description:**

*Provide heavy equipment loader for division's use. The Sewer division is in the process of constructing a debris storage pad as part of efforts to eliminate the backlog of inflow and infiltration cleaning and investigations as well as to remove and dewater the debris that enters the collection system from severe storm events. This equipment will be used to move and load material to be sent to landfills for disposal. This equipment will also be equipped with snow removal options and a plow for snow removal projects. Equipment will also be furnished with lifting bucket and forks specifically for sewer division use with hazardous materials.*

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

*Once the debris pad is constructed grit and debris removal projects are expected to significantly increase in frequency and volume, currently the division calls upon other divisions for the use of their equipment and staff for grit and debris loading and disposal projects.*

**Discuss Operating Budget Impact:**

*Division foresees the need to increase frequency of maintenance projects needing heavy equipment; this will prevent the need for out of department or contracted equipment and labor for maintenance projects for the sewer division.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$176,500		\$176,500				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$21,900		\$21,900				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
							<input type="checkbox"/> CPA
<b>TOTAL</b>	<b>\$198,400</b>	<b>\$0</b>	<b>\$198,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$198,400</b>	<b>\$0</b>	<b>\$198,400</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**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2023-440-04		
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

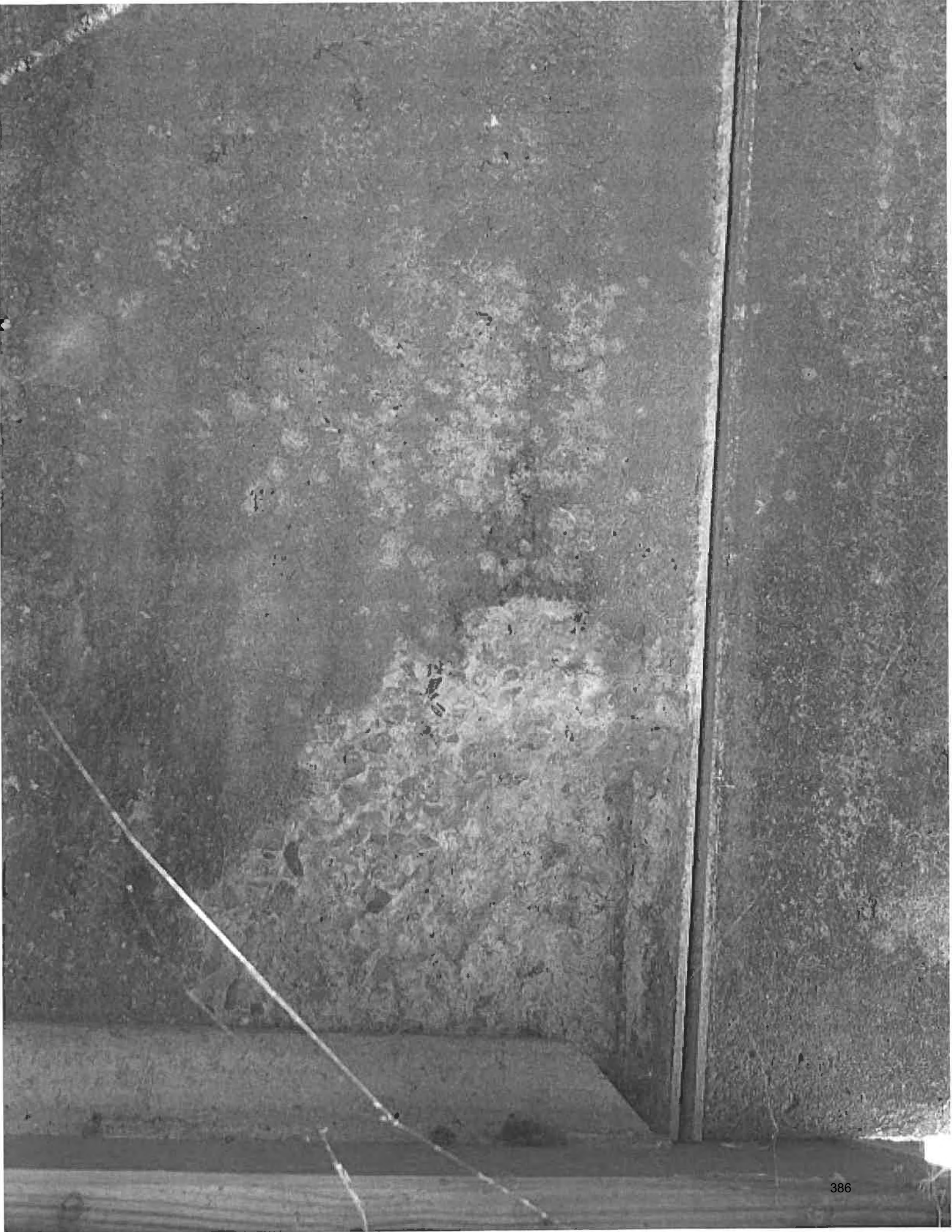
Historical

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.

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2023-440-05
Project Title:	Inflow and Infiltration
Category:	Construction
Department: DPW: Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Ongoing

**Description:**

Providing funding for ongoing inflow and infiltration detection, prevention, and removal measures. Town staff routinely inspect new and old services and perform both reactive and preventative inspections and cleanings of sewer collection system. When inflows or infiltration sources are found projects are arranged for their remediation and repair or removal from town sewer.

Project examples include: vac-con jetting and cleaning, disposal of debris, manhole replacement, sewer main inspection, CCTV, smoke testing, multi sensor inspections for interceptors and manhole structures, visual field investigations, lateral service replacement, sewer pipe lining installation, pressure testing, excavation, and by pass pumping.

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

*Project removes excess flows from town collection system, reduces wear and tear and energy costs across the board, increases capacity of affected collection system, pump stations, and WWTP. If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or deferred.*

**Discuss Operating Budget Impact:**

*Short term investment that can lead directly to reduced energy and chemical costs for the following year (reduces costs most driven more severely by flows at the facility), long term can restore system capacity to provide sewer service for existing and new areas.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$100,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$750,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$250,000	\$50,000	\$50,000	\$50,000	\$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	\$1,100,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	<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	\$1,100,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000

**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**

**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

**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 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 checked="" 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

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>

**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	Construction Range <sup>3,4,5,6</sup>	
				Investigations <sup>2</sup>	Total Low Cost	Total High Cost
				Total		
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	185,290	38,985	146,305	7.56	24,516	185,290	9%
2	5-1	332,670	43,162	289,508	22.10	13,167	517,960	25%
3	5	210,670	30,148	180,522	21.23	8,508	728,620	35%
4		204,240	24,113	180,127	23.01	7,829	908,760	45%
5		126,820	30,618	96,202	31.64	3,042	1,034,980	51%
6		197,458	77,789	119,669	77.25	1,549	1,234,638	76%
7		139,852	26,672	113,180	30.59	3,722	1,374,067	83%
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)

PROJECT NUMBER: 15-001 DATE: 07/20/16 DRAWN BY: J. WILSON



**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
- 18 inch
- 24 inch
- 27 inch
- 30 inch
- 36 inch
- Sub Area



**CDM  
Smith**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2024-440-02
Project Title:	Replace Truck 5-4
Category:	Repair and Maintenance
Department: DPW: Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

Replace 2008 Chevy Silverado utility truck with similar model. Current vehicle lacks a crane or snow removal package, new truck should include crane and snow removal accessories.

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

Truck used in daily operations for checking pump stations and collection system, transporting personnel, equipment, tools, pumps, and materials to and from sites. Lack of good condition vehicles may lead to deferral or delay of projects.

**Discuss Operating Budget Impact:**

Minimal impacts anticipated, routine replacement.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
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	\$58,000			\$58,000			<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$58,000	\$0	\$0	\$58,000	\$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	\$58,000	\$0	\$0	\$58,000	\$0	\$0

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-27-18

Project Number:	2024-440-03
Project Title: Replace UV system	
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 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

**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**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-04		
Project Title:	Influent Grit Removal		
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:**

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
TOTAL	\$2,050,000	\$0	\$0	\$0	\$0	\$2,050,000	<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	\$2,050,000	\$0	\$0	\$0	\$0	\$2,050,000

**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					

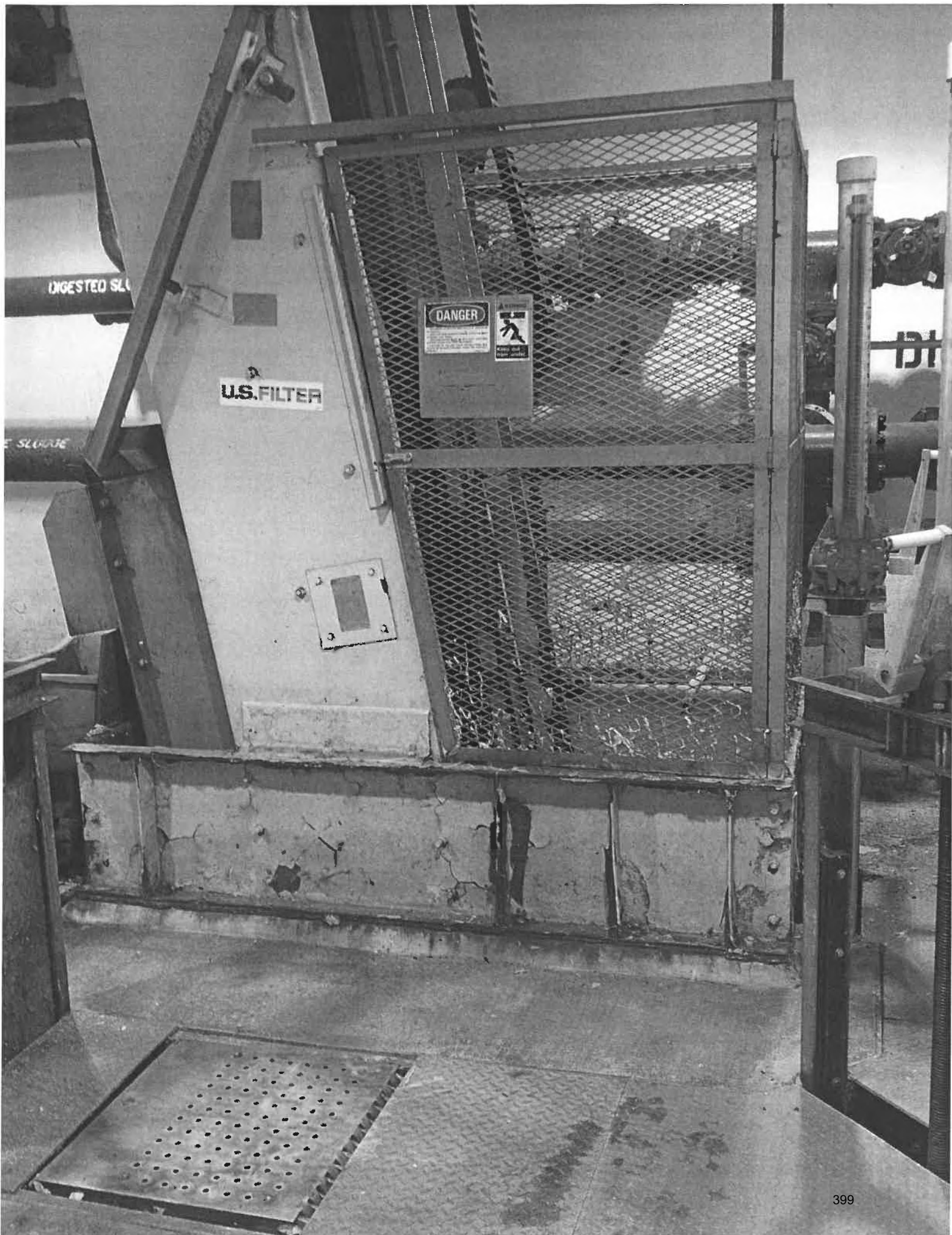




BRUYE

AMES

AMES  
EST. 1774



## 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.

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-05
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				
		FY2020	FY2021	FY2022	FY2023	FY2024
Study/Design	\$30,000					\$30,000
Land Acquisition	\$0					
Construction	\$150,000					\$150,000
Equipment/Furnishings	\$150,000					\$150,000
Contingency	\$30,000					\$30,000
Other	\$0					
<b>TOTAL</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$360,000</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>\$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

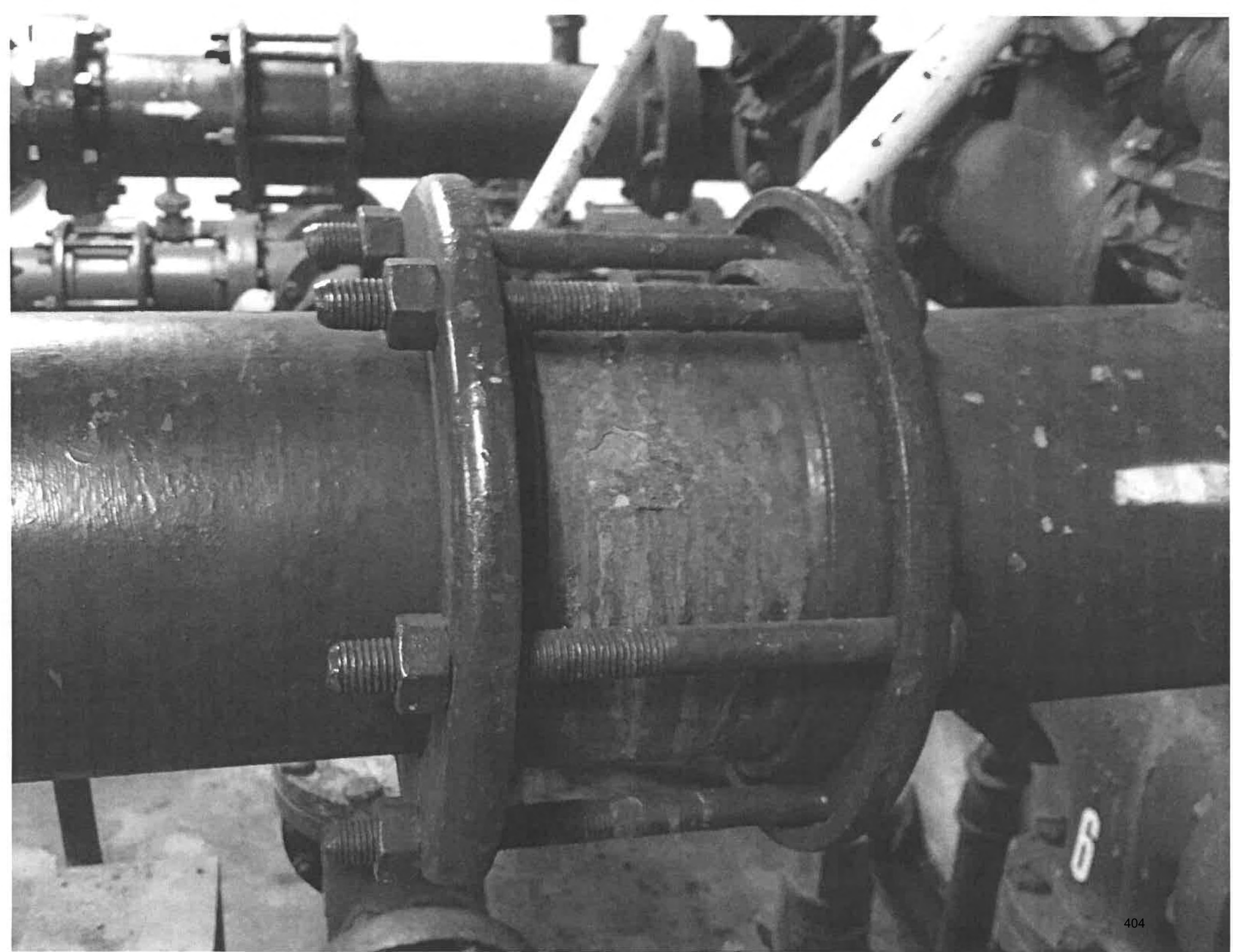
Historical

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 drogoue 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

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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2024-440-06
Project Title:	Inflow and Infiltration
Category:	Construction
Department: DPW: Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

   Multyear [ X ]      Phase - Ongoing

**Description:**

Provide funding for ongoing inflow and infiltration detection, prevention, and removal measures. Town staff routinely inspect new and old services and perform both reactive and preventative inspections and cleanings of sewer collection system. When inflows or infiltration sources are found projects are arranged for their remediation and repair or removal from town sewer.

Project examples include: vac-con jetting and cleaning, disposal of debris, manhole replacement, sewer main inspection, CCTV, smoke testing, multi sensor inspections for interceptors and manhole structures, visual field investigations, lateral service replacement, sewer pipe lining installation, pressure testing, excavation, and by pass pumping.

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

*Project removes excess flows from town collection system, reduces wear and tear and energy costs across the board, increases capacity of affected collection system, pump stations, and W/WTP. If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or deferred.*

**Discuss Operating Budget Impact:**

*Short term investment that can lead directly to reduced energy and chemical costs for the following year (reduces costs most driven more severely by flows at the facility), long term can restore system capacity to provide sewer service for existing and new areas.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$100,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$750,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$250,000	\$50,000	\$50,000	\$50,000	\$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	\$1,100,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	<input 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>\$1,100,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</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**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-01
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
							<input type="checkbox"/> CPA
<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"/> 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**

**Capital Improvement Program: FY2020 - FY2024**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-03		
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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$30,000					\$30,000
Land Acquisition	\$0					
Construction	\$1,600,000					\$1,600,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,630,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,630,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,630,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,630,000</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



## 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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10-15-2020

Date of Last Edit: 10-14-2020

Project Number:	2026-440-01		
Project Title:	Inflow and Infiltration		
Category:	Construction		
Department: DPW: Sewer	Contact:	William Branton	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                         Multiyear       Phase - Ongoing

**Description:**

Provide funding for ongoing inflow and infiltration detection, prevention, and removal measures. Town staff routinely inspect new and old services and perform both reactive and preventative inspections and cleanings of sewer collection system. When inflows or infiltration sources are found projects are arranged for their remediation and repair or removal from town sewer.

Project examples include: vac-con jetting and cleaning, disposal of debris, manhole replacement, sewer main inspection, CCTV, smoke testing, multi sensor inspections for interceptors and manhole structures, visual field investigations, lateral service replacement, sewer pipe lining installation, pressure testing, excavation, and by pass pumping.

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

*Project removes excess flows from town collection system, reduces wear and tear and energy costs across the board, increases capacity of affected collection system, pump stations, and WWTP. If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or deferred.*

**Discuss Operating Budget Impact:**

*Short term investment that can lead directly to reduced energy and chemical costs for the following year (reduces costs most driven more severely by flows at the facility), long term can restore system capacity to provide sewer service for existing and new areas.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$100,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$750,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$250,000	\$50,000	\$50,000	\$50,000	\$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
							<input type="checkbox"/> CPA
<b>TOTAL</b>	<b>\$1,100,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$1,100,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</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 Plan - FY 2022-2026**  
**Sorted by Department, Year & Project Number**

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
56	Replace 2010 Front End Loader	2022-433-01	Transfer Station	2022	TS	\$ 180,000	
56	Replace 2010 Backhoe	2022-433-02	Transfer Station	2022	TS	\$ 142,000	
33	Transfer Station Entrance Gate & Key Card Access	2023-433-01	Transfer Station	2023	TS	\$ 100,000	
52	Replace 2005 Chevy 3500 Truck, Plow & Sander	2023-433-02	Transfer Station	2023	TS	\$ 75,000	
44	Powerwash & Paint Metal Space Buildings	2024-433-01	Transfer Station	2024	TS	\$ 45,000	
<b>Total</b>						<b>\$ 542,000</b>	



# Milton



### 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](http://www.miltoncat.com)

## Budget Quotation

DATE: October 13, 2020

**Scituate DPW**

600 Chief Justice Cushing Hwy.  
Scituate, Ma.

State Contract: VEH93

Qty	Description	List Price	State Contract Price
1	New 2020 CAT 930M Loader Deluxe Cab with Heat and AC, AM/FM Bluetooth Radio Ride Control, Front Differential Lock, Cold Weather Package Heavy Counterweight, Titan tires ISO (Volvo) Quick Coupler with 3rd Valve Hydraulics 3.2 yd General Purpose Bucket with BOCE 2 Extra Front and 2 Rear LED flashing lights Rear View Camera integrated into display 3 year 1500 hour full warranty Delivery and Training, Parts and Service CD	\$ 218,977.00	\$ 172,000.00
Option: 1	60" Forks		\$ 4,500.00

**Total State Contract Delivered Price: \$ 176,500.00**

**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**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2022-433-02		
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: 11,401 Hours). This piece of equipment is an integral part of the day to day operations at the Scituate Transfer Station.*

**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 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				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$142,000	\$142,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$142,000</b>	<b>\$142,000</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>\$142,000</b>	<b>\$142,000</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

# Milton



### Massachusetts & RI Locations:

100 Quarry Dr.  
Milford, Ma. 01757

84 Concord St.  
N. Reading, Ma. 01864

14 Kendrick Rd., Rte 28  
Wareham, Ma. 02571

2158 Plainfield Pike  
Cranston, RI. 02920

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

## Budget Quotation

DATE: October 13, 2020

**Scituate DPW**  
600 Chief Justice Cushing Hwy.  
Scituate, Ma.

State Contract: FAC88

Qty	Description	List Price	State Contract Price
1	New 2020 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	\$ 139,900.00

**Total State Contract Delivered Price: \$ 139,900.00**

**Tom Benedetti Jr**  
Governmental and State Sales  
Mobile Phone: 774-258-1636  
Fax: 774-907-3062



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2023-433-01
Project Title:	Transfer Station Entrance Gate and Key Card Access
Category:	Maintenance
Department: Transfer Station	Contact: Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]    Phase - Final

**Description:**

*The entrance gate at the Scituate Transfer Station is need of repair. As part of the repair a security upgrade is being proposed. A new rolling gate and key card access program will be installed.*

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

Other Town Departments and vendors enter the site during off hours. Having a key card / key code entry would allow for tracking of visitors to the site during off hours. This will combine the conduit trenching project previously proposed with motorized gate with key card access, computers, security and wifi capabilities onsite.

**Discuss Operating Budget Impact:**

**Costs include:**

- Installing electrical conduit and power supply
- Removal of existing gate
- Install new motorized rolling gate and key pads (2)
- Wifi, Cameras, Key Card Access and computer capabilities. (\$50,000)

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
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>\$100,000</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>\$100,000</b>	<b>\$0</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**

**Capital Improvement Program: FY2022 - FY2026**

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

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

Project Number:	2023-433-02
Project Title:	Transfer Station Truck, Plow & Sander
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 2005 Chevy 3500 (15 yrs old) and currently unavailable for use. This vehicle was used by Public Grounds and handed down to the Transfer Station.*

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

*This vehicle will be used to plow snow at the Transfer Station and be able to apply salt before opening without requiring the Highway Department to respond. Occasionally this can cause delays in opening the Transfer Station as well as require calling in a Highway Department employee to respond on overtime/*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$75,000		\$75,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$75,000</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>\$75,000</b>	<b>\$0</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

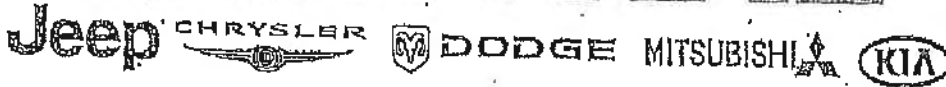
Historical

Housing

**Operating Budget Impact**

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

# CENTRAL



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

IC Madigan 9 Foot Dump \$ 7,695.00 - Also see options listed for Dump Body - add as desired.

BID PRICE \$53,923.00  
Plus Reg Sticker & Delivery \$ 369.00 if desired.

\$54,292 Truck  
6,500 Plow

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

60,792

Sincerely,

\* 1105 PILE ESCALATION

\$63,831

Deborah Emery  
Fleet Manager

10,000 SANDER

TOTAL: \$75,000

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  
 181 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2015-08-23 04:46 AM VIN: Quantity: 1  
 Estimated Ship Date: VON: Status: BA - Pending order  
 FAN 1: DODGE 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 (44788)  
 RAYNHAM (44788) 181 NEW STATE HWY  
 181 NEW STATE HWY RAYNHAM, MA 027675445  
 RAYNHAM, MA 027675445

Vehicle: 2017 5600 REG CAB CHASSIS 4X4 (144.5 In WB - CA of 80 In) (DPK.83)

	Sales Code	Description	MSRP(USD)
Model:	DP0L83	5600 REG CAB CHASSIS 4X4 (144.5 In WB - CA of 80 In)	40,795
Packages:	29A	Customer Preferred Package 29A	0
	ETK	6.7L I6 Cummins Turbo Diesel Engine	7,100
	DF2	6-Spd Auto Aisin AS69RC HD Trans	1,580
Paint/Seat/Trim:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	1SX	Work Grade Vinyl 40/20/40 Bench Seat	225
	-X8	Bike/Diesel Gray	0
Options:	XXS	Upfitter Electronics Module (VSM)	245
	LAN	Power Take Off Prep	285
	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 Body Side Molding	100
	APL	DOT Certified Roadside Safety Kit	150
	TBB	Full Size Spare Tire	360
	AHD	Heavy Duty Snow Plow Prep Group	250
	XHC	Trailer Brake Control	205
	6N8	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:			1,185
Total Price:			54,730

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

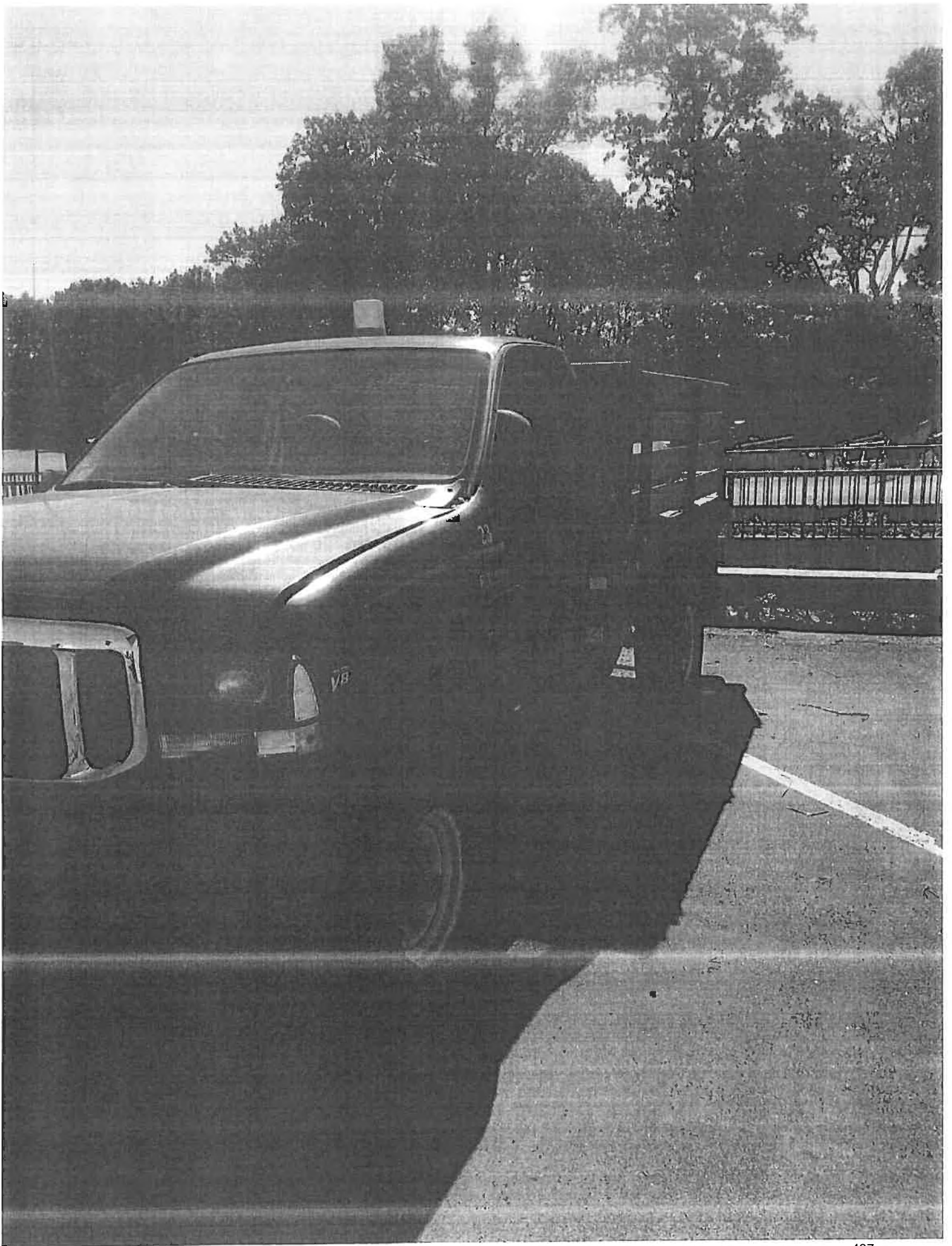
OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINNACLE 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: FY2022 - FY2026**

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

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

Project Number:	2024-433-01		
Project Title:	Transfer Station Powerwash & Paint Metal Space Buildings		
Category:	Maintenance		
Department: Transfer Station	Contact:	Sean McCarthy	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

*Powerwash, paint and small metal repair to the 3 buildings located at the Transfer Station. The buildings were constructed in 2000 and house the major components of the solid waste and recycling operations.*

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

*Maintain the interior and exterior of the facility buildings onsite. Maintain structural integrity of the buildings and improve appearance to the facility.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$45,000			\$45,000		
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</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>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
68	New Water Tank	2022-450-01	Water	2022	W	\$ 2,720,000	
64	Storage Tank Improvements - Aeration & Blower*	2022-450-02	Water	2022	W	\$ 500,000	
62	Well #19 & 22 Upgrades*	2022-450-03	Water	2022	W	\$ 259,000	
59	Well #10 & 11 Upgrades	2022-450-04	Water	2022	W	\$ 489,000	
60	Dolan Field Well Construction	2022-450-05	Water	2022	W	\$ 3,300,000	
48	West End Well Investigation	2022-450-06	Water	2022	W	\$ 300,000	
67	Replace Water Mains Phase 5	2022-450-07	Water	2022	W	\$ 2,100,000	
50	10 Yr Meter replacement cycle program	2022-450-08	Water	2022	W	\$ 210,000	
76	New Treatment Plant	2023-450-01	Water	2023	W	\$ 40,000,000	
38	Replace 2006 Chevy Colorado Pick-up	2023-450-03	Water	2023	W	\$ 59,000	
67	Redevelopment of Public Wells	2023-450-04	Water	2023	W	\$ 125,000	
50	10 Yr Meter replacement cycle program	2023-450-05	Water	2023	W	\$ 220,000	
69	Replace Water Mains - Phase 6	2023-450-06	Water	2023	W	\$ 2,200,000	
54	Reservoir Expansion	2023-450-07	Water	2023	W	\$ 1,790,000	
36	West End Well Construction	2024-450-01	Water	2024	W	\$ 3,000,000	
50	Repair Mann Lot Standpipe - Design	2024-450-02	Water	2024	W	\$ 250,000	
62	Mann Lot Booster Station Upgrades	2024-450-03	Water	2024	W	\$ 150,000	
32	Replace Utility Body Vehicle	2024-450-04	Water	2024	W	\$ 61,000	
52	10 Yr Meter replacement cycle program	2024-450-05	Water	2024	W	\$ 230,000	
67	Humarock Water Mains-Construction	2024-450-06	Water	2024	W	\$ 5,000,000	
69	Replace Water Mains - Phase 7	2024-450-07	Water	2024	W	\$ 2,300,000	
50	Repair Mann Lot Standpipe - Construction	2025-450-01	Water	2025	W	\$ 1,200,000	
62	Walnut Tree Booster Station Upgrades	2025-450-02	Water	2025	W	\$ 107,000	
32	Replace Truck #39 2009 Chevy Silverado Pick-up	2025-450-03	Water	2025	W	\$ 63,000	
50	10 Yr Meter replacement cycle program	2025-450-04	Water	2025	W	\$ 240,000	
69	Replace Water Mains - Phase 8	2025-450-05	Water	2025	W	\$ 2,400,000	
67	Repair Maple Street Standpipe - Design	2026-450-01	Water	2026	W	\$ 250,000	
68	SCADA Upgrade	2026-450-02	Water	2026	W	\$ 700,000	
50	10 Yr Meter replacement cycle program	2026-450-03	Water	2026	W	\$ 250,000	
69	Replace Water Mains - Phase 9	2026-450-04	Water	2026	W	\$ 2,400,000	
68	Well 18B Upgrades	2023-450-02	Water	2023	W	\$ 850,000	
<b>Total</b>						<b>\$ 73,723,000</b>	

10/30/2020, 7:39 AM

\*Appearing for the first time on the plan

FY22-26 Master Listing (by dep)



## Scituate Water FY22 Capital Plan Data

**TO:** Sean Anderson  
**FROM:** Michael J. Schrader, P.E.  
**COPY:** Kevin Cafferty, John N. McClellan, PhD, PE  
**DATE:** October 8, 2020

The following information is provided in support of the Water Department's FY22 Capital Plan.

1. **Corrosion Control Facilities.** The Environmental Protection Agency introduced the Lead and Copper rule in 1991 to address the public health threat posed by exposure to lead leaching out of household plumbing. In 2000, revisions to the lead and copper rule required public water systems to "install the best available corrosion control mechanisms and to continually observe water levels". In response, Scituate constructed corrosion control facilities at all of its wells. To minimize expenses where wells were in relatively close proximity to each other, joint facilities were constructed, Scituate has two such joint facilities. Constructed in 1999/2000 many of the components have reached the end of their design life and are in need of replacement or rehabilitation. The recently completed Water System Master Plan identified the cost of these improvements which are summarized below. It is important to note that these corrosion control stations must be operational in order for the Town to use the wells.

- a. **Wells 10 & 11 Corrosion Control Facility.** Wells 10 & 11 were installed in the 1930's and account for **13%** of the Town's permitted water supply.

Category	Budgetary Cost
PI - Process and Instrumentation	\$76,000
E - Electrical	\$312,500
M - Mechanical (heating, ventilation, air conditioning)	\$29,500
S - Structural, Architectural	\$13,000
C - Civil, Site, Security	\$58,000
<b>Total</b>	<b>\$489,000</b>

- b. **Wells 19 & 22 Corrosion Control Station.** Wells 19 & 22 were installed in the 1956 and 1964 respectively and account for **37%** of the Town's permitted water supply.

Category	Budgetary Cost
PI - Process and Instrumentation	\$ 110,500
E - Electrical	\$ 72,500
M - Mechanical (heating, ventilation, air conditioning)	\$ 29,500
S - Structural, Architectural	\$ 24,000
C - Civil, Site, Security	\$ 22,500
<b>Total</b>	<b>\$ 259,000</b>

2. **New Storage Tank.** Scituate currently has two water storage tanks, Pincin Hill / Maple Street constructed in 1962 and the Creelman / Mann Lot Road tank Constructed in 1938. Both tanks are of welded steel construction and in severe need of rehabilitation and neither tank meets the current AWWA seismic

requirements. The storage evaluation prepared as part of the water system master plan indicates that the total volume of storage provide by the two tanks is sufficient, however the Town has been unable to rehabilitate either tank due to the fact that the construction season coincides with peak demands. The cost provided below is to add a new ground storage tank. During the evaluation phase, consideration should be given to the location and size of the new tank.

**Budgetary Cost**

New Tank	\$1,600,000	escalated from 2018 at 3% per year
Site Work	\$500,000	
Engineering	\$350,000	
<u>Legal/ Site Acquisition</u>	<u>\$20,000</u>	estimate to be confirmed by counsel
<b>Total</b>	<b>\$2,470,000</b>	

Document1



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/19/20

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

Project Number:	2022-450-02
Project Title:	Storage Tank Improvements - Aeration and Blower
Category:	Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]    Phase - Final

**Description:**

On August 5th, 2020 routine samples were collected for Total Trihalomethanes (TTHM) at 4 locations in Scituate. TTHM's are disinfection by-products and/or a reaction of chlorine with organic matter. One location exceeded it's Locational Running Annual Average (LRAA). A public notification of this violation was required and sent out to all residents.

Aeration and blower systems installed in storage tanks can reduce the levels of TTHM's as much as 50-70%. Hot summer temperatures and high demand put a burden on our aging Surface Water Treatment Plant (SWTP) this past summer. This system would help reduce the levels of TTHM's and keep our water system in compliance with the DEP.

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

Significant reduction in TTHM's throughout the entire distribution system. Greatly lowering the risk of future DEP violations and the need to send out public notices.

We are installing mixing systems currently in both of our storage tanks that we hope will reduce the levels of TTHM's however this alone may not be enough. Plans for a new SWTP are ongoing and will bring new technology that could also help reduce TTHM's but it will be several years before it is built. We risk continued violations for TTHM's and public health if we do not fund this project.

**Discuss Operating Budget Impact:**

This system will require annual maintenance and replacement at scheduled intervals as suggested by the manufacturer.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$500,000	\$500,000					<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	\$500,000	\$500,000	\$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	\$500,000	\$500,000	\$0	\$0	\$0	\$0	

**Operating Budget Impact**

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

**Sean Anderson**

---

**From:** Szczesniak, Adam <adam.szczesniak@suez.com>  
**Sent:** Wednesday, October 7, 2020 2:47 PM  
**To:** Sean Anderson  
**Subject:** RE: Suez / TTHM Treatment

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Red Category

Sean,

Sean,

Full turnkey install for a typical system on your tank with mixer, vent, aeration unit runs about \$200K in a 1M tank. Assuming you have additional electrical costs use a budget estimate of 250K per tank working directly with us. We can help you through the process for design, engineering, support, RFP/Bid documents, permitting, etc. and that is included in the costs above. System also comes with a guarantee to meet the performance removal percentage that is required for the water system.

Our turnkey install includes all the installation, welding, paint touch up, qualification and electrical wiring down to the panel that is mounted at the base of the tank. The only other expense is the electrical costs to trench power to the tank if not already at the site and final hookup by a licensed electrician at the panel. Under the Massachusetts tank law, a simple RFP document can be released that also spreads the cost over two years so it would be \$250K/year over 2 years vs. 500K in the first year so that would help stretch the budget but have both tanks installed in the first year.

If you add engineer, spec writing, oversight, etc. then cost probably increases to about 350K range for basically the same system. We had that happen with the system in Swansea with extra costs, hours and complexity to complete the project.

As a comparison with the competition, the Solarbee/Medora option appears a little less expensive on the initial equipment but is much more complex for the install with a pad poured near the tank, blower is mounted at ground level and a chase runs up the side of the tank and into the headspace. Due to the blower location, the system power cost is more expensive to operate over the long run. They also don't exactly guarantee performance and don't have a local service crew if something would break. In Dartmouth, MA the full cost of the Medora system in a single tank was 375K range not including any additional cost of Weston & Sampson engineering, design and oversight.

Hope that helps and let me know if you have any questions. Roughly 500K total or 250k/year over 2 years if that is better for the budget.

Adam Szczesniak  
860-993-3418  
[adam.szczesniak@suez.com](mailto:adam.szczesniak@suez.com)  
Suez Advanced Solutions

**From:** Sean Anderson <sanderson@scituatema.gov>  
**Sent:** Wednesday, October 7, 2020 1:34 PM





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/19/20

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

Project Number:	2022-450-03
Project Title:	*Well 19 & 22 Upgrades
Category:	Design/Construction
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

The Department of Environmental Protection (DEP) requires that all pump stations that add chemicals to water have adequate alarm systems in place. The existing electrical, alarm, and control panels are extremely outdated and all but one alarm function continues to function. There are many possible alarms including high/low pH, high/low chlorine, intrusion, chemical spill, and low temperature to name most of them. They are all currently relying on the last remaining electrical input/output to send out an alarm when one occurs. The old outdated electrical panels need replacing with new technology that will safely monitor the station and properly communicate any alarms that occur.

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

Upgrades to the stations will greatly enhance their safety and functionality. Data pertaining to water quality will be greatly enhanced in an easy to access format. Alarm functions will work as originally intended and in real time.

Due to the complexity of these sites and distance apart, communication from one site to the other is very limited. This makes it hard for the operators to diagnose any alarms that occur. The outdated controls and panels further complicate matters. My biggest concern is that alarms are able to continue to function as intended.

**Discuss Operating Budget Impact:**

Some additional operator training may be needed on the new equipment and panels.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$259,000	\$259,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$259,000	\$259,000	\$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	\$259,000	\$259,000	\$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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/19/20

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

Project Number:	2022-450-07
Project Title:	Water Main Replacement Phase 5
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:**

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 115 miles of water main in the ground replacing just one mile per year will take 115 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.

The older mains are more likely to leak or have main breaks. This causes a disruption of service in that area and may effect water quality in surrounding areas.

**Discuss Operating Budget impact:**

New mains require less repairs and maintenance. They are far less likely to leak resulting in a cost savings.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,100,000	\$2,100,000					<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	\$2,100,000	\$2,100,000	\$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	\$2,100,000	\$2,100,000	\$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



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

## Sample of oldest water mains:

AC Mains Pre-1950 (70+ years old)

Chief Justice Cushing Hwy (1940's)

Old Oaken Bucket (1930's)

Utility Road (1922)

Edgar Road (1939)

Wampatuck Road (1938)

Pondview Ave (1940 6")

Carver Ave (1951 6")

Standish Ave (1940's 6")

Mitchell Ave (1940 6")

Mary's Lane (1940 8")

The Driftway (1930's)



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/19/20

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

Project Number:	2022-450-08
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:**

New meters require less time when performing meter reading. This allows for more time to check problem meters and high readings before the bills have to go out.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
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>\$210,000</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>\$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

2022-450-08



36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0123210
Invoice Date	10/02/2020
Ship Date	10/02/2020
Order Date	10/02/2020
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	Scituate	Meters	Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		316855		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2E1FPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  meter numbers are 10410164 thru 10410223 02668192	60	60		\$234.61	\$14,076.60
Order Taken By: Ryan Hourihan						
Remit to: <b>Ti-SALES, Inc.</b> 36 Hudson Road Sudbury, MA 01776-2039					Subtotal	\$14,076.60
					Other Charges	\$0.00
					Tax	\$0.00
					<b>TOTAL DUE</b>	<b>\$14,076.60</b>

**Invoice**  
1





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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 [x ]    Resubmission [ ]

                  Multiyear [ ]    Phase - Final

**Description:**

Construction of new Surface Water Treatment Plant (SWTP) utilizing the current reservoir with added capacity to treat water from wells 17A and 188 if 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:**

A new SWTP will be more energy efficient and should require far less maintenance. Possible employee overtime cost savings.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" 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>\$40,000,000</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>\$40,000,000</b>	<b>\$0</b>	<b>\$40,000,000</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



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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2023-450-03
Project Title:	Replace 2006 Chevy Colorado Pick-up
Category:	Equipment
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 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:**

May have reduced maintenance costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy <input type="checkbox"/> Debt <input type="checkbox"/> Enterprise Retained Earnings <input type="checkbox"/> Capital Stabilization <input type="checkbox"/> Free Cash <input type="checkbox"/> Revolving Fund <input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other
Land Acquisition	\$0						
Construction	\$0						
Equipment/Furnishings	\$59,000		\$59,000				
Contingency	\$0						
Other	\$0						
<b>TOTAL</b>	<b>\$59,000</b>	<b>\$0</b>	<b>\$59,000</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>\$59,000</b>	<b>\$0</b>	<b>\$59,000</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					



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>\$43,239.25</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  
48,000 x 23% = 59,040  
Requesting \$59,000



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2023-450-04
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:**

May lower electricity costs as well production will be more efficient.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
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	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$125,000	\$0	\$125,000	\$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	\$125,000	\$0	\$125,000	\$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					

**Maher Services, Inc.**

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

Proposal  
 MS-3448

3/14/2018  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	Project:	RE: Well 19 Redevelopment  Scituate, MA
--	----------	---

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>
--	--

Item	Description	Estimated Quantity	Unit Cost	Tax able	Total
1	Goulds 10 WALC 3 stage, 300 GPM @ 110' TDH (stainless steel impellers, coilets 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	\$	<u>1,650.00</u>
				\$	9,955.00
3	30 HP VLS 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				



202,8 - 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	INVO109415
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 R900i Cubic Feet  35 193PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan				Subtotal		\$8,445.96
Remit to: Ti-SALES, Inc. 36 Hudson Road Sudbury, MA 01776-2039				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Invoice

SEP 03 2019



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2023-450-06
Project Title:	Water Main Replacement Phase 6
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:**

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 115 miles of water main in the ground replacing just one mile per year will take 115 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:**

New mains require less repairs and maintenance. They are far less likely to leak resulting in a cost savings.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" 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
<b>TOTAL</b>	<b>\$2,200,000</b>	<b>\$0</b>	<b>\$2,200,000</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>\$2,200,000</b>	<b>\$0</b>	<b>\$2,200,000</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					

2023-450-02

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston B. 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	\$ 75,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,500	\$ 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
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	\$ 7,968	\$ 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>

Hummock 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	\$ 10,775	\$ 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	125	\$ 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	428	\$ 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	339	\$ 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**



## 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

40-057-0002



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2024-450-01		
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 [x]    Resubmission [ ]

                  Multiyear [ ]    Phase - Final

**Description:**

Construction of a new gravel pack ground water well with necessary chemical treatment and apparatus.

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

Expansion of drinking well water resources. Greater capacity to meet future needs and added resiliency to future drought conditions.

**Discuss Operating Budget Impact:**

Increased operating expenses such as utility costs and chemicals to treat the water.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$3,000,000			\$3,000,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000,000</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>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000,000</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					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2024-450-02
Project Title:	Repair Mann Lot Standpipe - Design
Category:	Design
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:**

Engineering and Design services to address items below:

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 many 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:**

Engineering services are needed to ensure the following items are addressed:

Required OSHA upgrades, structural repairs, proper coatings are used, adhesion of coatings is adequate, and to anticipate any other items that may need to be addressed.

**Discuss Operating Budget Impact:**

No impact.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$250,000			\$250,000			<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
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other _____

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>
<b>Operating Budget Impact</b>						
During Project	\$0					
Post-Project Annual						
Post-Project One-time	\$0					

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

Open Space

Recreation

Historical

Housing





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2024-450-04
Project Title:	Replace Utility Vehicle Body
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 - Final

**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:**

May have reduced maintenance costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
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>\$61,000</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>\$61,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$61,000</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

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
5HJ	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

$59,000 \times 34\% =$   
\$ 61,006  
Requesting \$ 61,000





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2024-450-06
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    [ ]    Recurring [x]    Resubmission [x]

                  Multiyear [ ]    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:**

Cost savings for fixing leaking mains and service lines. Water for this area is purchased from the Town of Marshfield. Unaccounted for water (UAW) in this area of Town has been high.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$5,000,000			\$5,000,000			<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>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,000,000</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>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,000,000</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					

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 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)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,950 \$	112,548 \$	678,000 \$	790,548
<b>Totals:</b>	<b>3,950 \$</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>
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 \$	7,968 \$	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	280 \$	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>Hummock 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)		17,350 \$	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 \$	787,611 \$	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	391 \$	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 \$	66,798
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**





2025 = 4.50 - 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>

CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,074	\$ 75,800	\$ 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	\$ 126,700
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	\$ 41,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricknet 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
Ymings 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>

Hunterrock 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	673	\$ 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	1700	\$ 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	\$ 12,804	\$ 72,356	\$ 85,160
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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2025-450-01
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 [ ]

                  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 many 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 and safety issues will be repaired/resolved. New paint will protect the Towns investment in this water storage tank and prevent continued corrosion of tank.

**Discuss Operating Budget Impact:**

Little to no impact on Operating Budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$1,200,000				\$1,200,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$1,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,200,000</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

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

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2025-450-02
Project Title:	Walnut Tree Booster Station Repairs
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:

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				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$107,000				\$107,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	\$107,000	\$0	\$0	\$0	\$107,000	\$0

**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>	\$107,000	\$0	\$0	\$0	\$107,000	\$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



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

JLI	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
SH1	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





2024-450-04

# 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
N2EIFPT	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 Hourhan						
Remit to: <b>Ti-SALES, Inc.</b> 36 Hudson Road Sudbury, MA 01776-2039				Subtotal		\$8,445.96
				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Invoice

SEP 03 2019



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2025-450-05
Project Title:	Water Main Replacement Phase 8
Category:	Construction - 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:**

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 115 miles of water main in the ground replacing just one mile per year will take 115 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:**

New mains require less repairs and maintenance. They are far less likely to leak resulting in a cost savings.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" 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>\$2,400,000</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400,000</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					

2024-450-02v

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2028/2019 (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 Bilar 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
Crickot Circle	480	\$ 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>

Hamrock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,850	\$ 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	\$ 57,898	\$ 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	673	\$ 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	\$ 51,804	\$ 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	\$ 46,787	\$ 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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2026-450-01
Project Title:	Repair Maple Street Storage Tank Design
Category:	Design
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:**

Engineering and Design services to address items below:

The 1.0 Million gallon Maple Street Tank was built in 1968 and has served the town well for many years. The protective coating has been compromised in many 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:**

Engineering services are needed to ensure the following items are addressed:

Required OSHA upgrades, structural repairs, proper coatings are used, adhesion of coatings is adequate, and to anticipate any other items that may need to be addressed.

**Discuss Operating Budget Impact:**

No impact to Operational Budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$250,000					\$250,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

<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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2026-450-02
Project Title:	SCADA Upgrade
Category:	Equipment
Department: Water	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**  
Additional equipment or equipment upgrades to the existing Supervisory Control and Data Acquisition (SCADA) for the Surface Water Treatment Plant and water system. This could include software upgrades, PLC's, and other electrical and mechanical components.

**Benefits of Project and Impact if Not Completed:**  
Enhances security to the existing SCADA system. Advanced data collection and trending. Ability to monitor system remotely using phone or tablet.

**Discuss Operating Budget Impact:**  
SCADA exists currently and we have a contract to cover routine maintenance as needed in our operations budget. This will increase over time as the SCADA system expands to cover our entire system.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2022	FY2023	FY2024	FY2025	FY2026	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$700,000					\$700,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$700,000</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>\$700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$700,000</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 450-02

**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 R900i 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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/9/20

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

Project Number:	2026-450-04
Project Title:	Water Main Replacement Phase 9
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:**

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 11.5 miles of water main in the ground replacing just one mile per year will take 11.5 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:**

New mains require less repairs and maintenance. They are far less likely to leak resulting in a cost savings.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$2,400,000					\$2,400,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<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>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,400,000</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



Town of Scituate  
 Capital Plan - FY 2022-2026  
 Sorted by Department, Year & Project Number

10/30/2020; 7:27 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
65	Replacement of Docks Cole Pkwy Marina (Town share for grant)	2022-298-01	Waterways	2022	WW	\$ 200,000	
44	Re-power Unit #1	2022-298-02	Waterways	2022	WW	\$ 47,000	
49	Expansion of SMP, Eng & Design of Addtl Floats & Piles	2023-298-02	Waterways	2023	WW	\$ 300,000	
45	Maintenance and Improvement Dredging	2023-298-03	Waterways	2023	WW	\$ 300,000	
28	Pump Out Station Jericho Boat Ramp	2023-298-05	Waterways	2023	WW	\$ 100,000	
69	Harbormaster Office ADA Renovations	2024-298-01	Waterways	2024	WW	\$ 100,000	
31	Pump Out Float for North & South River	2024-298-02	Waterways	2024	WW	\$ 72,000	
42	Replacement of 2021 Harbormaster Truck	2026-298-01	Waterways	2025	WW	\$ 45,000	
			<b>Total</b>			<b>\$ 1,164,000</b>	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 11-9-16

Date of Last Edit: 9-10-19\_

Project Number:	FY 2022-298-01		
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					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	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input 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

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



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**

**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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$47,000		\$47,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$47,000</b>	<b>\$0</b>	<b>\$47,000</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>\$47,000</b>	<b>\$0</b>	<b>\$47,000</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					



# 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	10-01-20
Time	10:30:54

SCITUATE HARBORMASTER

100 COLE PARKWAY  
SCITUATE, MA 02066

Home: 781-545-2130

Work: 781-545-2130

## Quote Sheet

Deal Number	2010011006
Customer Number	7815452130
Invoice Number	0
Salesclerk	WHE
Delivery Date	

Customer email : SMONE@scituatema.gov

OUTBOARD	A - New -2021 YAMAHA MOTOR CO F200XCA DE	Stock# DOB3175	16,835.00
	Vin# NON STOCK	INLINE 4 CYL	
OUTBOARD	B - New -2021 YAMAHA MOTOR CO LF200XCA D	Stock# DOB3176	17,505.00
	Vin# NON STOCK	INLINE 4 CYL	
OUTBOARD	C - New -2021 YAMAHA MOTOR CO CL2MC TWIN	Stock# DOB20930	1,895.00
	Vin#	DEC CONTROL	
	RIGGING LABOR		4,000.00
	RE-POWER SCITUATE UNIT 1		
	25' IMPACT		
1 Y	68F-45972-20-00	PROP 14 1/4X17R RELIANCE	646.50
1 Y	68G-45972-20-00	PROP 14 1/4X17L RELIANCE	646.50
1 Y	6X6-762B0-00-00	START SW KIT, TWIN ENG, MA	475.95
1 Y	MAR-CL7DU-KT-00	MARCL7DUKT01	2,007.25
1 Y	MAR-CL7D1-KT-20	CL7 DISPLAY INSTALL KIT	231.65
1 Y	6X6-8258A-30-00	MAIN ENG HARNESS, 10M	333.30
1 Y	6Y8-82553-41-00	30FT MAIN BUS	148.50
1 Y	6Y8-82521-31-00	6FT PIGTAIL BUS	62.75
	TOTAL QUOTE		44,787.40

Wallace Software Solutions (401) 438-3030 • www.jwallace1.com

www.monahansmarine.com

Total Quote	44,787.40
Total Deposits	
Total Trades	
Total Payoff	
Total Taxes	

Authorized Signature

Date

BALANCE DUE

\$44,787.40



• SALES • SERVICE • PARTS & ACCESSORIES



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 10-26-17

Date of Last Edit: 9-12-19

Project Number:	2024-298-01		
Project Title:	Harbormaster Office Renovations ADA		
Category:			
Department: Harbormaster		Contact: Stephen Mone	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:      New          Recurring          Resubmission   

Multiyear   

**Description:**

Contract with an Architectural/Design/Consulting Firm for renovation design to the harbormaster's office, update bathrooms and showers and to make building ADA accessible.

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

This building was built in the early 1980s and with the increased use of the harbor by boaters, marina tenants, marina transients and mooring users the restrooms and shower areas of the Harbormaster office should be updated to meet current standards. This project is very important and overdue. The restrooms/showers are not easily accessible to people with disabilities.

**Discuss Operating Budget Impact:**

Updating the restrooms and shower areas and the harbormaster's office would make for a more pleasant experience when visiting Scituate by boat from out of town, also more enjoyable for the tenants of the harbor. The nicer the facilities the more apt the boater is to return. That would in turn bring more revenue 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	\$100,000				\$100,000	
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>\$100,000</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021 - FY2025**

Date submitted: 9-23-19

Date of Last Edit: 9-23-19\_\_

Project Number:	2024-298-02		
Project Title:	Pump Out Float N&S River		
Category:	Construction		
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:**  
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				
		FY2021	FY2022	FY2023	FY2024	FY2025
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$72,000				\$72,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$72,000</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>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$72,000</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					

**LA MANAGEMENT INC**

**Estimate**

(DBA)  
 Marine Boatbuilders Co  
 PO Box 7826  
 Warwick, RI 02887

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**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10/20/20

Project Number:	FY 2026-298-01		
Project Title:	Replacement of 2021 Harbormaster Truck		
Category:	Equipment		
Department:	Harbormaster	Contact:	Stephen Mone

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

The request is for a replacement of the 2021 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 2021 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				
		FY2022	FY2023	FY2024	FY2025	FY2026
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$45,000					\$45,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</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				

Capital Planning Committee  
Board of Selectmen  
FY 2022-FY 2026 Capital Plan  
Town Administrator Recommendations

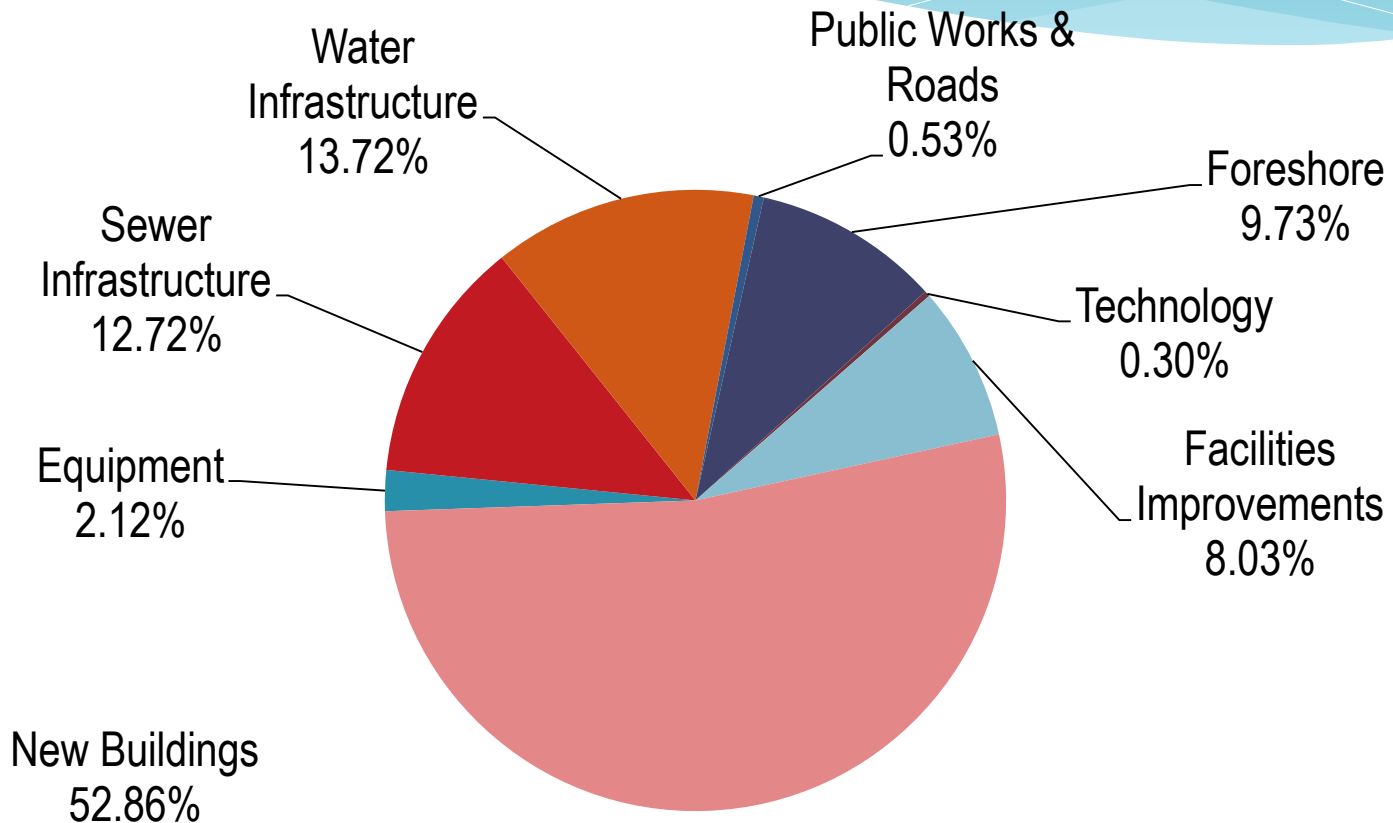
November 3, 2020



# FY2022-26 Capital Plan Highlights

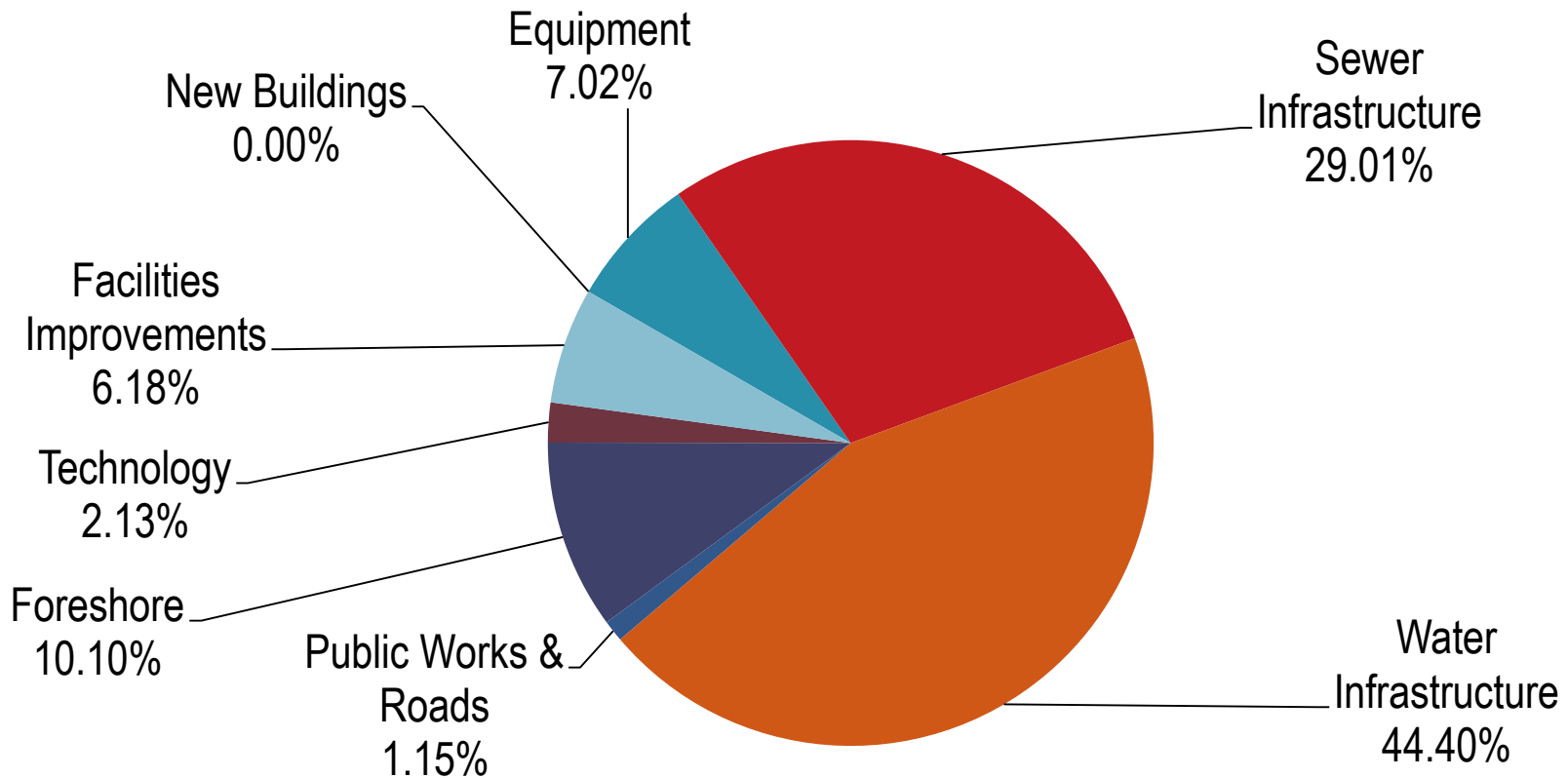
- \* \$236M in capital requests over the next five years
- \* \$21M in requests for FY22; \$15M recommended
- \* Reflects continued investment into water system
- \* Includes next major phase for inflow and infiltration mitigation for sewer system
- \* Continues investment in technology
- \* Incorporates funding for facilities improvements as recommended in town-wide facilities plan

# FY22-26 Capital Plan Components

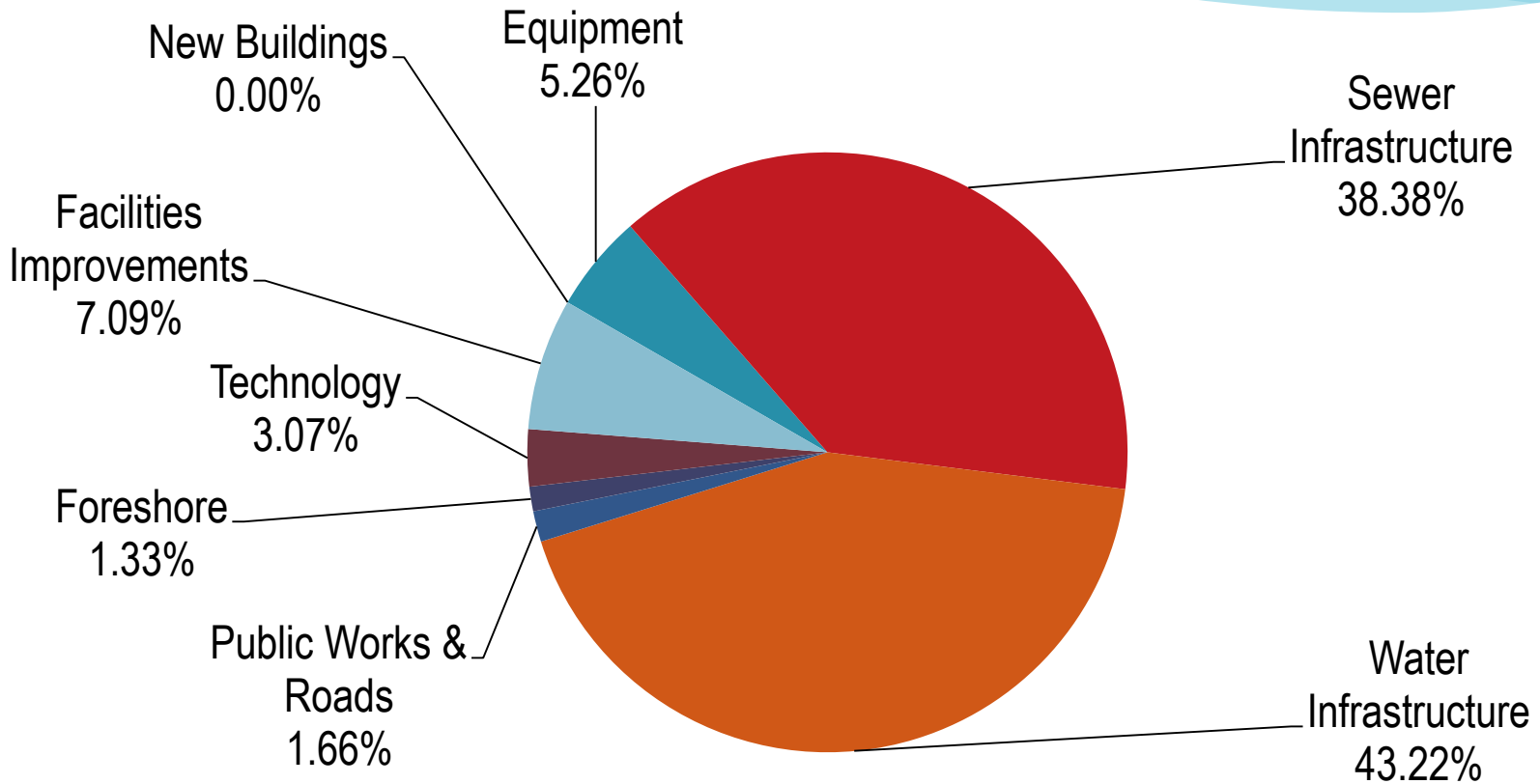




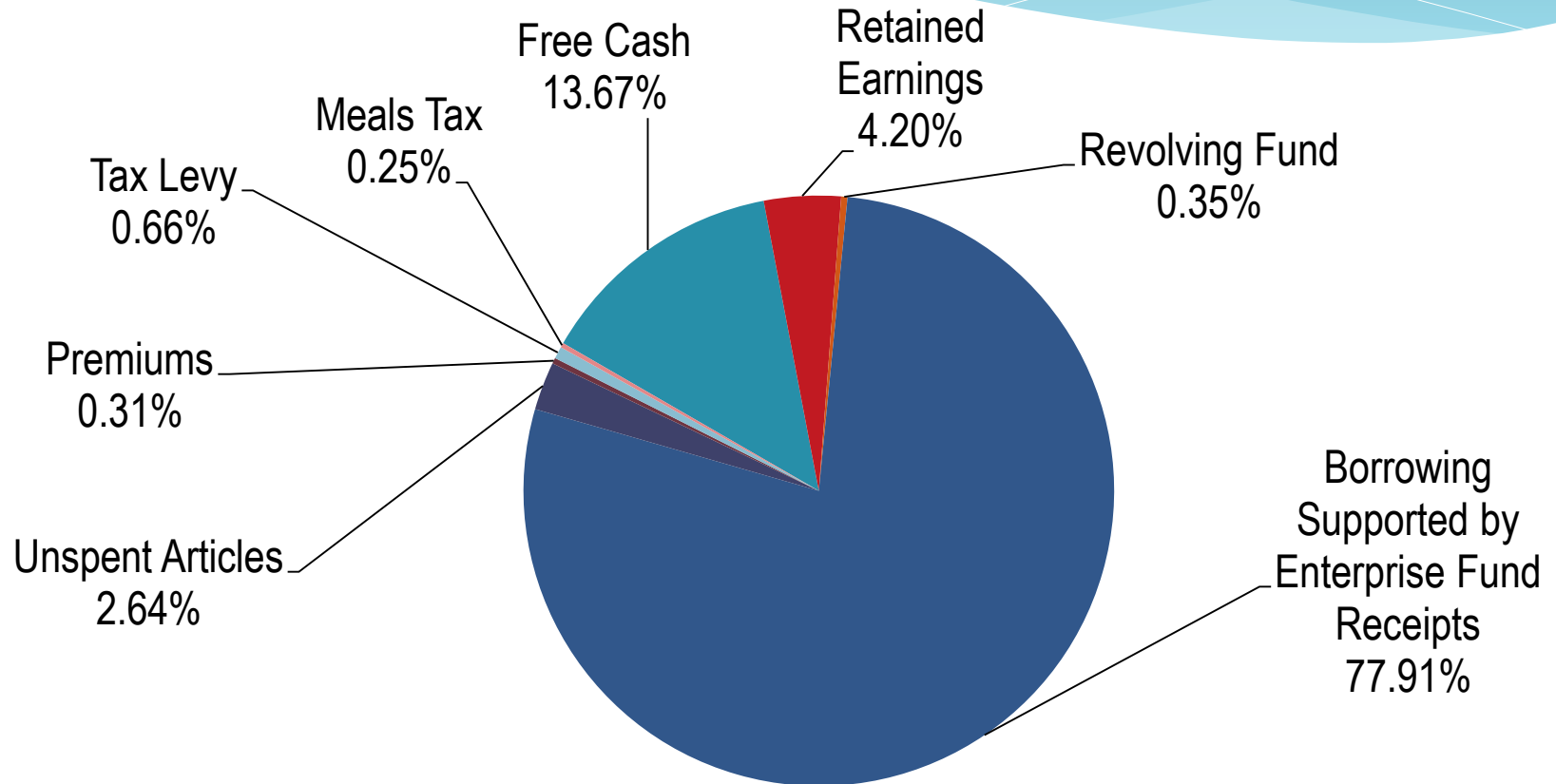
# FY22 Requested Capital Plan



# FY22 Recommended Capital Plan



# FY22 Capital Plan Funding



# General Fund – FY22

- \* \$2.3M of \$4.9M in requests for FY22 recommended
- \* Funding for roads, foreshore, technology upgrades for town and school, town and school building improvements and vehicles/equipment
- \* Plan demonstrates continued support for roads and foreshore protection
- \* Free cash, tax levy, meals tax, recreation revolving fund, premiums received from past borrowings and unspent capital articles are funding sources
- \* No borrowing is recommended

# Roads and Foreshore Protection FY22

- \* Foreshore protection continues to be addressed in multi-pronged approach and funded from various sources
  - \* Funding in FY 22 general fund operating budget
  - \* Annual capital plan request for funding to support foreshore protection - \$200K recommended for FY22
  - \* Some foreshore projects subsidized 75% by FEMA
- \* Roadway improvements are also funded from various sources
  - \* Funding in FY 22 general fund operating budget
  - \* Annual capital plan request for funding to support road improvements - \$200K recommended for FY22
  - \* Estimated Chapter 90 support for roads of \$550K in FY22
  - \* Town invested \$1.5M in roadway improvements in FY20

# Waterways Enterprise – FY22

- \* Recommend both projects requested totaling \$247K
- \* Provides \$200K for town share for grant application to Seaport Economic Advisory Council for replacement of docks and \$47K for re-powering of Unit #1.
  - \* Grant application will also include three docks for Recreation Department sailing program which is supported in plan for \$52K from Recreation Revolving Fund
- \* Retained earnings is funding source for \$247K

# Transfer Station Enterprise – FY22

- \* \$180K of \$322K in requests for FY22 recommended for replacement of loader
- \* Borrowing is recommended for funding source
- \* The Transfer Station enterprise fund has no outstanding debt or approved projects supported by borrowing currently.
  - \* November 16, 2020 STM includes \$120,000 borrowing request for yard jockey

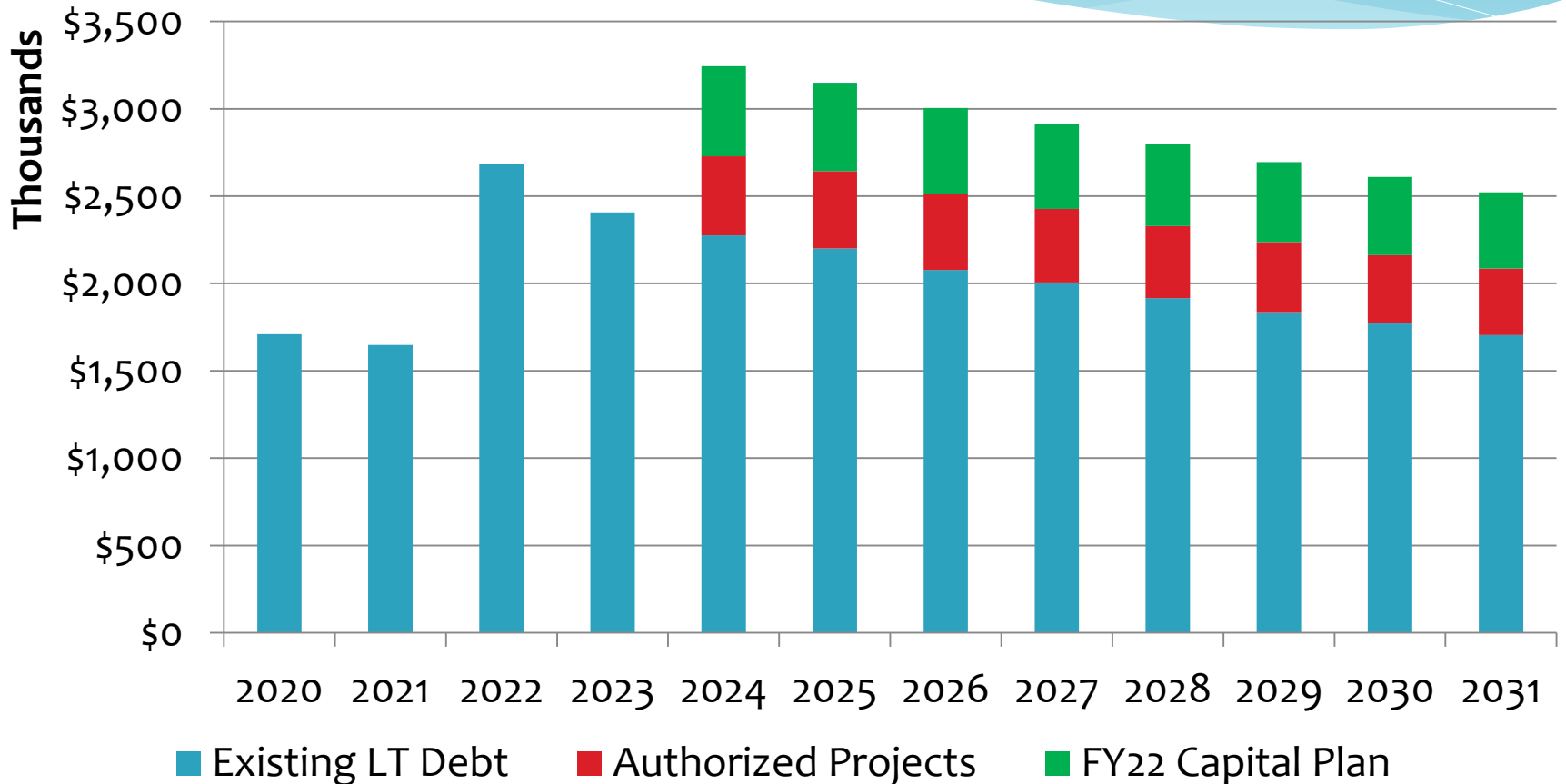
# Water Enterprise – FY22

- \* \$6.5M of \$9.8M in requests for FY22 recommended
- \* New water tank and Dolan Well Field construction account for \$6M to be funded by borrowing
- \* \$500K for storage tank improvements funded from premiums, unspent capital project proceeds and retained earnings
- \* Additional \$2M of water pipe replacement postponed until the \$5M previously authorized is spent



# Water Enterprise LT Debt

## FY2020 - 2031



# Sewer Enterprise – FY22

- \* \$5.8 of \$6.3M in requests for FY22 recommended
- \* Inflow & infiltration project for Oceanside area of \$4.9M
- \* Clarifier upgrade of \$230K recommended
- \* Facilities study of \$660K also recommended
- \* Retained earnings and borrowing comprise funding sources

# Sewer Enterprise LT Debt

## FY 2020 - 2031

