

# TOWN OF SCITUATE, MASSACHUSETTS

FISCAL YEARS 2023-2027



## CAPITAL IMPROVEMENT PLAN

TOWN ADMINISTRATOR RECOMMENDED

### SELECT BOARD

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

James M. Boudreau, Town Administrator

Nancy Holt, Finance Director/Town Accountant

October 2021

## Table of Contents

2022 Capital Plan Members.....	2
FY 2023 Capital Plan Process.....	3
FY 2023 Budget Schedule .....	11
FY 2023 – 2027 Capital Project Requests .....	16
Town Administrator’s Recommended FY 2023 Capital Plan .....	22
Existing Capital Project Unspent Balances Potentially Available to be Re-Allocated .....	26
Long Term Debt & Available Funds Analysis .....	22
General Fund – DPW Engineering Projects FY 2023-2027 .....	41
General Fund – DPW Foreshore Protection Projects FY 2023-2027 .....	73
General Fund – DPW Highway Projects FY 2023-2027 .....	104
General Fund – DPW Public Grounds Projects FY 2023-2027 .....	131
General Fund – Beach Access Improvements FY 2023-2027.....	201
General Fund – Information Technology Department Projects FY 2023-2027 .....	218
General Fund – Fire Department Projects FY 2023-2027 .....	224
General Fund – Police Department Projects FY 2023-2027 .....	249
General Fund – School Department Projects FY 2023-2027 .....	305
General Fund – Facilities Projects FY 2023-2027.....	328
All Funds – Town Wide Facilities Plan Projects FY 2023-2027.....	342
Sewer Enterprise – Sewer Department Projects FY 2023-2027 .....	364
Transfer Station Enterprise – Transfer Station Projects FY 2023-2027 .....	468
Water Enterprise – Water Department Projects FY 2023-2027 .....	478
Waterways Enterprise – Harbormaster Projects FY 2023-2027.....	541

## 2022 Capital Planning Committee Members

Christopher Carchia (2022), Chairman\*

John P. Whittaker (2023)\*

Vacant (2023)\*

Joseph Gibbons (2022)\*

Vacant (2022)\*

James Boudreau, Town Administrator\*

Michael Long, Co-School Committee rep

Carey Borkowski, Co-School Committee rep\*

Andrew Goodrich, Board of Selectmen rep

Elise Russo, Advisory Committee rep

\*Voting members (7)

## Fiscal Year 2023 Capital Budgeting Process

Despite the continued uncertainty in revenue sources for the annual capital plan caused by the pandemic and various relief and infrastructure legislation, 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 FY23 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 other words, when an existing project is paid off, the related debt service costs become available to support a new project and are not re-allocated to another part of the operational budget. In addition, non-general fund funding sources such as Community Preservation Act (CPA) funds, premiums received from issuance of debt and/or prior year unspent authorizations are used to fund certain capital projects.

Departments are asked to continue to utilize the standardized forms rolled out several

years ago for all capital project requests for FY23-27. If you have previously submitted a request under the five-year rolling capital plan (through FY 26), 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 includes 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 23 capital request form along with your department's previous five year rolling capital plan are included in an email transmittal. Your accompanying information should not include any prior contracts or any material which is unable to be reproduced in black and white copy and should be reasonable in length. Please do not include complete studies or extensive specifications but instead scope of work, itemized budget estimates and use your judgment on projects of a more complex and costly nature. Please fully utilize the request form to describe your project. This includes the ongoing maintenance section which is not the purchase price but the cost to maintain, service or operate the item being requested including maintenance agreements which will be funded from your operating budget going forward.

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

Capital budget requests are due electronically to Finance Director/Town Accountant Nancy Holt (nholt@scituatema.gov), **September 24, 2021**. 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 23 CAPITAL REQUESTS**

We are starting the FY 23 capital budget process based on the Select Board's adopted FY23 budget calendar to meet the Charter and general bylaw guidelines. 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 2027. Please do not submit projects that you have no intention of putting forward and consider consolidating projects to avoid unnecessary review. Capital projects have a value of at least \$25,000 and a useful life of more than five years.

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 23 capital budget will be submitted to the Select Board, Advisory Committee and Capital Planning Committee in the first week of November 2021. The 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 Select Board.

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.

3-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 F-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

**Select Board, Advisory and Capital Planning Committees  
Budget Meeting Schedule  
Fiscal Year 2023**

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 Select Board, 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>Select Board Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review (Zoom)</b>
FY23 Budget Presentation		12/7/2021	11/3/2021	12/9/2021
Administration/Select Board	123	12/7/2021	TBD	12/9/2021
Advisory Committee	131	12/7/2021		12/9/2021
Reserve Fund	132	12/7/2021		12/9/2021
Gen Liab & Property Insurance	192	12/7/2021		12/9/2021
Street Lights	424	12/7/2021		12/9/2021
Workers Compensation	912	12/7/2021		12/9/2021
Unemployment	913	12/7/2021		12/9/2021
Assessors	141	12/21/2021		12/16/2021
Library	610	12/21/2021		12/16/2021
Town Clerk	161	12/21/2021		12/16/2021
Widow's Walk Enterprise	61	12/21/2021	TBD	12/16/2021
Board of Health	510	12/21/2021		12/16/2021
Council on Aging	541	12/21/2021		12/16/2021
Recreation	630	12/21/2021		12/16/2021
Commission on Disabilities	549	12/21/2021		12/16/2021
Review of Non-Monetary Articles		1/4/2022		2/3/2022
Finance Director/Town Accountant	135	1/4/2022		1/6/2022
Information Technology	155	1/4/2022	TBD	1/6/2022
Police	210	1/4/2022		1/6/2022
Fire	220	1/4/2022	TBD	1/6/2022
Public Safety Communications	230	1/4/2022		1/6/2022
Veterans	543	1/4/2022		1/6/2022
Beautification	650	1/4/2022		1/6/2022
Historical	691	1/4/2022		1/6/2022
Waterways Enterprise	66	1/18/2022	TBD	1/13/2022

<b>Event/Department</b>	<b>Dept #</b>	<b>Select Board Review</b>	<b>Capital Planning Committee Review</b>	<b>Advisory Committee Review (Zoom)</b>
Shellfish	295	1/18/2022		1/13/2022
Facilities	440	1/18/2022	TBD	1/13/2022
Scituate Cable TV	159	1/18/2022		1/13/2022
Treasurer Collector	145	1/18/2022		1/13/2022
Tax Foreclosures	158	1/18/2022		1/13/2022
Debt Service	720	1/18/2022		1/13/2022
Plymouth County Retirement	911	1/18/2022		1/13/2022
Contributory Insurance	914	1/18/2022		1/13/2022
Federal Taxes	916	1/18/2022		1/13/2022
<b>Department of Public Works</b>				
Engineering	411	2/1/2022	TBD	1/20/2022
Administration	421	2/1/2022		1/20/2022
Highway	422	2/1/2022	TBD	1/20/2022
Snow & Ice	423	2/1/2022		1/20/2022
Public Grounds	429	2/1/2022	TBD	1/20/2022
Transfer Station Enterprise	433	2/1/2022	TBD	1/20/2022
Sewer Enterprise	440	2/1/2022	TBD	1/20/2022
Water Enterprise	450	2/1/2022	TBD	1/20/2022
Review Petition Articles		2/1/2022		2/3/2022
<b>Community Planning &amp; Development</b>				
Conservation/Coastal Resources	171	2/15/2022		1/27/2022
Planning	175	2/15/2022		2/3/2022
Zoning Board of Appeals	176	2/15/2022		1/27/2022
Economic Development Comm	182	2/15/2022		1/27/2022
Inspections	241	2/15/2022	TBD	1/27/2022
Capital Plan Review		2/15/2022		2/10/2022
School	300	3/1/2022	TBD	2/24/2022
South Shore Regional VTHS	310	3/1/2022		2/24/2022
Community Preservation Review		3/1/2022		2/24/2022
Vote all projects/articles		3/1/2022	TBD	3/3/2022
Advisory Booklet Available				3/25/2022
Annual & Special Town Meeting				4/11/2022

## FISCAL YEAR 23 BUDGET AND CAPITAL REVIEW TIMETABLE

\*charter/bylaws language provided for informational purposes only

DATE	ITEM/OBJECTIVE	CHARTER/BYLAW REFERENCE
8/24/2021	Select Board votes budget calendar	
8/30/2021	Capital budget forms and directions distributed to departments	
09/24/2021	Capital Budgets Due to Finance Director	Art. 4, Sec.4-2, f Art. 6, Sec. 6-4
9/20-09/24/2021	Financial Team prepares and finalizes revenue expenses and assumptions	
10/5/2021	Financial Forecast Committee reviews draft forecast for FY23	
11/2/2021	Town Administrator Recommended Capital Plan provided to Capital Planning Committee & Select Board	
11/10/2021	*Charter date Selectmen submit capital budget to Advisory Committee	Art. 6, Sec. 6-6d (five months before ATM)
10/04/2021	Budget instructions & forms to Boards & Departments	Art. 4, Sec. 4-2 Art. 6, Sec. 6-4
11/16/2021	Departmental Non-Monetary Article requests submitted to Town Admin.	
10/22/2021	Departmental Budgets Due to TA/Finance Director	
12/7/2021	Select Board Open STM & ATM Warrant	
10/21 – 11/5/2021	Budgets reviewed with depts, edited and compiled by Town Administrator/Finance Director	

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>12/21/2021</b>	Select Board closes STM & ATM warrants. Select Board Reviews Non-Monetary Article Requests	Art. 3, Sec.3-2b
<b>11/30/2021</b>	Budget & Supporting Materials Distributed to Select Board & Advisory Committee	Art. 6, Sec. 6-5,a Bylaws, Sec. 20720,D
<b>12/7/2021</b>	TA & Finance Director Present FY23 Town Operating & Capital Budgets to Select Board	Art. 4, Sec. 4-2, f Art. 6, Sec. 6-2
<b>12/9/2021</b>	Actual date submitted to Advisory	
<b>11/3/2021-1/26/2022</b>	Capital Planning Review of TA Recommended Capital Requests	
<b>1/18/2022</b>	Financial Forecasting Committee Quarterly Calendar Year 2021 Forecast due	Art. 6, Sec.6-7, b
<b>12/7/2021-3/1/2022</b>	Select Board, Advisory Committee Review of Departmental Operating & Capital Budgets	Art. 6, Sec.6-5 Art. 6, 6-6,b-c
<b>2/1/2022</b>	Bylaw date Select Board submits warrant articles to Advisory Committee	Bylaws Sec. 20120, Bylaws Sec. 20720, C
<b>3/3/2022</b>	All articles voted by Advisory Committee	Art. 6, Sec. 6-6,d, Bylaws, Sec. 20120
<b>2/15/2022</b>	Capital Planning Committee Presents CIP Recommendations to Select Board	
<b>3/1/2022</b>	Select Board Votes Operating and Capital Articles, Signs Warrant, forwards to Advisory Committee	Art. 6, Sec. 6-6, d Art. 2, Sec. 2-5, c Art. 6,Sec.6-5,a

<b>DATE</b>	<b>ITEM/OBJECTIVE</b>	<b>CHARTER/BYLAW REFERENCE</b>
<b>3/23/2022</b>	Warrants posted publically, posted on website, blasted, Facebook	General Bylaws
<b>4/4/2022</b>	Statutory & Bylaw Deadline for Posting of Special Town Meeting Warrant	MGL Chap. 39, Sec. 9 2014 Bylaw amendment
<b>3/25/2022</b>	Advisory Committee Report Available to residents with Capital and Financial Forecasting Reports	Bylaws, Sec. 10440 Art. 6, Sec. 6-6,e Art. 6. Sec 6-7, b
<b>3/28/2022</b>	Statutory & Bylaw Deadline for posting Annual Town Meeting Warrant	MGL Chap. 39, Sec. 9
<b>4/11/2022</b>	2022 Annual and Special Town Meeting	Art. 2, Sec. 2-4 Bylaws Sec. 20100



**Town of Scituate  
Capital Plan - FY 2023-2027**

10/24/2021; 10:40 AM

**Sorted by Fund, Department, Year & Project Number**

Score	Project	Project #	Department	Year	Fund	Request	Comment
76	Beach Improvements*	2023-123-01	DPW - Foreshore Protection	2023	GF	\$ 100,000	
58	Foreshore Protection	2023-411-01	DPW - Foreshore Protection	2023	GF	\$ 200,000	
62	Foreshore Repairs - Seawall Turner Rd/Oceanside	2023-411-02	DPW - Foreshore Protection	2023	GF	\$ 16,000,000	Seeking EoEEA Funding
56	Foreshore Repairs - FEMA - 1st Cliff	2023-411-03A	DPW - Foreshore Protection	2023	GF	\$ 2,540,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - 2nd Cliff	2023-411-03B	DPW - Foreshore Protection	2023	GF	\$ 2,860,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - 3rd Cliff	2023-411-03C	DPW - Foreshore Protection	2023	GF	\$ 10,000,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Minot	2023-411-03D	DPW - Foreshore Protection	2023	GF	\$ 2,870,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Glades (PW361/PW821/PW1171)	2023-411-03E	DPW - Foreshore Protection	2023	GF	\$ 2,896,588	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Seaside (PW379)	2023-411-03F	DPW - Foreshore Protection	2023	GF	\$ 485,755	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Surfside (PW1171/383)	2023-411-03G	DPW - Foreshore Protection	2023	GF	\$ 654,052	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Cole Pkwy (PW357)	2023-411-03H	DPW - Foreshore Protection	2023	GF	\$ 267,930	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Oceanside Outfall (PW366)	2023-411-03I	DPW - Foreshore Protection	2023	GF	\$ 196,215	FEMA subsidized 75%
56	Harbor Resiliency Design & Engineering	2023-411-04	DPW - Foreshore Protection	2023	GF	\$ 400,000	Seeking HMGP Funding
66	Seawall Replacement - Cedar Point ACoE project	2023-411-05	DPW - Foreshore Protection	2024	GF	\$ 17,179,247	ACoE subsidized 65% to \$10M
58	Foreshore Protection	2024-411-01	DPW - Foreshore Protection	2024	GF	\$ 200,000	
58	Foreshore Protection	2025-411-01	DPW - Foreshore Protection	2025	GF	\$ 200,000	
58	Foreshore Protection	2026-411-01	DPW - Foreshore Protection	2026	GF	\$ 200,000	
58	Foreshore Protection	2027-411-01	DPW - Foreshore Protection	2027	GF	\$ 200,000	
46	Replace 2001 Trash Truck	2023-429-01	DPW - Grounds	2023	GF	\$ 170,000	
45	Cemetery Maintenance Database Program	2023-429-02	DPW - Grounds	2023	GF	\$ 45,000	
34	Replace #2-0 1999 Ford 250 Pick-up	2023-429-03	DPW - Grounds	2023	GF	\$ 65,000	
32	Replace #2-2 2013 Pick-up*	2023-429-04	DPW - Grounds	2023	GF	\$ 65,000	
23	Metal Storage Building	2024-429-01	DPW - Grounds	2024	GF	\$ 153,230	
16	New Trackless Tractor	2024-429-02	DPW - Grounds	2024	GF	\$ 159,622	
12	New Aerator for Fields	2024-429-03	DPW - Grounds	2024	GF	\$ 25,310	
34	Replace #2-8 - 2007 Chevy 3600 Dump Truck	2025-429-01	DPW - Grounds	2025	GF	\$ 65,000	
31	Replace 2012 Toro Deck Mower	2025-429-02	DPW - Grounds	2025	GF	\$ 139,500	
44	Leaf & Debris Vacuum	2026-429-01	DPW - Grounds	2026	GF	\$ 32,000	
23	Replace 2005 Bucket Truck	2027-429-01	DPW - Grounds	2027	GF	\$ 269,000	
39	Field Repair/Construction	2027-429-02	DPW - Grounds	2027	GF	\$ 58,000	

\*Appearing for the first time on the plan

**Town of Scituate  
Capital Plan - FY 2023-2027**

10/24/2021; 10:40 AM

**Sorted by Fund, Department, Year & Project Number**

Score	Project	Project #	Department	Year	Fund	Request	Comment
21	Walkway Improvement at Town Hall	2027-429-03	DPW - Grounds	2025	GF	\$ 35,000	
51	Truck 1-9, Diesel Pick-up Truck	2023-422-01	DPW - Highway	2023	GF	\$ 65,000	
44	Truck 101 Medium Duty Truck	2023-422-02	DPW - Highway	2023	GF	\$ 65,000	
42	Replace Forklift	2023-422-03	DPW - Highway	2023	GF	\$ 67,300	
60	Road & Sidewalk Improvements	2023-422-04	DPW - Highway	2023	GF	\$ 300,000	
25	Wacker Wheeled Mini Excavator	2024-422-01	DPW - Highway	2024	GF	\$ 126,500	
26	Truck 102, Medium Duty Truck	2024-422-02	DPW - Highway	2024	GF	\$ 65,000	
64	Road & Sidewalk Improvements	2024-422-03	DPW - Highway	2024	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2025-422-01	DPW - Highway	2025	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2026-422-01	DPW - Highway	2026	GF	\$ 200,000	
28	Replace Truck 1-1	2027-422-01	DPW - Highway	2027	GF	\$ 65,000	
64	Road & Sidewalk Improvements	2027-422-02	DPW - Highway	2027	GF	\$ 200,000	
47	MS4 Compliance	2023-421-01	DPW-Engineering	2023	GF	\$ 100,000	
47	MS4 Compliance	2024-421-01	DPW-Engineering	2024	GF	\$ 100,000	
47	MS4 Compliance	2025-421-01	DPW-Engineering	2025	GF	\$ 100,000	
47	MS4 Compliance	2026-411-01	DPW-Engineering	2026	GF	\$ 100,000	
47	MS4 Compliance	2027-411-01	DPW-Engineering	2027	GF	\$ 100,000	
14	Vehicle for Facilities Director*	2023-410-01	Facilities	2023	GF	\$ 37,000	
34	Replace HVAC at 68 Capt Peirce (DPW)*	2023-410-02	Facilities	2023	GF	\$ 67,000	
50	Replace ADA Ramp to Maritime Center*	2023-410-03	Facilities	2023	GF	\$ 108,500	
37	ADA Updates - Town Hall	2023-410-05	Facilities	2023	GF	\$ 210,000	
48	Electrical Distribution - Town Hall	2023-410-06	Facilities	2023	GF	\$ 100,000	
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 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	
49	Town Wide Facilities Plan - Year Six	2027-999-01	Facilities Town Wide Plan	2027	GF	\$ 315,657	
23	Replace 2010 Command Vehicle	2023-220-01	Fire	2023	GF	\$ 65,000	
55	Replace Zoll monitors (2)	2023-220-02	Fire	2023	GF	\$ 50,000	

\*Appearing for the first time on the plan

**Town of Scituate  
Capital Plan - FY 2023-2027**

10/24/2021; 10:40 AM

**Sorted by Fund, Department, Year & Project Number**

Score	Project	Project #	Department	Year	Fund	Request	Comment
53	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	
21	Replace Dive Truck	2026-220-02	Fire	2026	GF	\$ 60,000	
26	Upgrade Jaws of Life Tools (? If capital)	2027-220-01	Fire	2027	GF	\$ 28,000	
39	Network Switches	2023-155-01	Information Technology	2023	GF	\$ 112,000	
10	Feasibility Study for Municipal Fiberoptic Network*	2023-155-02	Information Technology	2023	GF	\$ 63,360	
50	Ballistic Vests*	2023-210-01	Police	2023	GF	\$ 92,767	
24	Automated License Plate Reader & Parking Management System*	2023-210-02	Police	2023	GF	\$ 82,500	
42	Police Radio Infrastructure & Communications Section Operations	2024-210-01	Police	2024	GF	\$ 204,707	
42	Police Portable and Mobile Radios	2024-210-02	Police	2024	GF	\$ 230,063	
37	Replace of Service Weapons	2024-210-03	Police	2024	GF	\$ 76,563	
23	Public Safety Computer Aided Dispatch and Records Management System	2024-210-04	Police	2024	GF	\$ 439,193	
17	Patrol Cameras	2024-210-05	Police	2024	GF	\$ 429,751	
27	Shooting Range	2025-210-01	Police	2025	GF	\$ 822,453	
44	Jenkins Roof Replacement	2023-300-01	School	2023	GF	\$ 1,235,000	MSBA possible in future
42	High School Roof Replacement	2023-300-02	School	2023	GF	\$ 1,045,000	MSBA possible
41	School Technology	2023-300-03	School	2023	GF	\$ 200,000	
45	SHS Floor Replacement	2023-300-04	School	2023	GF	\$ 300,000	
26	Elementary School Sink Replacement	2023-300-05	School	2023	GF	\$ 179,000	
17	Center for Performing Arts Rigging	2023-300-06	School	2023	GF	\$ 26,000	
44	Wampatuck Roof Replacement	2024-300-01	School	2024	GF	\$ 750,000	MSBA possible
45	Wampatuck Flooring Replacement	2024-300-02	School	2024	GF	\$ 314,335	MSBA possible
40	Small Gym High School	2024-300-03	School	2024	GF	\$ 225,000	
23	HS Locker Room - Phase 2	2024-300-04	School	2024	GF	\$ 898,000	
21	HS HVAC Controllars - Phase 1	2024-300-05	School	2024	GF	\$ 300,000	
21	HS Roof Exhaust	2024-300-06	School	2024	GF	\$ 27,000	
44	Main Floor High School Gym	2025-300-01	School	2025	GF	\$ 225,000	
24	HS Locker Room - Phase 3	2025-300-02	School	2025	GF	\$ 894,007	

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Town of Scituate

10/24/2021; 10:40 AM

Capital Plan - FY 2023-2027

Sorted by Fund, Department, Year & Project Number

Score	Project	Project #	Department	Year	Fund	Request	Comment
37	Wampanoag Teachers' Room	2025-300-03	School	2025	GF	\$ 40,000	
24	HS HVAC Controllers - Phase 2	2025-300-04	School	2025	GF	\$ 300,000	
26	Jenkins Windows	2025-300-05	School	2025	GF	\$ 750,000	MSBA possible
61	Hatherly & Cushing School Replacement	2026-300-01	School	2026	GF	\$ 85,000,000	MSBA accepted feasibility
26	HS HVAC Controllers - Phase 3	2026-300-02	School	2026	GF	\$ 300,000	
29	Jenkins Floor Replacement	2027-300-01	School	2027	GF	\$ 750,000	
33	SHS Boiler Replacement	2027-300-02	School	2027	GF	\$ 8,500,000	MSBA possible
<b>General Fund Total</b>						<b>\$ 174,965,478</b>	
69	Inflow & Infiltration Recommended 2021 Priority Areas*	2023-440-01	Sewer	2023	S	\$ 4,043,285	
68	SCADA Phase 5*	2023-440-02	Sewer	2023	S	\$ 286,950	
52	Replace #5-1 2005 Ranger with 4x4	2023-440-03	Sewer	2023	S	\$ 71,036	
57	Automated Aeration Valves	2023-440-04	Sewer	2023	S	\$ 85,000	
67	Inflow & Infiltration	2023-440-06	Sewer	2023	S	\$ 220,000	
42	Laboratory Rehabilitation	2023-440-07	Sewer	2023	S	\$ 100,000	
51	Influent Grit Removal	2024-440-01	Sewer	2024	S	\$ 2,050,000	
73	Inflow & Infiltration	2024-440-02	Sewer	2024	S	\$ 220,000	
59	Replace UV System	2024-440-03	Sewer	2024	S	\$ 700,000	
36	Replace Truck #5-4	2024-440-04	Sewer	2024	S	\$ 58,000	
55	Rehab First Parish Pump Station	2024-440-05	Sewer	2024	S	\$ 123,000	
55	RAS Capacity	2024-440-06	Sewer	2024	S	\$ 360,000	
64	Infiltration/Inflow Chain Pond	2024-440-07	Sewer	2024	S	\$ 4,200,000	
66	Sewer Expansion North Scituate (Design)	2025-440-01	Sewer	2025	S	\$ 6,694,350	Betterments
61	Influent Pump Upgrade	2025-440-02	Sewer	2025	S	\$ 1,630,000	
55	Replace WWTP Generator	2025-440-03	Sewer	2025	S	\$ 440,000	
69	Inflow & Infiltration	2025-440-04	Sewer	2025	S	\$ 220,000	
55	Structural Repairs at Wastewater Treatment Plant	2025-440-05	Sewer	2025	S	\$ 250,000	
57	Clarifier Replacement	2025-440-06	Sewer	2025	S	\$ 1,250,000	
66	Sewer Expansion North Scituate (Construction)	2026-440-01	Sewer	2026	S	\$ 33,471,750	Betterments
71	Inflow & Infiltration	2026-440-02	Sewer	2026	S	\$ 220,000	
34	Replace Truck 5-2	2026-440-03	Sewer	2026	S	\$ 61,000	
48	Sewer Jetting & Cleaning Vehicle	2027-440-01	Sewer	2027	S	\$ 533,500	

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Town of Scituate

10/24/2021; 10:40 AM

Capital Plan - FY 2023-2027

Sorted by Fund, Department, Year & Project Number

Score	Project	Project #	Department	Year	Fund	Request	Comment
71	Inflow & Infiltration	2027-440-02	Sewer	2027	S	\$ 220,000	
<b>Sewer Enterprise Total</b>						<b>\$ 57,507,871</b>	
50	Powerwash & Paint Metal Space Buildings	2024-433-01	Transfer Station	2024	TS	\$ 45,000	
37	Replace 2005 Chevy 3500 Truck, Plow & Sander	2024-433-02	Transfer Station	2024	TS	\$ 85,000	
35	Transfer Station Entrance Gate & Key Card Access	2024-433-03	Transfer Station	2024	TS	\$ 150,000	
62	Transfer Station Overhead Rolling Door & Motor Replacement	2025-433-01	Transfer Station	2025	TS	\$ 150,000	
<b>Transfer Station Enterprise Total</b>						<b>\$ 430,000</b>	
74	New Treatment Plant	2023-450-01	Water	2023	W	\$ 50,000,000	
63	Redevelopment of Public Wells	2023-450-02	Water	2023	W	\$ 125,000	
67	Humarock Water Mains-Construction	2023-450-03	Water	2023	W	\$ 6,300,000	
64	West End Well Investigation	2023-450-04	Water	2023	W	\$ 250,000	
65	Well #19 & 22 Upgrades	2023-450-05	Water	2023	W	\$ 325,000	
65	Well #10 & 11 Upgrades	2023-450-06	Water	2023	W	\$ 564,000	
65	Replace Water Mains - Phase 6	2023-450-07	Water	2023	W	\$ 2,200,000	
50	10 Yr Meter replacement cycle program	2023-450-08	Water	2023	W	\$ 220,000	
52	Repair Mann Lot Standpipe - Design	2024-450-01	Water	2024	W	\$ 250,000	
64	Mann Lot Booster Station Upgrades	2024-450-02	Water	2024	W	\$ 150,000	
32	Replace Truck #39 2009 Chevy Silverado Pick-up	2024-450-03	Water	2024	W	\$ 63,000	
65	Replace Water Mains - Phase 7	2024-450-04	Water	2024	W	\$ 2,300,000	
50	10 Yr Meter replacement cycle program	2024-450-05	Water	2024	W	\$ 230,000	
52	Repair Mann Lot Standpipe - Construction	2025-450-01	Water	2025	W	\$ 1,200,000	
64	Walnut Tree Booster Station Upgrades	2025-450-02	Water	2025	W	\$ 107,000	
63	Redevelopment of Public Wells	2025-450-03	Water	2025	W	\$ 125,000	
38	Replace 2008 Chevy Colorado Pick-up	2025-450-04	Water	2025	W	\$ 63,000	
49	Replace Water Mains - Phase 8	2025-450-05	Water	2025	W	\$ 2,400,000	
50	10 Yr Meter replacement cycle program	2025-450-06	Water	2025	W	\$ 240,000	
52	Reservoir Expansion	2025-450-07	Water	2025	W	\$ 1,790,000	
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	
67	Replace Water Mains - Phase 9	2026-450-03	Water	2026	W	\$ 2,500,000	
50	10 Yr Meter replacement cycle program	2026-450-04	Water	2026	W	\$ 250,000	

\*Appearing for the first time on the plan

Town of Scituate

10/24/2021; 10:40 AM

Capital Plan - FY 2023-2027

Sorted by Fund, Department, Year & Project Number

Score	Project	Project #	Department	Year	Fund	Request	Comment
42	Replace Truck #104 6 Wheel Dump Truck	2027-450-01	Water	2027	W	\$ 150,000	
49	Redevelopment of Public Wells	2027-450-02	Water	2027	W	\$ 125,000	
50	Well 18B Upgrades	2027-450-03	Water	2027	W	\$ 850,000	
67	Replace Water Mains - Phase 10	2027-450-04	Water	2027	W	\$ 2,600,000	
52	10 Yr Meter replacement cycle program	2027-450-05	Water	2027	W	\$ 260,000	
<b>Water Enterprise Total</b>						<b>\$ 76,587,000</b>	
36	Pump Out Station Jericho Boat Ramp	2023-298-01	Waterways	2023	WW	\$ 72,000	
61	Maintenance and Improvement Dredging	2023-298-02	Waterways	2023	WW	\$ 250,000	
40	Replacement of 2004 HM-2 Truck*	2023-298-03	Waterways	2023	WW	\$ 35,000	
53	Expansion of SMP, Eng & Design of Addtl Floats & Piles	2024-298-01	Waterways	2024	WW	\$ 300,000	
69	Harbormaster Office ADA Renovations	2025-298-01	Waterways	2025	WW	\$ 100,000	
42	Replacement of 2021 Harbormaster Truck	2026-298-01	Waterways	2026	WW	\$ 45,000	
49	Repower Unit 2	2026-298-02	Waterways	2026	WW	\$ 29,215	
<b>Waterways Enterprise Total</b>						<b>\$ 831,215</b>	
<b>FY 2023-2027 All Funds Grand Total</b>						<b>\$ 310,321,564</b>	

\*Not previously on capital plan

*MSBA possible comment denotes potential candidate for MA School Building Authority Accelerated Repair Program which requires Statement of Interest to be filed and acceptance into program. Roofs must be at least 25 years old, windows/doors at least 30 years old and boilers at least 25 years old. Due to demand for the program, the 2020 accepted schools had roofs with an age of 30 years or more, windows/doors with an age of 35 years or more and boilers with an age of 35 years or more.*

\*Appearing for the first time on the 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:** Select Board  
Capital Planning Committee

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

**DATE:** October 25, 2021

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

**RE:** Town Administrator FY 2023 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 2023 capital plan. This document contains recommended projects for funding in FY 2023. 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 2023 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 estimated \$5.5M in American Rescue Plan Funds available to the Town from the Commonwealth of Massachusetts and Plymouth County still remain to be applied to a project, or projects, in this plan after further discussion.

The submissions to the FY 2023- 2027 capital plan total \$310,321,564 and include a new elementary school for \$85,000,000 in FY 2026 and a new water treatment plant for \$50,000,000 in FY 2023 totaling 43.5% of the overall plan. A continued investment in the sewer and water infrastructure projects amount to 18.5% and 24.7% respectively. Foreshore protection and road improvements account for 18.9% of the plan with both also receiving additional funding for more projects through the FY 2023 operating budget and state and federal sources. Funding in the amount of \$100,000 for improvements to beach access including repairs to stairs and findings

from the 2018 ADA Transition Plan is recommended. This year's plan includes the town share of funding for the FEMA subsidized repair projects from Storms Sandy Nemo, Juno and Riley. The components of the five year plan are detailed in the following table. These projects will be done in phases as design, engineering and permitting are completed over a 12-36 month period hopefully. 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.

	FY23	FY24	FY25	FY26	FY27	Total	%
Equipment	\$1,150,603	\$1,700,015	\$1,102,160	\$627,215	\$1,305,500	\$5,885,493	1.9%
Sewer Infrastructure	\$4,735,235	\$7,653,000	\$10,484,350	\$33,691,750	\$220,000	\$56,784,335	18.3%
Water Infrastructure	\$59,764,000	\$2,700,000	\$5,622,000	\$3,450,000	\$3,575,000	\$75,111,000	24.2%
Public Works & Roads	\$400,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,600,000	0.5%
Foreshore	\$56,549,787	\$200,000	\$200,000	\$200,000	\$200,000	\$57,349,787	18.5%
Technology	\$420,360	\$868,944	\$0	\$0	\$0	\$1,289,304	0.4%
Facilities Improvements	\$4,858,569	\$3,653,505	\$5,825,085	\$3,340,829	\$9,623,657	\$27,301,645	8.8%
New Buildings	\$0	\$0	\$0	\$85,000,000	\$0	\$85,000,000	27.4%
<b>Totals</b>	<b>\$127,878,554</b>	<b>\$17,075,464</b>	<b>\$23,533,595</b>	<b>\$126,609,794</b>	<b>\$15,224,157</b>	<b>\$310,321,564</b>	<b>100.0%</b>
%	<b>41.2%</b>	<b>5.5%</b>	<b>7.6%</b>	<b>40.8%</b>	<b>4.9%</b>	<b>100.0%</b>	

The FY 2023 portion of the plan included 58 projects totaling \$127,878,554. The recommendation of \$96,678,289 for FY 2023 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 2023 is provided below.

Department	# of Projects	Requested Amount	Recommended Amount	%
DPW - Grounds	4	\$345,000	\$345,000	100%
DPW - Engineering	1	\$100,000	\$100,000	100%
DPW - Highway	4	\$497,300	\$497,300	100%
Foreshore Protection	14	\$56,649,787	\$29,571,882	52%
Facilities	5	\$522,500	\$212,500	41%
Facilities Town Wide Plan	1	\$1,166,069	\$1,166,069	100%
Fire	2	\$115,000	\$115,000	100%
Information Technology	2	\$175,360	\$112,000	64%
School	6	\$2,985,000	\$1,571,000	53%
Police	2	\$175,267	\$175,267	100%
Sewer	6	\$4,806,271	\$4,706,271	98%
Water	8	\$59,984,000	\$57,784,000	96%
Waterways	3	\$357,000	\$322,000	90%
<b>Total</b>	<b>58</b>	<b>\$127,878,554</b>	<b>\$96,678,289</b>	<b>76%</b>

As previously noted, there are other funding sources available to assist the Town in addressing its capital needs that are not reflected in the funding recommendation of the plan as these funds have not yet been secured. These potential grants include Hazard Mitigation grant funding for the \$400,000 Harbor Resiliency Plan, American Rescue Plan Funds (ARPA) of \$5.5M for water and sewer infrastructure projects, \$250,000 of Seaport Economic Advisory Council grants for South River dredging, Clean Vessel Act grants for the Jericho pump out boat ramp as well as increased funding for other existing and new grant programs due to the American Rescue Plan and other purported infrastructure funding. At this time, the classroom sink replacement is not recommended as this project may be able to be done with CARES Act funds through Plymouth County prior to December 31, 2021. If that funding is not approved, the project will be reviewed again through the Capital Planning Committee review process.



MA School Building Authority funding through its Accelerated Repair program is a potential source of funding for roofs, windows/door and boilers but requires an application process as well as the age of the infrastructure to meet minimum guidelines. It is for that reason that the Jenkins Roof Replacement project of \$1,045,000 was not recommended for full funding in FY2023 as it would not qualify for MSBA funding yet due to the age of the building. However, the town-wide facilities plan called for \$87,000 in roofing repairs at that school for FY 2023 so there is funding in the capital plan to address the current roof leaks and a plan for a full replacement once the building qualifies for the MSBA program. Projects done under a similar MSBA program resulted in a 40% MSBA cost share.

FY 2023 is the second 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 second year recommendations for the town-wide facilities plan were recommended for funding in the amount of \$2,645,569 including \$1,235,000 for the high school roof.

The Sewer Department submitted six projects of which five are recommended for funding. A total of \$4.6M is recommended to aggressively address targeted sources of inflow and infiltration to enable the Town to recapture capacity to extend sewer to other areas of town. Ongoing updates to the SCADA system and automation of the aeration valves were also recommended as was the replacement of a 16 year old pick-up truck.

The Water Department submitted eight projects of which seven are recommended for funding. The \$50,000,000 water treatment plant is recommended for funding. Additional funding sources to offset the cost of this facility are being actively sought including the ARPA funds available to the Town and the Commonwealth's increased drinking water funding in the MA Clean Water Trust program. The construction of the Humarock water mains is also being recommended as the water loss in that area is not only costing the town money from the assessment from the Town of Marshfield but also wasting a precious resource. Much needed upgrades to four wells and the ongoing redevelopment of well program are also funded to ensure that these sources of water are maintained and their useful life and production capacity maximized. Funding for water sources in the West End is supported as well as the continuing replacement of water meters. The \$2M for replacement of water mains is being deferred to fall 2022 at this time as the Water Department does not have the capacity to run three concurrent water pipe replacement projects.

The funding for the FY 2023 recommended plan comes from many sources with the largest component being borrowing supported by enterprise fund receipts for the large sewer and water projects and the tax levy for the foreshore protection and high school roof projects. The overall impact of the recommended projects could also be reduced by grants, MSBA funding and ARPA funding as previously mentioned. The plan recommends 50 of the 58 submitted projects for funding. The foreshore protection borrowing will not occur all in one year but over phases as each of these projects is completed. Design, engineering and permitting is ongoing for all of the FEMA foreshore projects listed.



## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds	Available to be
					Re-allocated
1123920	589000	20N5	ATHLETIC FIELDS	33,560.89	No
1155919	589000	19S32	INFO TECH UPGRADES & LICENSING	42,939.80	TBD
1155920	589000	20N75	PERMITTING SYSTEM	111,140.00	Yes-\$ TBD
1155920	589000	20A3P	SIMPLIVITY DATA INFRASTRUCT	28,896.79	TBD
1155921	589000	21A3M	PHONE SYSTEM EXPANSION	55,000.00	No
1175918	589000	18A3O	MASTER PLAN UPDATE	1,500.00	TBD
1220918	589000	18A3N	Communications Equip Stn 1&4	1,138.95	No
1220919	589000	19A3E	HUMAROCK FIRE STN RENOVATION	51,993.30	No
1220920	589000	20N72	FIRE STN #1 OVRHD DOORS	3,224.49	TBD
1220921	589000	21A3L	REFURBISH 2006 RESCUE PUMPER	70,000.00	No
1241921	589000	21A3N	DIGITIZE DEPT RECORDS	308,541.00	No
1300915	589000	15A3E	Jenkins Outside Stairs	50,000.00	No
1300917	589000	17A3J	Ceiling Tile Replacement H-C	40,000.00	No
1300920	589000	20A3X	CUSHING ACCESSIBILITY IMPS	50,000.00	No
1300920	589000	20A3W	WIRELESS SMOKE DET CUSH & HATH	50,000.00	No
1300921	589000	21A3P	REPLACE SHS FLOORING	250,000.00	No
1300921	589000	21A3Q	SCHOOL TECHNOLOGY	69,094.71	No
1300921	589000	21A3R	WAMPATUCK PARKING LOT	303,673.00	No
1410919	589000	19A3F	SECURITY UPGRADES TO FACILITIE	1,258.80	TBD
1410919	589000	19S33	SECURITY UPGRADES TOWN BLDGS	56,686.19	TBD
1410920	589000	20A3L	FACILITIES HANDYMAN VEHICLE	32,000.00	No
1410921	589000	21A3K	FACILTIIES VEHICLE	32,500.00	No
1410921	589000	21A3H	OLD GATES SPRINKLER PUMP	80,400.00	No
1410921	589000	21A3J	TOWN HALL & BOH HVAC IMPS	40,000.00	No
1410921	589000	21A3I	YR 1 TOWN WIDE FAC PLAN	142,117.00	No
1411916	589000	16A4E	Foreshore Protection	37,983.96	No
1411917	589000	17A3H	Cudworth Cemetery Ph 2	814.15	Yes
1411917	589000	17A3F	Foreshore Protection	4,843.50	No
1411917	589000	17A3A	Road & Sidewalk Impvmnts	186,234.59	No
1411920	589000	20A3C	FORESHORE PROTECTION	189,781.38	No
1411921	589000	21A3A	FORESHORE PROTECTION	198,814.52	No
1422919	589000	19A3A	ROADS & SIDEWALKS	218,171.35	No
1422920	589000	20A3G	ROADS & SIDEWALKS	196,417.19	No
1422921	589000	21A3D	ROAD & SIDEWALK IMPS	197,250.00	No
1422921	589000	21A3F	STREET SWEEPER	1,946.94	Yes-\$ TBD
1429915	589000	15A3G	Cudworth Cemetery	401.51	Yes
1429918	589000	18A3J	Expand Cudworth Cemetery #3	7,805.09	Yes
1429919	589000	19A3B	CUDWORTH CEMETERY	25,000.00	No
1429920	589000	20A3D	1985 JOHN DEERE TRACTOR REPL	1,338.38	Yes-\$ TBD
1429920	589000	20A3E	TRUCK 2-5 REPLACEMENT	2,015.00	Yes-\$ TBD
30000580	589000	20A3S	HIGH SCHOOL LOCKER ROOMS	710,000.00	No
30000580	589000	20A3U	WAMPATUCK PORTICO	175,000.00	No
32000580	589000	12A4H	Energy savings contract (ESCO)	24,000.29	TBD

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds	Available to be Re-allocated
32000580	589000	14A5A	Integrated Financial System	637.50	TBD
<b>General Fund Total</b>				<b>4,084,120.27</b>	
33000580	589000	21A3W	REPLACE 2010 LOADER	1,525.00	Yes-\$ TBD
33000580	589000	20N76	YARD JOCKEY REPLACEMENT	385.20	Yes-\$ TBD
63433917	589000	173DD	Landfill Gas Piping	175,000.00	No
63433918	589000	183LL	Sand Blast & Paint Scale	40,000.00	No
63433919	589000	19A3Q	CRACK SEAL & PAVEMENT MRKGS	35,665.94	TBD
63433920	589000	20N1	UNPAID PY BILLS	133.09	Yes
<b>Transfer Station Enterprise Total</b>				<b>252,709.23</b>	
34000580	589000	173FF	Cedar Point Inflow & Infiltrn	54,515.00	No
34000580	589000	21A3V	SEWER FACILITIES PLAN	660,000.00	No
64440915	589000	15A3R	Upgrade Sand Hills Pump Statio	421.92	TBD
64440917	589000	173HH	Rehabilitation Clarifier 3	14,148.46	TBD
64440918	589000	183HH	Aeration Tanks 1 & 2 Rehab	38,280.00	TBD
64440918	589000	183II	Sand Hills & Chain Pond Final	42,285.98	TBD
64440919	589000	19A3P	DEWATERING HEATING SYSTEM	100,000.00	No
64440919	589000	19SJ2	FIBER CAPITAL OUTLAY	3,990.70	TBD
64440919	589000	19A3O	OSHA & SPCC COMPLIANCE	30,000.00	TBD
64440919	589000	19A3N	SCADA PHASE 4	180,163.58	TBD
64440919	589000	19S33	SECURITY UPGRADES	19,059.74	TBD
64440920	589000	203BB	CLARIFIER LAUNDER COATING	75,000.00	No
64440920	589000	203AA	I & I MEASURES	44,519.59	No
64440920	589000	203CC	SEWER MAIN INSPECTION PROGRAM	2,249.92	TBD
64440921	589000	21A3U	CLARIFIER UPGRADE	180,001.00	No
<b>Sewer Enterprise Total</b>				<b>1,444,635.89</b>	
35000580	589000	183NN	Chemical Feed Tanks	37,282.15	Yes
35000580	589000	18S5	Emergency WTP Repairs	124,963.27	No
35000580	589000	203EE	PERM RESIDUALS DISP WELL 18B	63,676.65	No
35000580	589000	203FF	REPLACE WATER MAINS	82,402.77	No
35000580	589000	21A3Y	STORAGE TANK IMPROVEMENTS	166,873.83	No
35000580	589000	12A4R	Water back-up generator well #	26,494.99	Yes
35000580	589000	10A4H	Water Mains	105.03	No
35000580	589000	19A3U	WELL 17A GREEN SAND CONST	224,246.53	No
65450913	589000	13N11	Water Main Replacement	216,944.66	No
65450916	589000	16A4P	Emergency Generator Well #18	36,160.18	No
65450916	589000	16A4R	Well #17 Upgrades	6,510.06	Yes
65450916	589000	16A4O	Well #19 Envir. Review	38,842.90	No
65450917	589000	17A3Y	Dolan Field Design & Permitng	47,215.00	No
65450918	589000	183RR	Upgrade to Well #17A	128,590.29	Yes- \$ TBD

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds	Available to be Re-allocated
65450919	589000	19SJ2	FIBER CAPITAL OUTLAY	5,603.22	TBD
65450919	589000	19S33	SECURITY UPGRADES	405.03	TBD
65450919	589000	19S35	WATER METER REPLACEMENT	110,154.30	No
65450920	589000	203GG	CHEMICAL FEED SYSTEM TWO LOC	19,954.40	No
65450920	589000	203II	METER REPLACEMENT	47,909.54	No
65450921	589000	21A19	LAND ACQ- COWINGS COVE	5,252.84	No
65450921	589000	21A3Y	STORAGE TANK IMPS	333,126.17	No
<b>Water Enterprise Total</b>				<b>1,722,713.81</b>	
61661917	589000	17A3V	HVAC Replacement	4,806.00	Yes
61661917	589000	17A3U	Irrigation System Design	2,350.00	Yes
61661918	589000	18A3A	Design & Eng Imprvmnts	566.67	No
61661918	589000	18A3C	Netting Replacement	1,250.00	Yes
31500580	589000	213CC	Widows Walk Imp & Prkng Lot	31,787.36	No
<b>Widows Walk Enterprise Total</b>				<b>40,760.03</b>	
36000580	589000	07417	MARINA EXPANSION	2,800.04	No
36000580	589000	15A3N	RIVER & HARBOR DREDGING	54,101.39	No
36000580	589000	183UU	Unit Vessel #3 Replacement	1,465.00	Yes
66298912	589000	12A4V	Dredging - South River	30,000.00	No
66298913	589000	13A3Q	Repairs Harbormaster Building	14,450.00	Yes
66298915	589000	15A3O	Replace HVAC System HM Bldg	716.26	Yes
66298919	589000	19A3X	COMPREHENSIVE DREDGE PERMIT	40,000.00	No
66298919	589000	19S33	SECURITY UPGRADES	442.76	Yes
66298919	589000	19SN2	TOWN MARINA PILINGS	83,180.94	TBD
66298920	589000	203LL	DOCKS & GANGWAYS TOWN SHR	50,000.00	No
66298920	589000	203MM	MOORING FIELD REGRID STUDY	55,000.00	Yes
66298920	589000	203KK	REPLACE 2004 HARBORMTR TRUCK	1,188.75	Yes
66298921	589000	213AA	CPM DOCK REPLACEMENT	200,000.00	No
66298921	589000	213BB	RE-POWER UNIT 1	47,000.00	No
<b>Waterways Enterprise Total</b>				<b>580,345.14</b>	

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.

# Issued Long Term Debt Principal All Funds

Funding Source	FY22-41	Retiring FY22	Fully Retired
Debt Exclusions (Outside Tax Levy Limit)	\$62,602,000	\$1,440,065	FY41
General Fund (Within Tax Levy Limit)	\$14,076,049	\$3,695,500	FY39
Golf Enterprise	\$1,502,000	\$152,000	FY31
Transfer Station Enterprise	\$103,900	\$18,900	FY31
Sewer Enterprise	\$11,794,552	\$1,500,695	FY41
Water Enterprise	\$25,573,700	\$1,636,700	FY41
Waterways Enterprise	\$1,440,500	\$358,600	FY31
Community Preservation (CPA)	\$1,977,000	\$202,000	FY31
<b>Total</b>	<b>\$119,069,701</b>	<b>\$9,004,460</b>	

*Outside levy limit means beyond the limitations imposed by Proposition 2-1/2 on maximum taxation requiring specific authorization by voters at the time the projects were approved.*

# Issued Long Term Debt

## Principal & Interest - All Funds

Funding Source	FY22-41	Retiring FY22	Fully Retired
Debt Exclusions (Outside Tax Levy Limit)	\$85,457,581	\$6,388,151	FY41
General Fund (Within Tax Levy Limit)	\$17,023,796	\$1,971,567	FY39
Golf Enterprise	\$1,893,876	\$252,876	FY31
Transfer Station Enterprise	\$123,543	\$23,893	FY31
Sewer Enterprise	\$13,781,885	\$1,868,672	FY41
Water Enterprise	\$33,884,997	\$2,810,252	FY41
Waterways Enterprise	\$1,644,727	\$429,327	FY31
Community Preservation (CPA)	\$2,490,063	\$334,763	FY31
Total	\$156,300,468	\$14,079,501	

*Outside levy limit means beyond the limitations imposed by Proposition 2-1/2 on maximum taxation requiring specific authorization by voters at the time the projects were approved.*

# Debt Statistics

## Debt Retirement %

Description	5 Years- FY27	10 years- FY32	15 years- FY37
Debt Exclusions (Tax Levy Additional)	33.8%	59.4%	84.4%
General Fund (Within Tax Levy Limit)	53.9%	84.5%	99.4%
Golf Enterprise	60.1%	100%	100%
Transfer Station Enterprise	75.9%	100%	100%
Sewer Enterprise	59.6%	84.8%	95.6%
Water Enterprise	36.0%	61.9%	84.5%
Waterways Enterprise	87.2%	100%	100%
Community Preservation (CPA)	60.5%	100%	100%
<b>All Funds</b>	<b>59.9%</b>	<b>85.9%</b>	<b>97.9%</b>

*Advantages of rapid amortization*

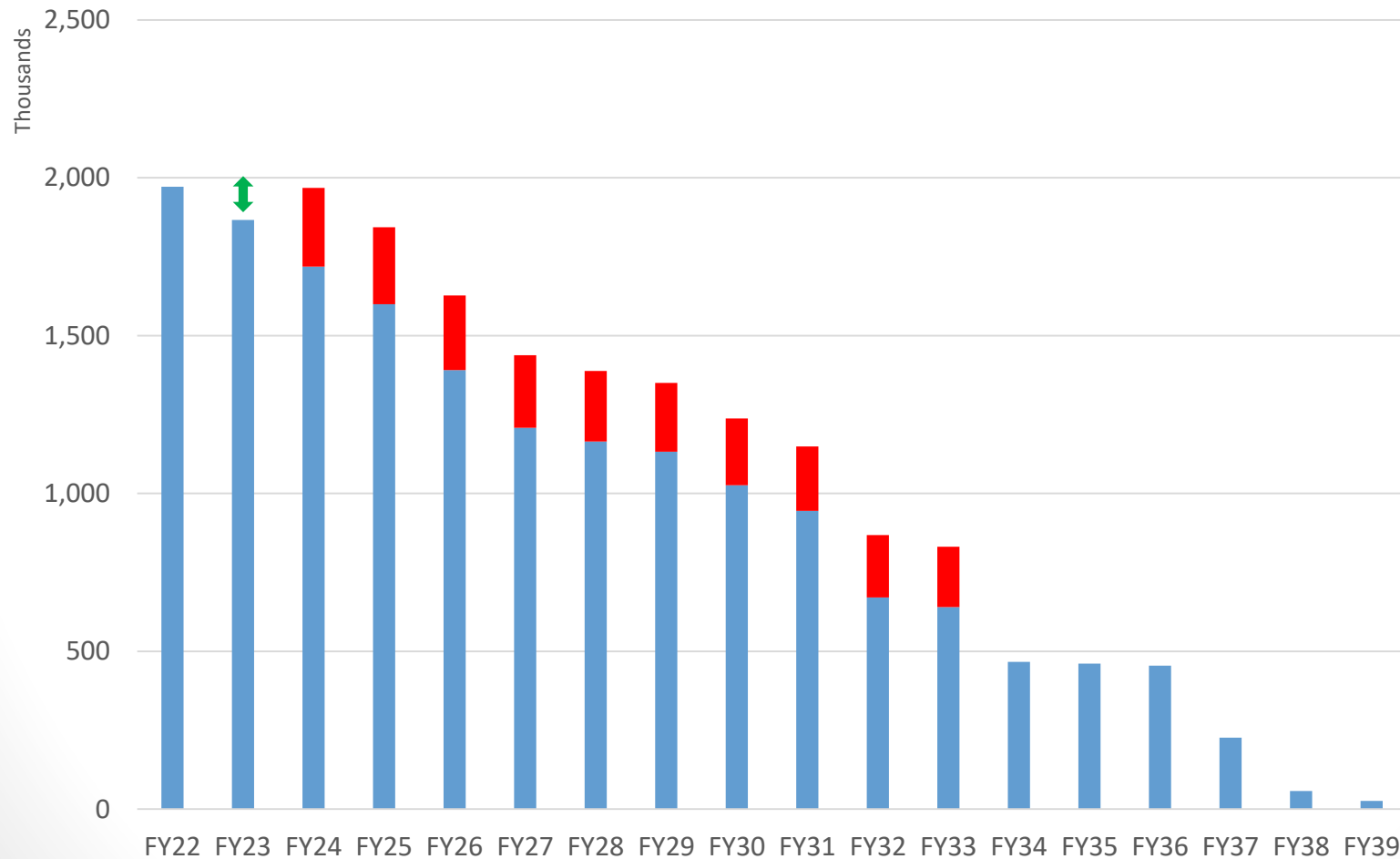


# Issued Long Term Debt Principal – General Fund (Within Tax Levy) – FY22-41

Category	FY22-41 Principal	%
School Buildings/Equipment/Fields	\$2,903,400	20.1%
Roads/Drainage	\$780,000	5.4%
Foreshore Protection	\$4,470,549	30.9%
Equipment/Vehicles	\$295,000	2.0%
Town Buildings	\$530,200	3.7%
Energy Savings (ESCO)	\$5,476,900	37.9%
Total	\$14,456,049	100%

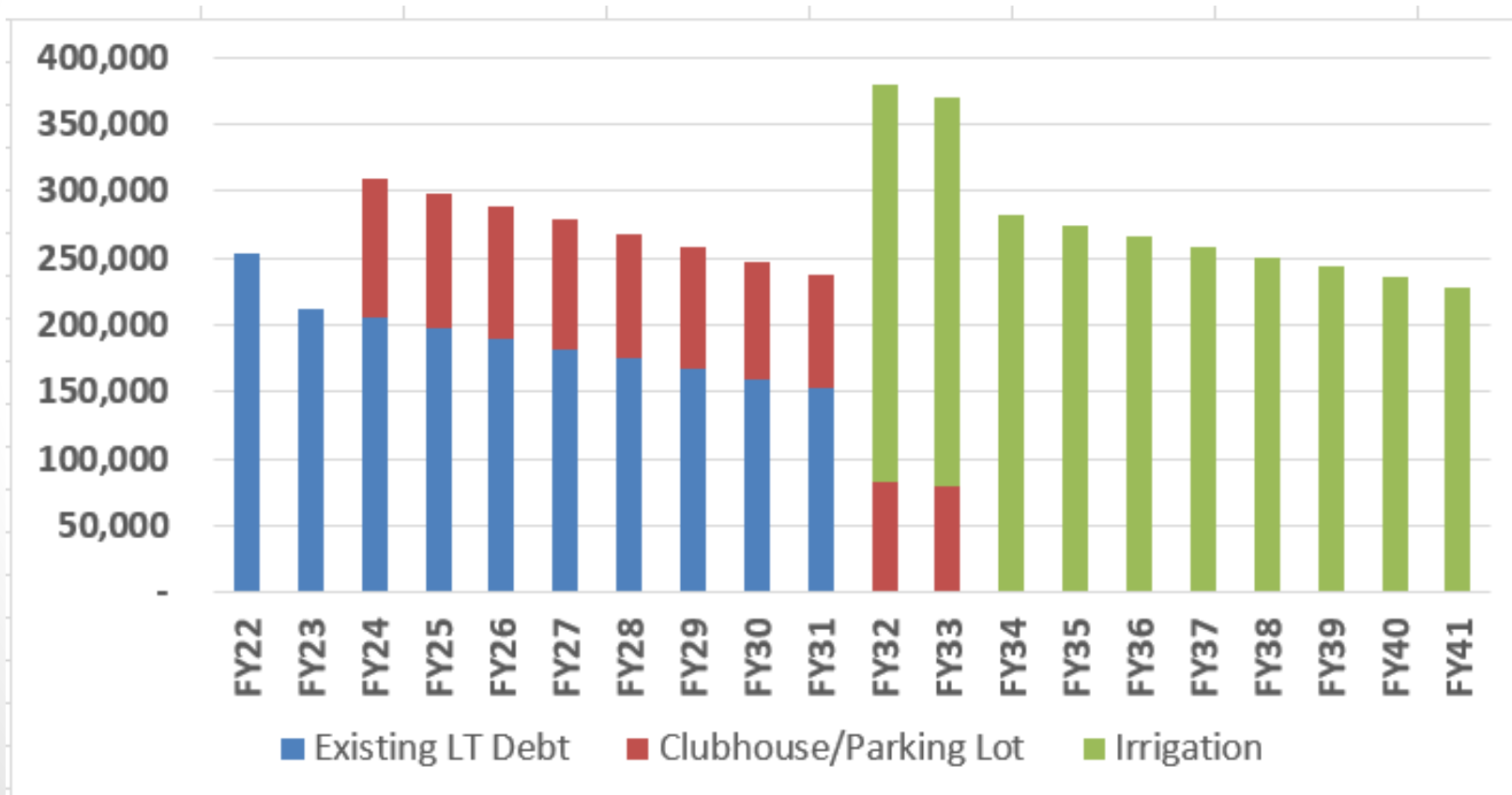
*Does not include debt exclusions.*

# GF Debt (Within Tax Levy) – Issued Debt and Authorized Debt



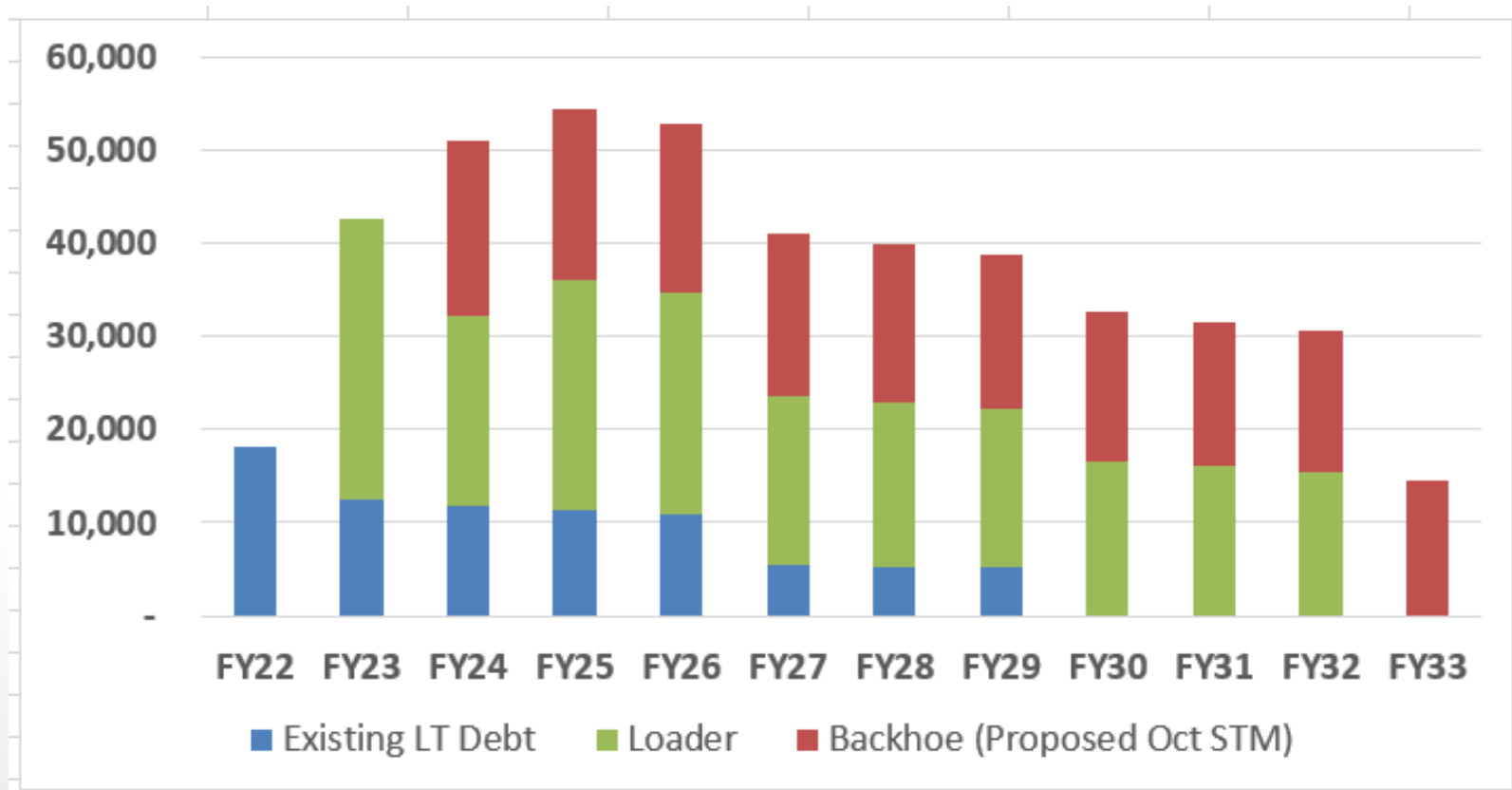
# Widows Walk Enterprise

- To mitigate impact on operational budget, pay down of additional \$770,000 for parking lot and clubhouse should be made from retained earnings or from Widows Walk Capital Stabilization Fund



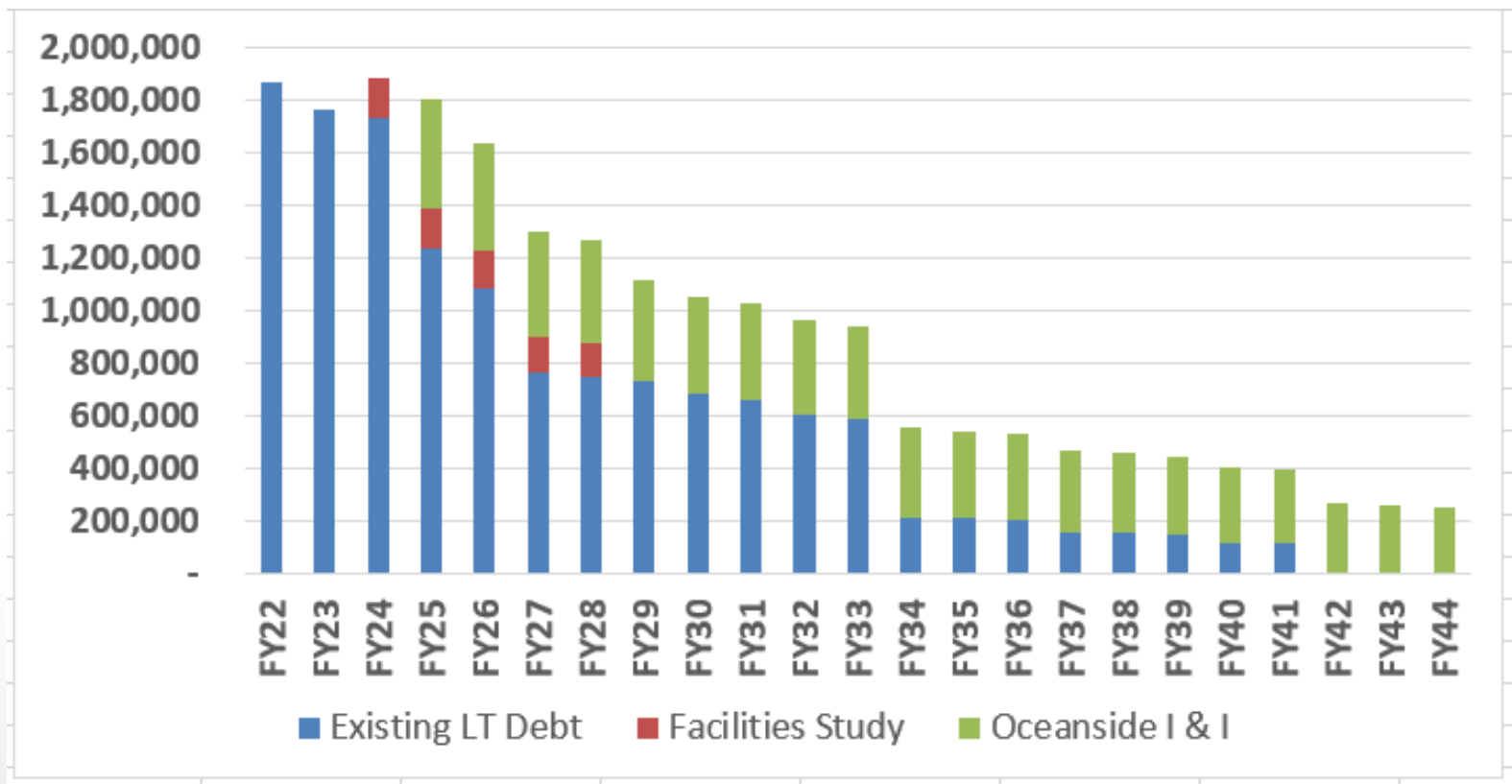
# Transfer Station Enterprise

- Depending on retained earnings, backhoe, if approved, could be potentially funded as pay a you go rather than debt



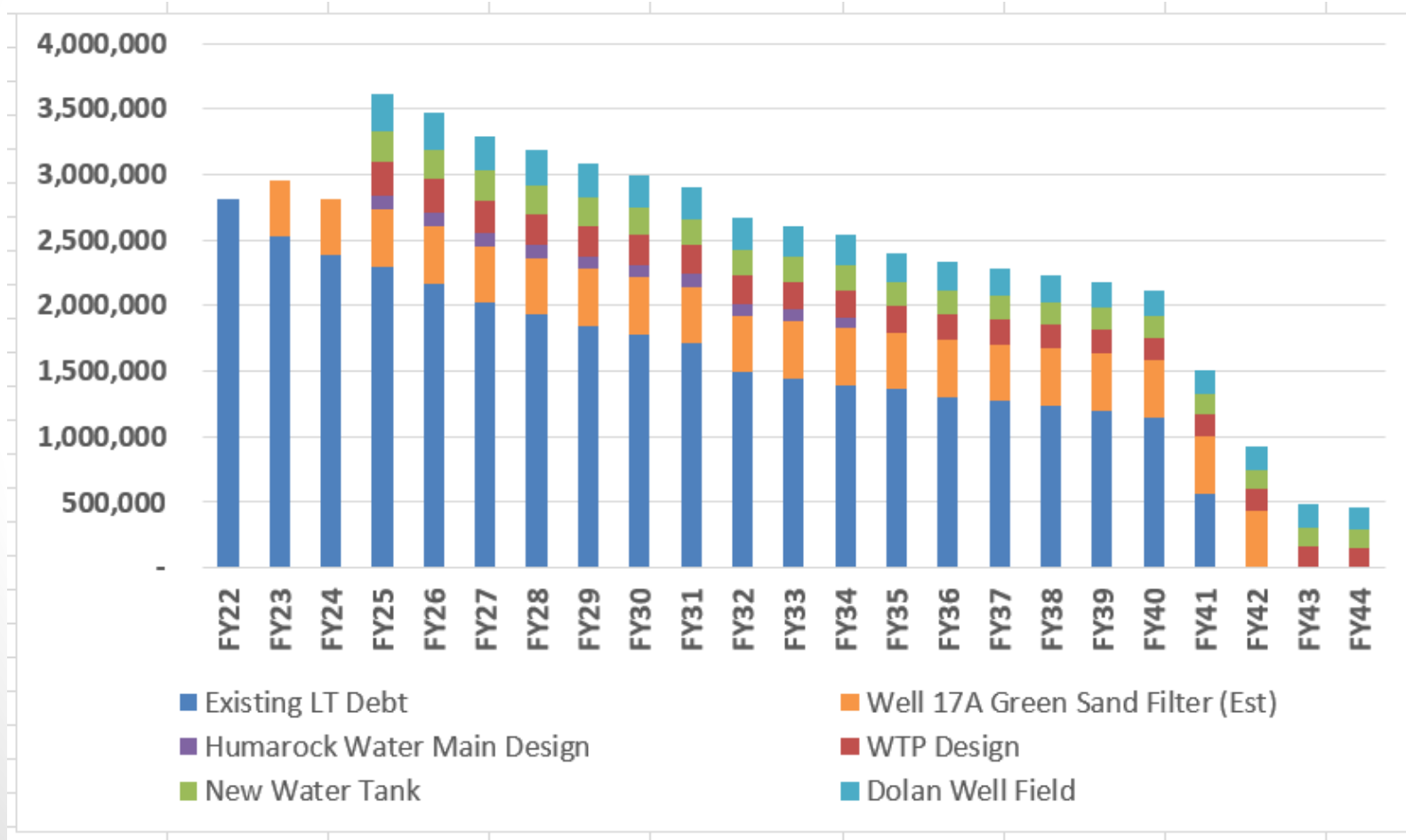
# Sewer Enterprise

- Facilities study (\$660,000) shown as a five year borrowing as it is a study. The term can be extended if a related construction project is approved.



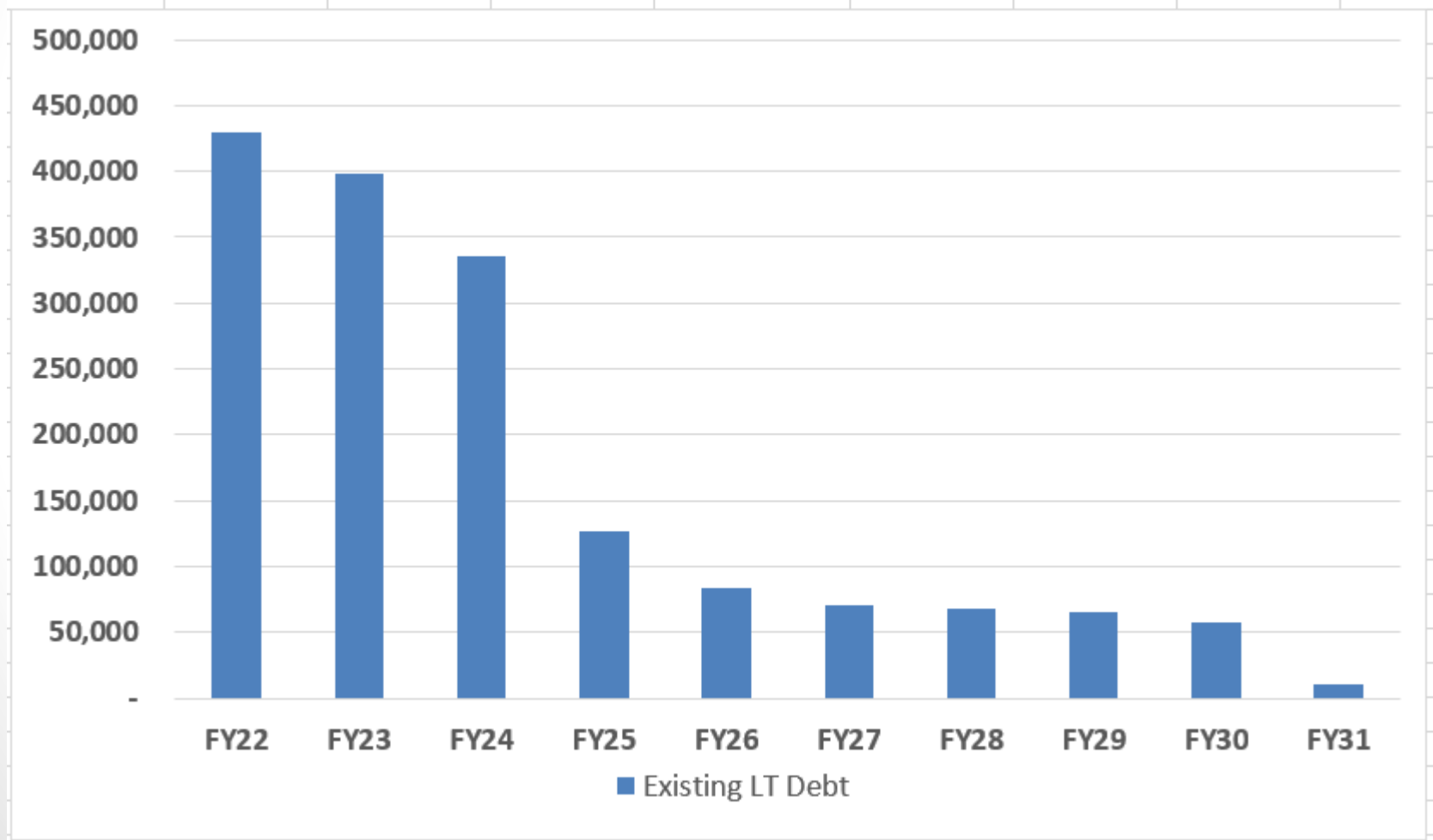
# Water Enterprise

- Assumes all authorized debt issued by FY25.
- Does not factor in new water treatment plant or proposed \$3M in water mains (October 2021 STM)



# Waterways Enterprise

- Only remaining authorization is \$65,000 for dredging which is not reflected below as there is not a current dredging project.



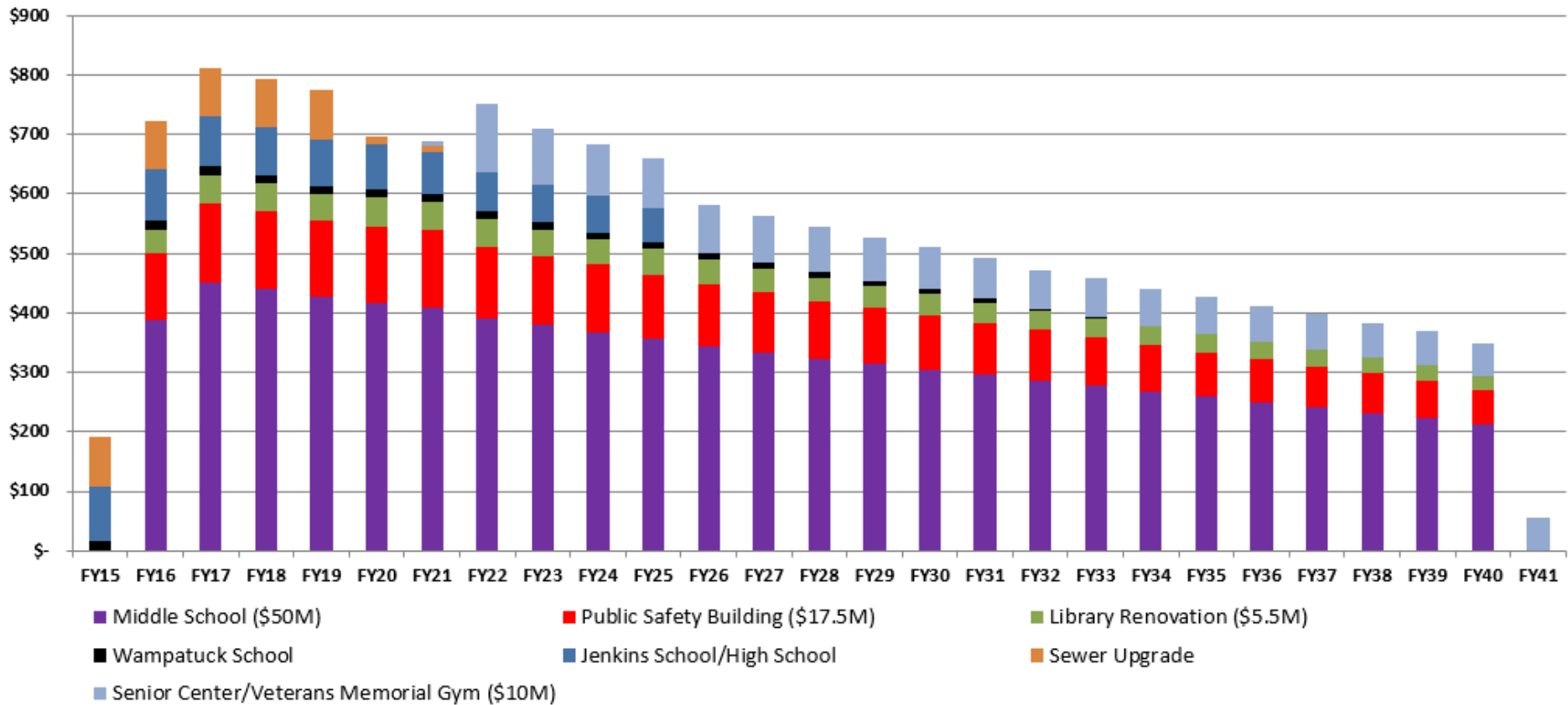
# Existing Debt Exclusions

Project	FY Debt Retired	Total Principal Outstanding	Total Principal & Interest Outstanding
Sewer Upgrade	2021	\$0	\$0
Jenkins/High School	2025	\$1,860,000	\$2,046,000
Wampatuck School	2033	\$751,500	\$891,660
Public Safety Complex	2040	\$11,930,500	\$16,548,410
Library Renovation	2040	\$3,915,000	\$5,419,750
Middle School	2040	\$35,265,000	\$48,994,000
New Senior Center/Veterans Mem Gym	2041	\$8,880,000	\$11,557,761
<b>Total</b>		<b>\$62,602,000</b>	<b>\$85,457,581</b>



# Existing Debt Exclusions

Current Scituate Debt Exclusions - Tax Impact on Average Home



Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
47	MS4 Compliance	2023-421-01	DPW-Engineering	2023	GF	\$ 100,000	
47	MS4 Compliance	2024-421-01	DPW-Engineering	2024	GF	\$ 100,000	
47	MS4 Compliance	2025-421-01	DPW-Engineering	2025	GF	\$ 100,000	
47	MS4 Compliance	2026-411-01	DPW-Engineering	2026	GF	\$ 100,000	
47	MS4 Compliance	2027-411-01	DPW-Engineering	2027	GF	\$ 100,000	
<b>Total FY2023-2027</b>						<b>\$ 500,000</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1123920	589000	20N5	ATHLETIC FIELDS	33,560.89
1411916	589000	16A4E	Foreshore Protection	37,983.96
1411917	589000	17A3H	Cudworth Cemetery Ph 2	814.15
1411917	589000	17A3F	Foreshore Protection	4,843.50
1411917	589000	17A3A	Road & Sidewalk Impvmnts	186,234.59
1411920	589000	20A3C	FORESHORE PROTECTION	189,781.38
1411921	589000	21A3A	FORESHORE PROTECTION	198,814.52
1422919	589000	19A3A	ROADS & SIDEWALKS	218,171.35
1422920	589000	20A3G	ROADS & SIDEWALKS	196,417.19
1422921	589000	21A3D	ROAD & SIDEWALK IMPS	197,250.00
1422921	589000	21A3F	STREET SWEEPER	1,946.94
1429915	589000	15A3G	Cudworth Cemetery	401.51
1429918	589000	18A3J	Expand Cudworth Cemetery #3	7,805.09
1429919	589000	19A3B	CUDWORTH CEMETERY	25,000.00
1429920	589000	20A3D	1985 JOHN DEERE TRACTOR REPL	1,338.38
1429920	589000	20A3E	TRUCK 2-5 REPLACEMENT	2,015.00
<b>General Fund Total</b>				<b>1,302,378.45</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-01
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 separate storm sewer system (MS-4) is a publicly-owned conveyance or system of conveyances designed and used for collecting or conveying stormwater. We are currently in the year 4 of the General Permit process and requirements continue to increase. This increase in mandated requirements will require increased involvement from Consultants and subconsultants to perform various tasks in the field including monitoring, testing and reporting. As the permit progresses, physical improvements to existing stormwater systems will be required.*

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$100,000	\$100,000					<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
TOTAL	\$100,000	\$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	\$100,000	\$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					



## MS4 General Permit Permit Year 4 & 5 Budget Items September 24, 2021

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### PERMIT YEAR 4

• Dry Weather Screening of Outfalls	\$55,000
• Transfer Station SPCCP	\$9,700
• Highway Yard SWPPP	\$8,800
• Stormwater Bylaw/Regulations Revisions	\$14,000
• Code Audit to Identify Barriers to Green Design	\$16,000
• Retrofit Inventory of Town-Owned Property	\$22,500
• SCM Tracking for Phosphorus Reduction	\$5,000
• Phosphorus Source Identification Report	\$6,400
• Permit Year 3 Annual Report Support	\$1,000
<b>TOTAL Permit Year 4 Budget:</b>	<b>\$138,400</b>

### PERMIT YEAR 5

• Year 1 Catchment Investigations and Mapping Updates (spread out over 6 years)	\$156,000
• Annual SWPPP Training	\$8,000
• Continued SCM Tracking for Phosphorus Reduction	\$5,000
• SWMP and System Mapping Updates/Support	\$10,000
• Permit Year 4 Annual Report Support	\$2,500
<b>TOTAL ESTIMATED Permit Year 5 Budget:</b>	<b>\$181,500</b>

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### **Activities Planned for Next Reporting Period**

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

### **Annual Requirements**

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements

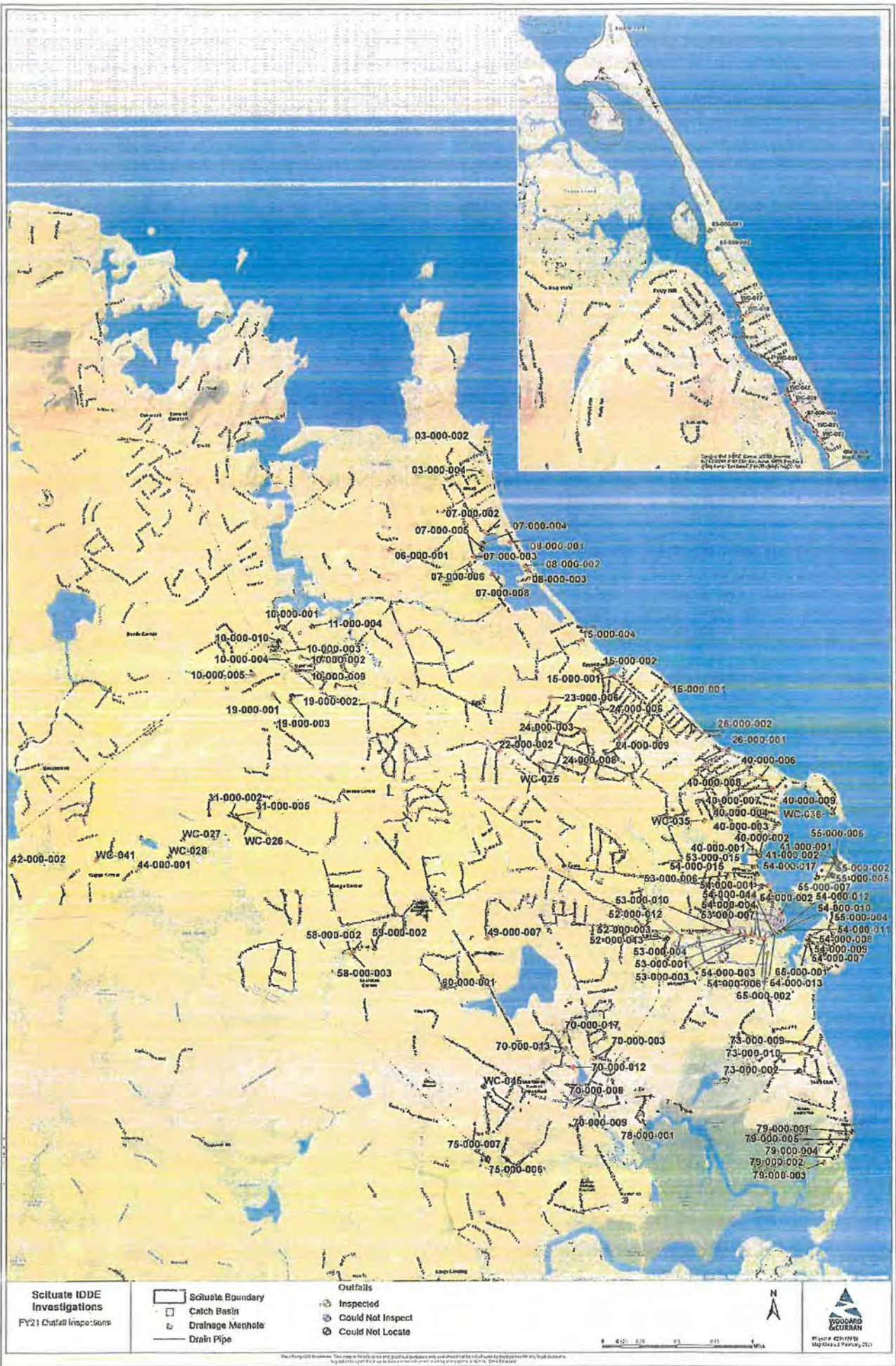
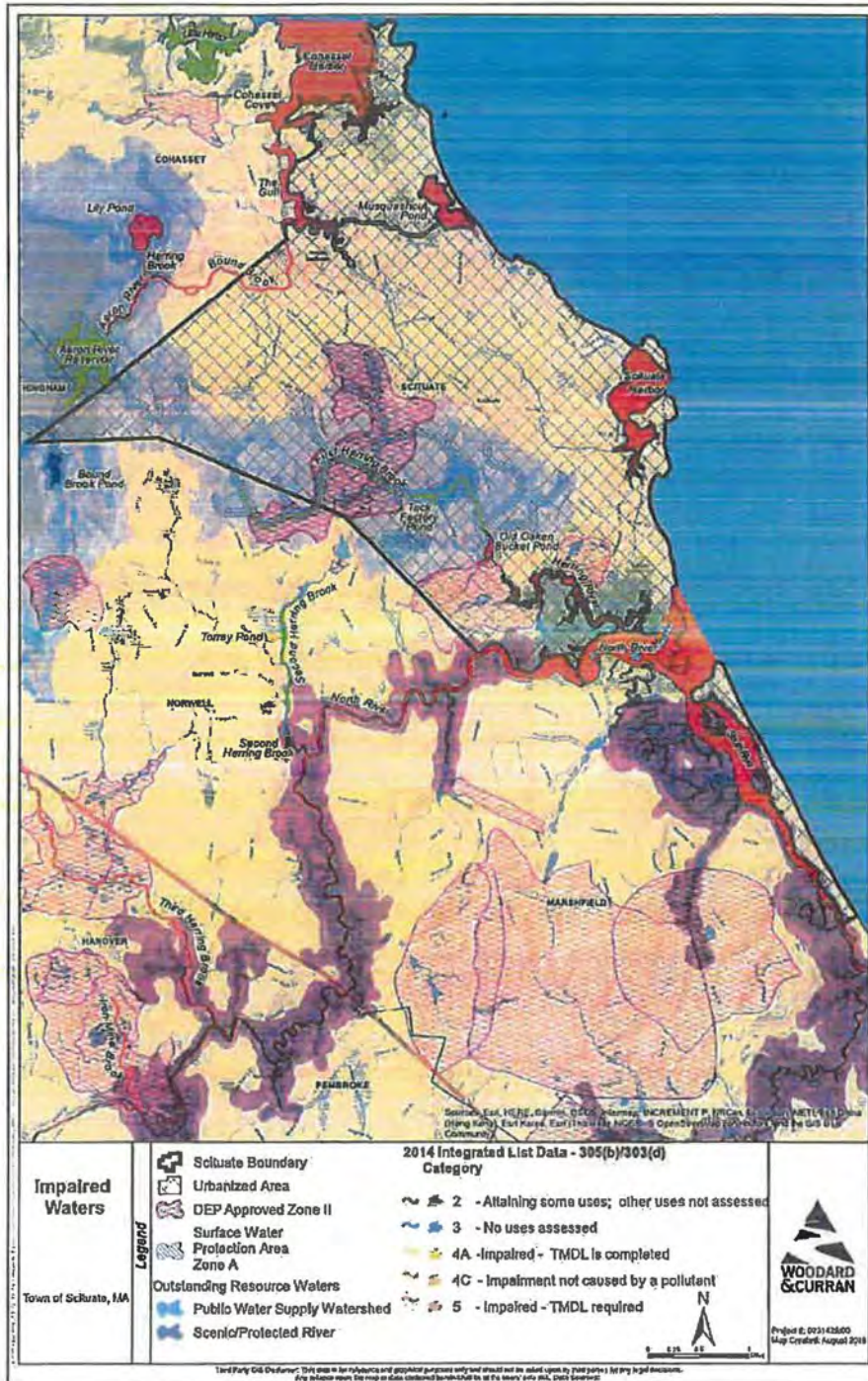




Figure 1-2: Scituate's Impaired Waters (2014)







# Stormwater Management

## Summary<sup>1</sup> of the Six Minimum Control Measures for Small MS4<sup>2</sup>

U.S. EPA & MASSDEP | STORMWATER OUTREACH IN MASSACHUSETTS

1. Public Education and Outreach- Municipalities are required to provide educational material about stormwater to four audiences (residents, industry, commercial, and construction). The purpose of the educational material is to provide the targeted audience information about stormwater and how their actions may impact it. The permit requires 2 messages for each audience during the five year permit term.
2. Public Participation – Municipalities are required to at least annually provide an opportunity for the public to participate in the development/implementation of their Stormwater Management Program (SWMP). Notices must comply with state public notice requirements.
3. Illicit Discharge Detection and Elimination – Municipalities are required to find and eliminate sources of non-stormwater from their storm sewer system. The permit requires a proactive rather than a reactive approach. Municipalities are expected to systematically look in their system for non-stormwater sources and remove them. Part of this requirement includes development of system wide storm sewer system map.
4. Management of Construction Site Runoff – Municipalities are required to have an ordinance from management of stormwater discharges from construction sites that disturb one or more acres of land. Their ordinance should include requirements for projects to implement sediment and erosion control practices as well as requirements for site plan review.
5. Management of Post Construction Site Runoff (New Development and Redevelopment) – Municipalities are required to address stormwater runoff from new development and redevelopment that disturb one or more acres of land. The goal of this measure is to try to management stormwater where it falls and retain it on site. This control measure encourages the use of low impact design techniques and requires the retention or treatment of runoff on site using green infrastructure practices.
6. Good Housekeeping in Municipal Operations – Municipalities are required to implement good housekeeping practices in municipal operations such as vehicle maintenance, open space, buildings and infrastructure. The permit requires at least annual street sweeping and optimization of catch basin cleaning. Development of pollution prevention plans are required at waste management facilities and maintenance garages not already regulated by another NPDES<sup>3</sup> permit.

Additional Permitting information available at:

[http://www3.epa.gov/region1/npdes/stormwater/MS4\\_MA.html](http://www3.epa.gov/region1/npdes/stormwater/MS4_MA.html)

<sup>1</sup>Specific requirements are contained in the final permit available at the website above.

<sup>2</sup>MS4 means Municipal Separate Storm Sewer System

<sup>3</sup>NPDES means National Pollutant Discharge Elimination System



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2024-411-01
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 separate storm sewer system (MS-4) is a publicly-owned conveyance or system of conveyances designed and used for collecting or conveying stormwater. We are currently in the year 4 of the General Permit process and requirements continue to increase. This increase in mandated requirements will require increased involvement from Consultants and subconsultants to perform various tasks in the field including monitoring, testing and reporting. As the permit progresses, physical improvements to existing stormwater systems will be required.*

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$100,000		\$100,000				<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>\$100,000</b>	<b>\$0</b>	<b>\$100,000</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>\$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



## MS4 General Permit Permit Year 4 & 5 Budget Items September 24, 2021

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### PERMIT YEAR 4

• Dry Weather Screening of Outfalls	\$55,000
• Transfer Station SPCCP	\$9,700
• Highway Yard SWPPP	\$8,800
• Stormwater Bylaw/Regulations Revisions	\$14,000
• Code Audit to Identify Barriers to Green Design	\$16,000
• Retrofit Inventory of Town-Owned Property	\$22,500
• SCM Tracking for Phosphorus Reduction	\$5,000
• Phosphorus Source Identification Report	\$6,400
• Permit Year 3 Annual Report Support	\$1,000
<b>TOTAL Permit Year 4 Budget:</b>	<b>\$138,400</b>

### PERMIT YEAR 5

• Year 1 Catchment Investigations and Mapping Updates (spread out over 6 years)	\$156,000
• Annual SWPPP Training	\$8,000
• Continued SCM Tracking for Phosphorus Reduction	\$5,000
• SWMP and System Mapping Updates/Support	\$10,000
• Permit Year 4 Annual Report Support	\$2,500
<b>TOTAL ESTIMATED Permit Year 5 Budget:</b>	<b>\$181,500</b>

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### **Activities Planned for Next Reporting Period**

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

### **Annual Requirements**

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements

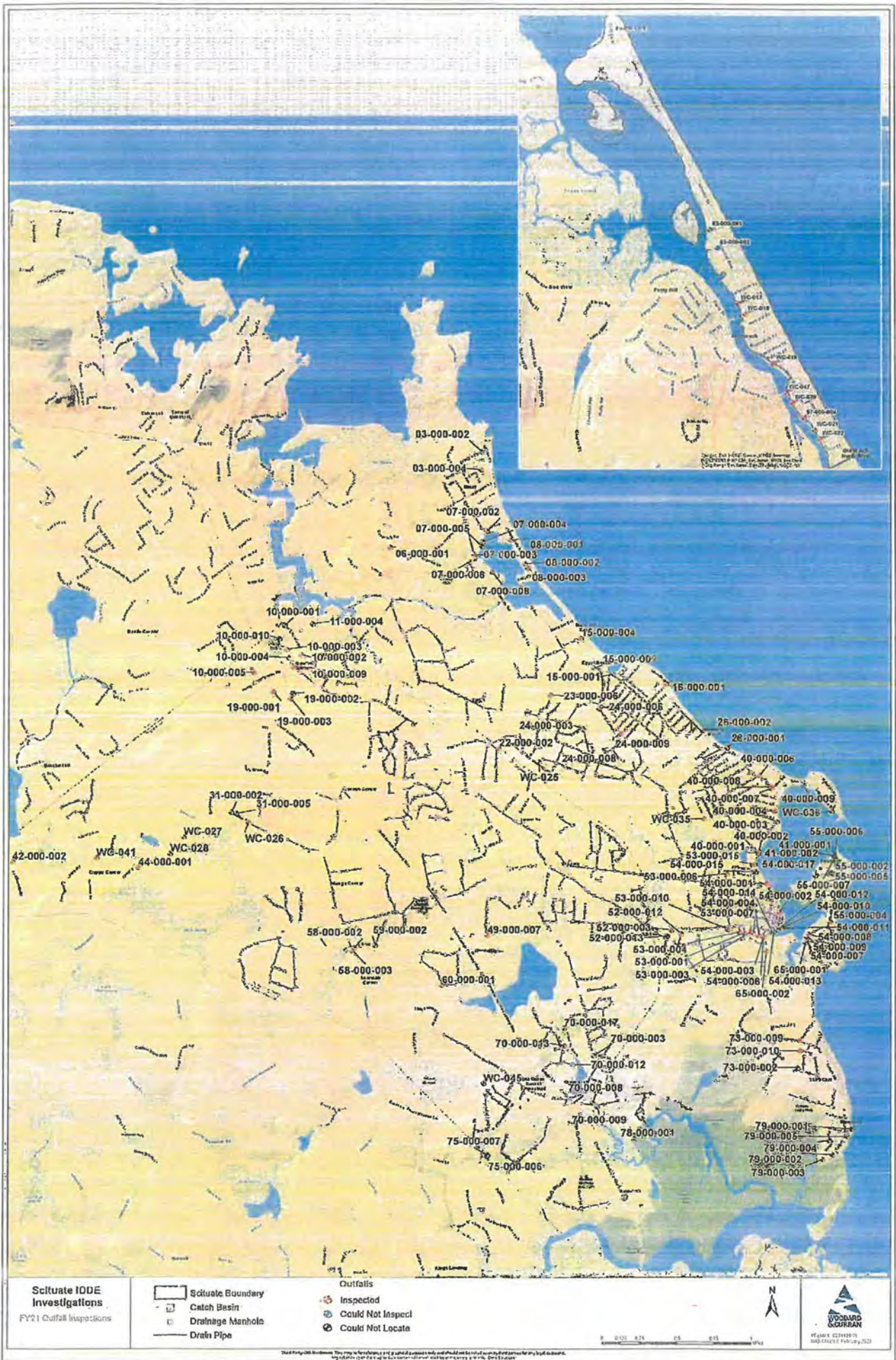
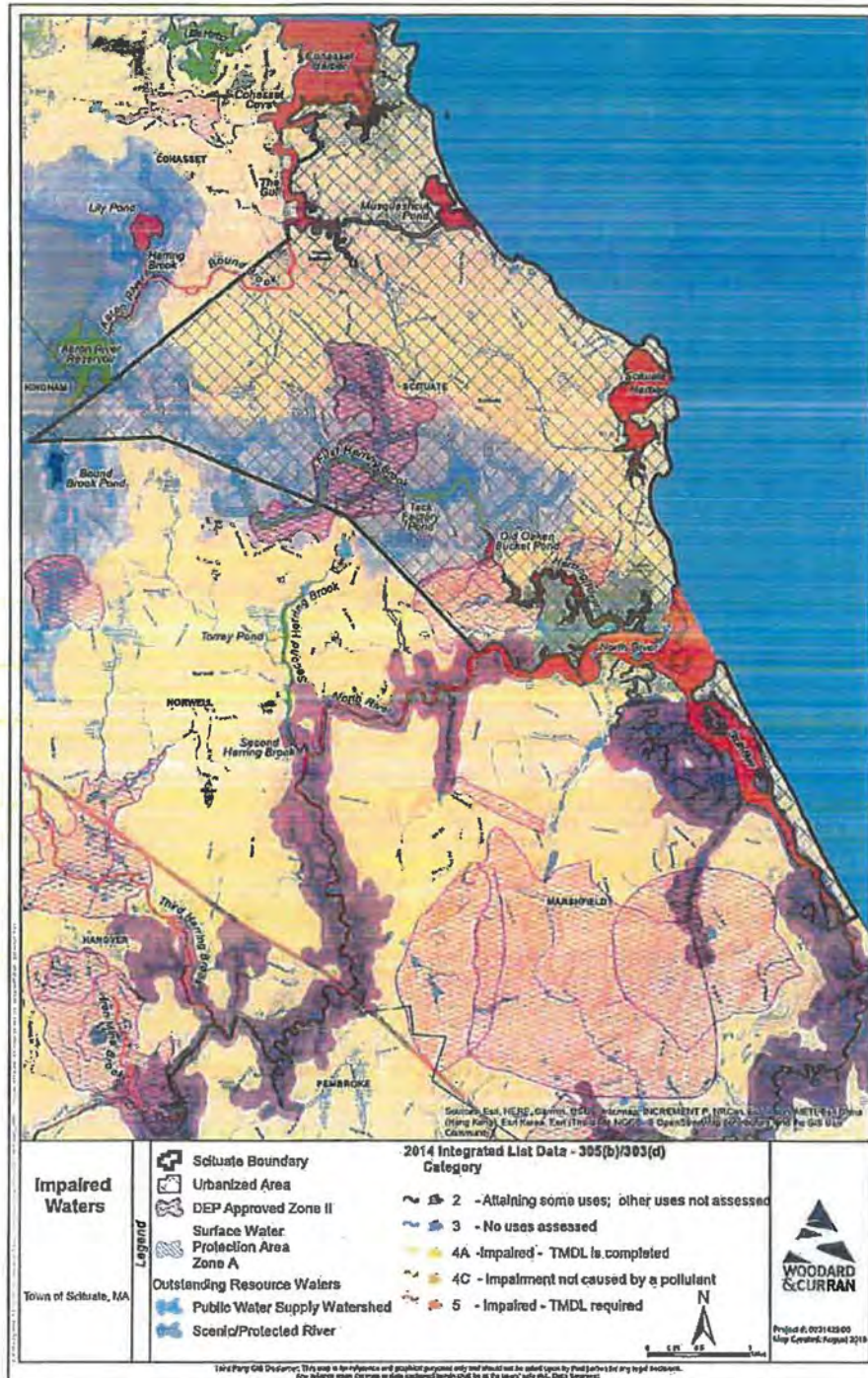




Figure 1-2: Scituate's Impaired Waters (2014)





# Stormwater Management

## Summary<sup>1</sup> of the Six Minimum Control Measures for Small MS4<sup>2</sup>

U.S. EPA & MASSDEP | STORMWATER OUTREACH IN MASSACHUSETTS

1. **Public Education and Outreach-** Municipalities are required to provide educational material about stormwater to four audiences (residents, industry, commercial, and construction). The purpose of the educational material is to provide the targeted audience information about stormwater and how their actions may impact it. The permit requires 2 messages for each audience during the five year permit term.
2. **Public Participation –** Municipalities are required to at least annually provide an opportunity for the public to participate in the development/implementation of their Stormwater Management Program (SWMP). Notices must comply with state public notice requirements.
3. **Illicit Discharge Detection and Elimination –** Municipalities are required to find and eliminate sources of non-stormwater from their storm sewer system. The permit requires a proactive rather than a reactive approach. Municipalities are expected to systematically look in their system for non-stormwater sources and remove them. Part of this requirement includes development of system wide storm sewer system map.
4. **Management of Construction Site Runoff –** Municipalities are required to have an ordinance from management of stormwater discharges from construction sites that disturb one or more acres of land. Their ordinance should include requirements for projects to implement sediment and erosion control practices as well as requirements for site plan review.
5. **Management of Post Construction Site Runoff (New Development and Redevelopment) –** Municipalities are required to address stormwater runoff from new development and redevelopment that disturb one or more acres of land. The goal of this measure is to try to management stormwater where it falls and retain it on site. This control measure encourages the use of low impact design techniques and requires the retention or treatment of runoff on site using green infrastructure practices.
6. **Good Housekeeping in Municipal Operations –** Municipalities are required to implement good housekeeping practices in municipal operations such as vehicle maintenance, open space, buildings and infrastructure. The permit requires at least annual street sweeping and optimization of catch basin cleaning. Development of pollution prevention plans are required at waste management facilities and maintenance garages not already regulated by another NPDES<sup>3</sup> permit.

Additional Permitting information available at:

[http://www3.epa.gov/region1/npdes/stormwater/MS4\\_MA.html](http://www3.epa.gov/region1/npdes/stormwater/MS4_MA.html)

<sup>1</sup>Specific requirements are contained in the final permit available at the website above.

<sup>2</sup>MS4 means Municipal Separate Storm Sewer System

<sup>3</sup>NPDES means National Pollutant Discharge Elimination System



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

Project Number:	2025-411-01
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 separate storm sewer system (MS-4) is a publicly-owned conveyance or system of conveyances designed and used for collecting or conveying stormwater. We are currently in the year 4 of the General Permit process and requirements continue to increase. This increase in mandated requirements will require increased involvement from Consultants and subconsultants to perform various tasks in the field including monitoring, testing and reporting. As the permit progresses, physical improvements to existing stormwater systems will be required.*

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**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$100,000			\$100,000			<input checked="" type="checkbox"/> Tax Levy
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Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$100,000	\$0	\$0	\$100,000	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$100,000	\$0	\$0	\$100,000	\$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					





## MS4 General Permit Permit Year 4 & 5 Budget Items September 24, 2021

---

### PERMIT YEAR 4

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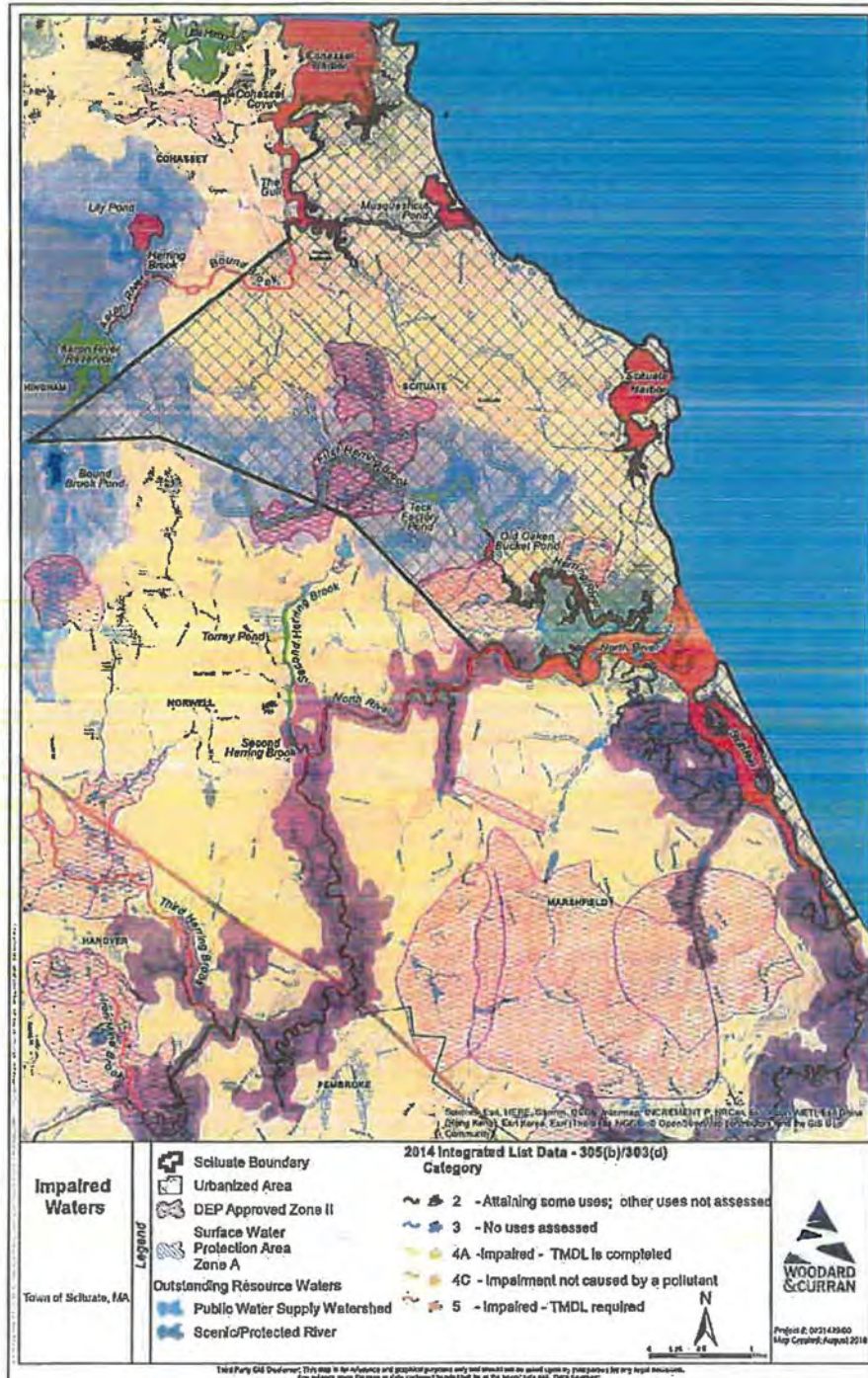
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- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
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Figure 1-2: Scituate's Impaired Waters (2014)





# Stormwater Management

## Summary<sup>1</sup> of the Six Minimum Control Measures for Small MS4<sup>2</sup>

U.S. EPA & MASSDEP | STORMWATER OUTREACH IN MASSACHUSETTS

1. Public Education and Outreach- Municipalities are required to provide educational material about stormwater to four audiences (residents, industry, commercial, and construction). The purpose of the educational material is to provide the targeted audience information about stormwater and how their actions may impact it. The permit requires 2 messages for each audience during the five year permit term.
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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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 [ X ]    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. We are currently in the year 4 of the General Permit process and requirements continue to increase. This increase in mandated requirements will require increased involvement from Consultants and subconsultants to perform various tasks in the field including monitoring, testing and reporting. As the permit progresses, physical improvements to existing stormwater systems will be required.*

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**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
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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					



## MS4 General Permit Permit Year 4 & 5 Budget Items September 24, 2021

### PERMIT YEAR 4

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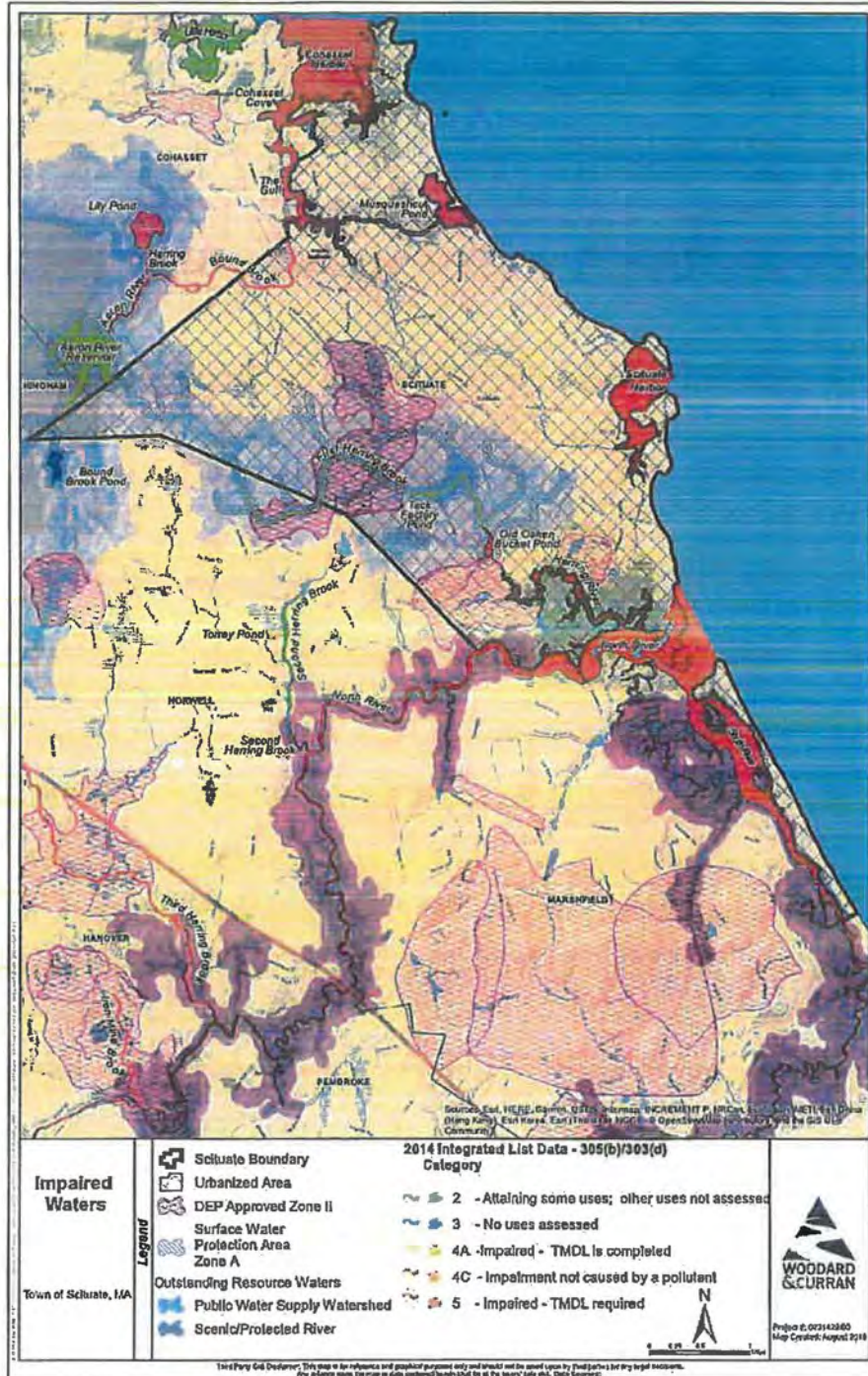
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# Stormwater Management

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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2027-411-01
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 [ ]

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**Description:**

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Equipment/Furnishings	\$0						<input type="checkbox"/> CPA
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Other	\$0						
<b>TOTAL</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	

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

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

Open Space  
 Recreation  
 Historical  
 Housing

**Operating Budget Impact**

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



## MS4 General Permit Permit Year 4 & 5 Budget Items September 24, 2021

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### PERMIT YEAR 4

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• Stormwater Bylaw/Regulations Revisions	\$14,000
• Code Audit to Identify Barriers to Green Design	\$16,000
• Retrofit Inventory of Town-Owned Property	\$22,500
• SCM Tracking for Phosphorus Reduction	\$5,000
• Phosphorus Source Identification Report	\$6,400
• Permit Year 3 Annual Report Support	\$1,000
<b>TOTAL Permit Year 4 Budget:</b>	<b>\$138,400</b>

### PERMIT YEAR 5

• Year 1 Catchment Investigations and Mapping Updates (spread out over 6 years)	\$156,000
• Annual SWPPP Training	\$8,000
• Continued SCM Tracking for Phosphorus Reduction	\$5,000
• SWMP and System Mapping Updates/Support	\$10,000
• Permit Year 4 Annual Report Support	\$2,500
<b>TOTAL ESTIMATED Permit Year 5 Budget:</b>	<b>\$181,500</b>

--

### Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

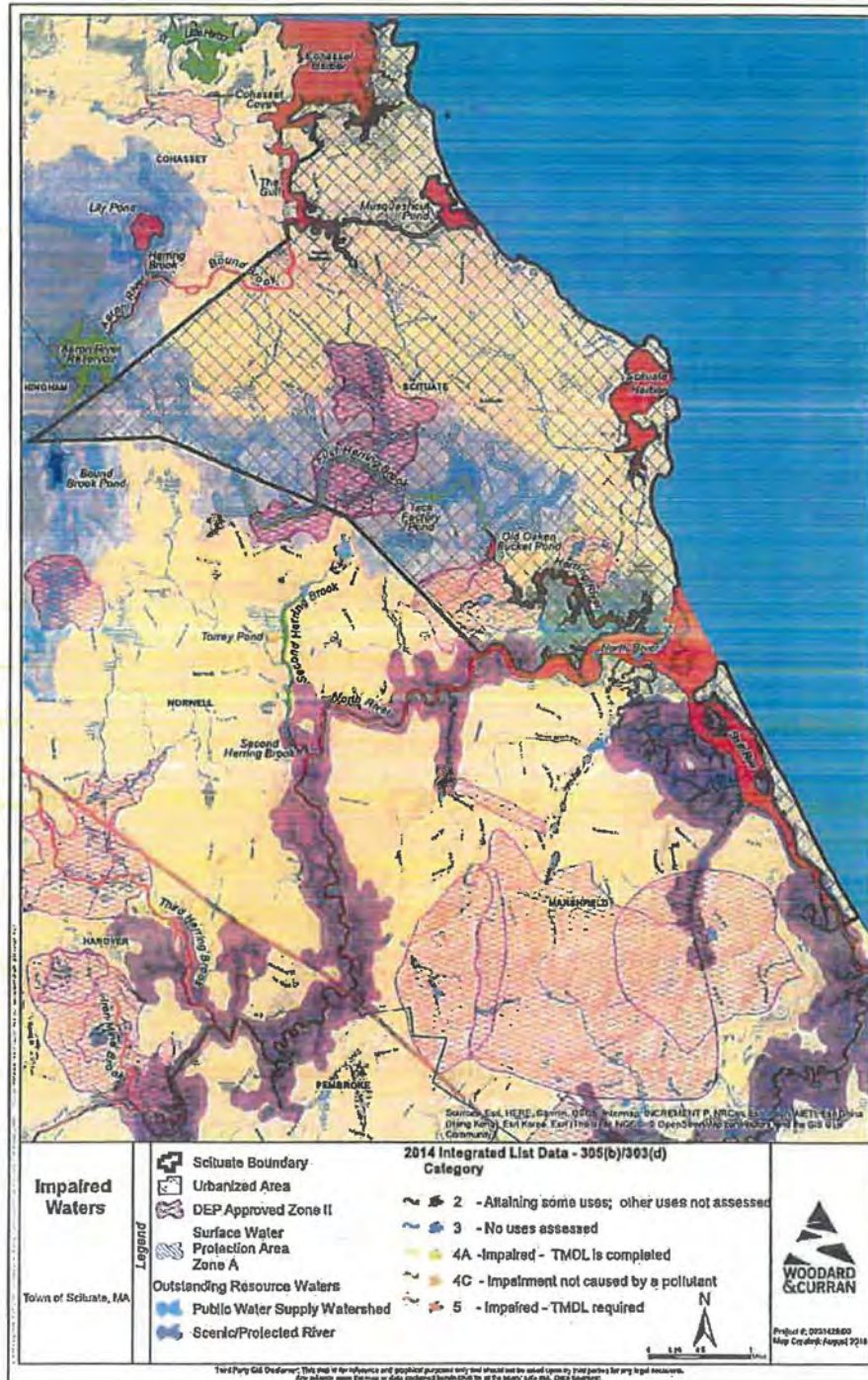
### Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements





Figure 1-2: Scituate's Impaired Waters (2014)







# Stormwater Management

## Summary<sup>1</sup> of the Six Minimum Control Measures for Small MS4<sup>2</sup>

U.S. EPA & MASSDEP | STORMWATER OUTREACH IN MASSACHUSETTS

1. Public Education and Outreach- Municipalities are required to provide educational material about stormwater to four audiences (residents, industry, commercial, and construction). The purpose of the educational material is to provide the targeted audience information about stormwater and how their actions may impact it. The permit requires 2 messages for each audience during the five year permit term.
2. Public Participation – Municipalities are required to at least annually provide an opportunity for the public to participate in the development/implementation of their Stormwater Management Program (SWMP). Notices must comply with state public notice requirements.
3. Illicit Discharge Detection and Elimination – Municipalities are required to find and eliminate sources of non-stormwater from their storm sewer system. The permit requires a proactive rather than a reactive approach. Municipalities are expected to systematically look in their system for non-stormwater sources and remove them. Part of this requirement includes development of system wide storm sewer system map.
4. Management of Construction Site Runoff – Municipalities are required to have an ordinance from management of stormwater discharges from construction sites that disturb one or more acres of land. Their ordinance should include requirements for projects to implement sediment and erosion control practices as well as requirements for site plan review.
5. Management of Post Construction Site Runoff (New Development and Redevelopment) – Municipalities are required to address stormwater runoff from new development and redevelopment that disturb one or more acres of land. The goal of this measure is to try to management stormwater where it falls and retain it on site. This control measure encourages the use of low impact design techniques and requires the retention or treatment of runoff on site using green infrastructure practices.
6. Good Housekeeping in Municipal Operations – Municipalities are required to implement good housekeeping practices in municipal operations such as vehicle maintenance, open space, buildings and infrastructure. The permit requires at least annual street sweeping and optimization of catch basin cleaning. Development of pollution prevention plans are required at waste management facilities and maintenance garages not already regulated by another NPDES<sup>3</sup> permit.

Additional Permitting information available at:

[http://www3.epa.gov/region1/npdes/stormwater/MS4\\_MA.html](http://www3.epa.gov/region1/npdes/stormwater/MS4_MA.html)

<sup>1</sup>Specific requirements are contained in the final permit available at the website above.

<sup>2</sup>MS4 means Municipal Separate Storm Sewer System

<sup>3</sup>NPDES means National Pollutant Discharge Elimination System

Capital Plan - FY 2023-2027

Sorted by Department, Year & Project Number

Score	Project	Project #	Department	Year	Fund	Request	Comment
58	Foreshore Protection	2023-411-01	DPW - Foreshore Protection	2023	GF	\$ 200,000	
62	Foreshore Repairs - Seawall Turner Rd/Oceanside	2023-411-02	DPW - Foreshore Protection	2023	GF	\$ 16,000,000	Seeking EoEEA Funding
56	Foreshore Repairs - FEMA - 1st Cliff	2023-411-03A	DPW - Foreshore Protection	2023	GF	\$ 2,540,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - 2nd Cliff	2023-411-03B	DPW - Foreshore Protection	2023	GF	\$ 2,860,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - 3rd Cliff	2023-411-03C	DPW - Foreshore Protection	2023	GF	\$ 10,000,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Minot	2023-411-03D	DPW - Foreshore Protection	2023	GF	\$ 2,870,000	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Glades (PW361/PW821/PW1171)	2023-411-03E	DPW - Foreshore Protection	2023	GF	\$ 2,896,588	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Seaside (PW379)	2023-411-03F	DPW - Foreshore Protection	2023	GF	\$ 485,755	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Surfside (PW1171/383)	2023-411-03G	DPW - Foreshore Protection	2023	GF	\$ 654,052	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Cole Pkwy (PW357)	2023-411-03H	DPW - Foreshore Protection	2023	GF	\$ 267,930	FEMA subsidized 75%
56	Foreshore Repairs - FEMA - Oceanside Outfall (PW366)	2023-411-03I	DPW - Foreshore Protection	2023	GF	\$ 196,215	FEMA subsidized 75%
56	Harbor Resiliency Design & Engineering	2023-411-04	DPW - Foreshore Protection	2023	GF	\$ 400,000	Seeking HMGP Funding
66	Seawall Replacement - Cedar Point ACoE project	2023-411-05	DPW - Foreshore Protection	2024	GF	\$ 17,179,247	ACoE subsidized 65% to \$10M
58	Foreshore Protection	2024-411-01	DPW - Foreshore Protection	2024	GF	\$ 200,000	
58	Foreshore Protection	2025-411-01	DPW - Foreshore Protection	2025	GF	\$ 200,000	
58	Foreshore Protection	2026-411-01	DPW - Foreshore Protection	2026	GF	\$ 200,000	
58	Foreshore Protection	2027-411-01	DPW - Foreshore Protection	2027	GF	\$ 200,000	
<b>Total FY2023-2027</b>						<b>\$ 57,349,787</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1123920	589000	20N5	ATHLETIC FIELDS	33,560.89
1411916	589000	16A4E	Foreshore Protection	37,983.96
1411917	589000	17A3H	Cudworth Cemetery Ph 2	814.15
1411917	589000	17A3F	Foreshore Protection	4,843.50
1411917	589000	17A3A	Road & Sidewalk Impvmnts	186,234.59
1411920	589000	20A3C	FORESHORE PROTECTION	189,781.38
1411921	589000	21A3A	FORESHORE PROTECTION	198,814.52
1422919	589000	19A3A	ROADS & SIDEWALKS	218,171.35
1422920	589000	20A3G	ROADS & SIDEWALKS	196,417.19
1422921	589000	21A3D	ROAD & SIDEWALK IMPS	197,250.00
1422921	589000	21A3F	STREET SWEEPER	1,946.94
1429915	589000	15A3G	Cudworth Cemetery	401.51
1429918	589000	18A3J	Expand Cudworth Cemetery #3	7,805.09
1429919	589000	19A3B	CUDWORTH CEMETERY	25,000.00
1429920	589000	20A3D	1985 JOHN DEERE TRACTOR REPL	1,338.38
1429920	589000	20A3E	TRUCK 2-5 REPLACEMENT	2,015.00
<b>General Fund Total</b>				<b>1,302,378.45</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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 [ ]    Phase - Final

**Description:**

*The Town of Scituate continues to contract with coastal consultants to prepare construction and bidding documents to repair or maintain coastal structures throughout Town. Assistance with grant applications and the preparation and FEMA support continue.*

**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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$200,000	\$200,000					<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
TOTAL	\$200,000	\$200,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPA Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Net of CPA and Grants	\$200,000	\$200,000	\$0	\$0	\$0	\$0

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-02
Project Title:	Seawall Replacement - Oceanside
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [x ]    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, the Town may receive a combination of grant and low interest loans.

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

Town already appropriated funds for design and engineering. This project is proposed to be done in three phases.

**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...).

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027		
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt	
Construction	\$16,000,000	\$5,000,000	\$5,000,000	\$6,000,000			<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>\$16,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA	
							<input checked="" type="checkbox"/> Grant(s) or Other MA SRF	

Grant Amount Req-FEMA PA	\$0	\$0						
CPA Amount Requested	\$0							
<b>Net of CPA and Grants</b>	<b>\$16,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>		

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

Open Space

Recreation

Historical

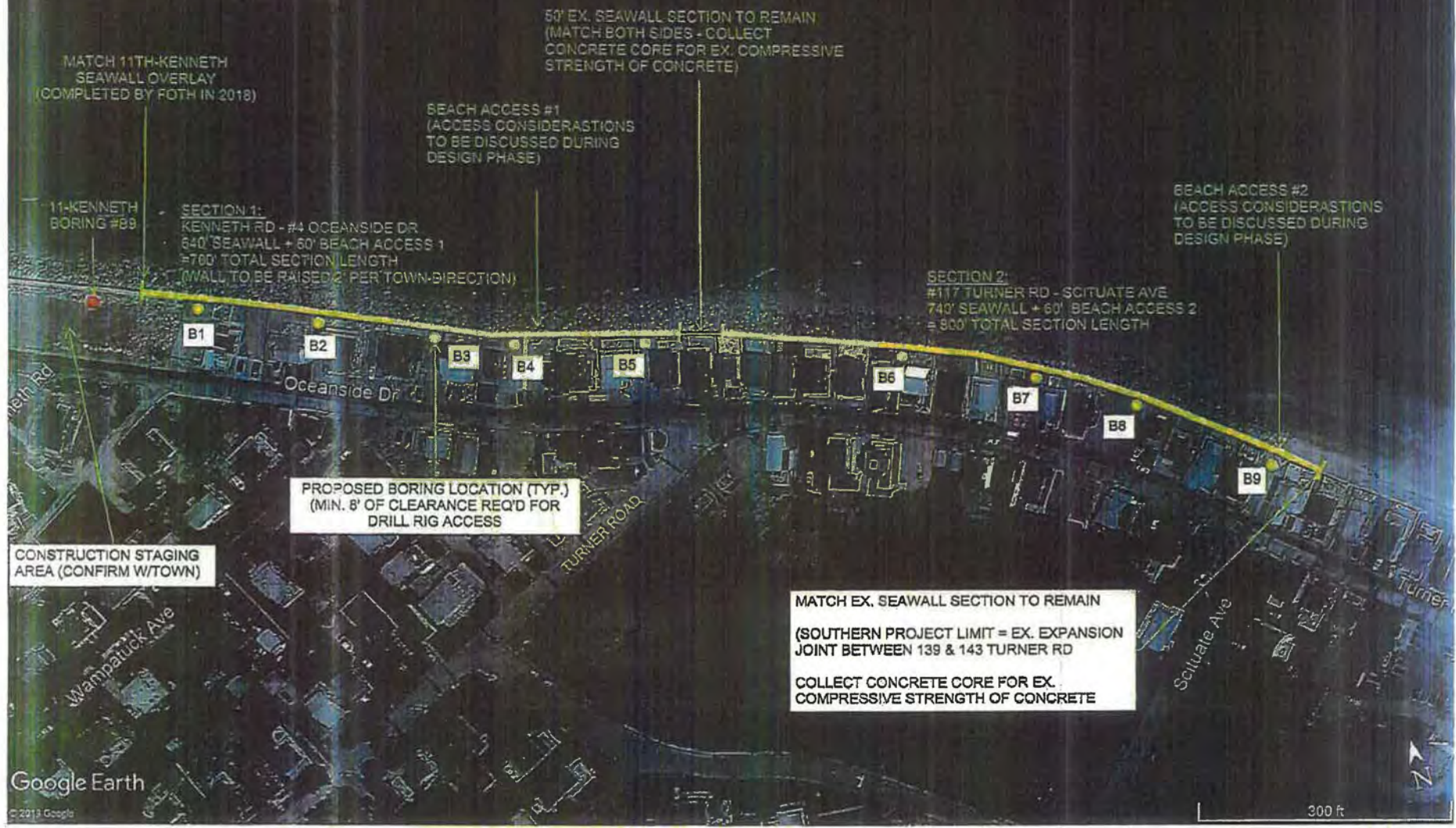
Housing

**Operating Budget Impact**

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

# Kenneth to Scituate Seawall

Project Location





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03A
Project Title:	Foreshore Repairs 1st Cliff FEMA PW835/PW1171/PW358
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

FEMA subsidized foreshore repairs from damages sustained in 2013 Storm Nemo (PW835), 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW358).

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

*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027		
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt	
Construction	\$2,540,000	\$2,540,000					<input type="checkbox"/> Enterprise Retained Earnings	
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash	
Other	\$0						<input type="checkbox"/> Revolving Fund	
TOTAL	\$2,540,000	\$2,540,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA	
							<input checked="" type="checkbox"/> Grant(s) or Other FEMA PA	

Grant Amount Req-FEMA PA	\$1,905,000	\$1,905,000				
CPA Amount Requested	\$0					
Net of CPA and Grants	\$635,000	\$635,000	\$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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	• PW-00835(0) [DR-4110-MA [NEMO]	\$262,360.45	\$2,540,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,019,409.00	
	• PW-00358(0) [DR-4372-MA [RILEY]	\$458,182.00	
Second Cliff Revetment	• PW-00824(0) [DR-4110-MA [NEMO]	\$305,910.45	\$2,860,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$98,470.00	
	• PW-00372(0) [DR-4372-MA [RILEY]	\$188,857.00	
Third Cliff Revetment	• PW-00301(0) [DR-4097-MA [NEMO]	\$2,241,135.10	\$10,000,000.00
	• PW-00834(0) [DR-4110-MA [NEMO]	\$1,838,165.10	
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,251,020.00	
	• PW-00363(0) [DR-4372-MA [RILEY]	\$450,367.00	
Minot Beach Revetment, Seawall	• PW-00820(0) [DR-4110-MA [NEMO]	\$254,540.45	\$2,870,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$239,855.00	
	• PW-00384(0) [DR-4372-MA [RILEY]	\$181,184.00	
Glades Beach	• PW-00821(0) [DR-4110-MA [NEMO]	\$274,980.45	\$2,896,587.84
	• PW-1171(1) [DR-4214-MA [JUNO]	\$446,954.39	
	• PW-00361(0) [DR-4372-MA [RILEY]	\$112,743.25	
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**





## TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

### Capital Improvement Program: FY2023 - FY2027

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

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

Project Number:	2023-411-03B
Project Title:	Foreshore Repairs 2nd Cliff FEMA PW824/PW1171/PW372
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

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

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

**Description:**  
 FEMA subsidized foreshore repairs from damages sustained in 2013 Storm Nemo (PW824), 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW372).

**Benefits of Project and Impact if Not Completed:**  
 Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.

**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...).

### Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,860,000	\$2,860,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$2,860,000	\$2,860,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA <input checked="" type="checkbox"/> Grant(s) or Other __FEMA PA__

								CPA Purpose(s) Check all that apply
Grant Amount Req-FEMA PA	\$2,145,000	\$2,145,000						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0							<input type="checkbox"/> Recreation
Net of CPA and Grants	\$715,000	\$715,000	\$0	\$0	\$0	\$0	\$0	<input type="checkbox"/> Historical
<b>Operating Budget Impact</b>								
During Project	\$0							<input type="checkbox"/> Housing
Post-Project Annual								
Post-Project One-time	\$0							

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00835(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00358(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$262,360.45</p> <p>\$1,019,409.00</p> <p>\$458,182.00</p>	\$2,540,000.00
Second Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00824(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00372(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$305,910.45</p> <p>\$98,470.00</p> <p>\$188,857.00</p>	\$2,860,000.00
Third Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00301(0) [DR-4097-MA [NEMO]</li> <li>• PW-00834(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00363(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$2,241,135.10</p> <p>\$1,838,165.10</p> <p>\$1,251,020.00</p> <p>\$450,367.00</p>	\$10,000,000.00
Minot Beach Revetment, Seawall	<ul style="list-style-type: none"> <li>• PW-00820(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00384(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$254,540.45</p> <p>\$239,855.00</p> <p>\$181,184.00</p>	\$2,870,000.00
Glades Beach	<ul style="list-style-type: none"> <li>• PW-00821(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00361(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$274,980.45</p> <p>\$446,954.39</p> <p>\$112,743.25</p>	\$2,896,587.84
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

Project Number:	2024-411-02C
Project Title:	Foreshore Repairs 3rd Cliff FEMA PW301/PW834/PW1171/PW363
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]      Phase - Final

**Description:**  
 FEMA subsidized foreshore repairs from damages sustained in 2012 Storm Sandy (PW301), 2013 Storm Nemo (PW834), 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW363).

**Benefits of Project and Impact if Not Completed:**  
*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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 (all changes, filters, fuel, maintenance contracts etc...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$12,800,000		\$12,800,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$12,800,000</b>	<b>\$0</b>	<b>\$12,800,000</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 \_\_\_ FEMA PA

Grant Amount Req-FEMA PA	\$0	\$0				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$12,800,000</b>	<b>\$0</b>	<b>\$12,800,000</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					

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	• PW-00835(0) [DR-4110-MA [NEMO]	\$262,360.45	\$2,540,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,019,409.00	
	• PW-00358(0) [DR-4372-MA [RILEY]	\$458,182.00	
Second Cliff Revetment	• PW-00824(0) [DR-4110-MA [NEMO]	\$305,910.45	\$2,860,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$98,470.00	
	• PW-00372(0) [DR-4372-MA [RILEY]	\$188,857.00	
Third Cliff Revetment	• PW-00301(0) [DR-4097-MA [NEMO]	\$2,241,135.10	\$10,000,000.00
	• PW-00834(0) [DR-4110-MA [NEMO]	\$1,838,165.10	
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,251,020.00	
	• PW-00363(0) [DR-4372-MA [RILEY]	\$450,367.00	
Minot Beach Revetment, Seawall	• PW-00820(0) [DR-4110-MA [NEMO]	\$254,540.45	\$2,870,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$239,855.00	
	• PW-00384(0) [DR-4372-MA [RILEY]	\$181,184.00	
Glades Beach	• PW-00821(0) [DR-4110-MA [NEMO]	\$274,980.45	\$2,896,587.84
	• PW-1171(1) [DR-4214-MA [JUNO]	\$446,954.39	
	• PW-00361(0) [DR-4372-MA [RILEY]	\$112,743.25	
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03D
Project Title:	Foreshore Repairs Minot FEMA PW820/PW1171/PW384
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

FEMA subsidized foreshore repairs from damages sustained in 2013 Storm Nemo (PW820), 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW384).

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

*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,870,000	\$2,870,000					<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>\$2,870,000</b>	<b>\$2,870,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other FEMA PA

Grant Amount Req-FEMA PA	\$2,152,500	\$2,152,500					
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$717,500</b>	<b>\$717,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00835(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00358(0) [DR-4372-MA [RILEY]</li> </ul>	\$262,360.45 \$1,019,409.00 \$458,182.00	\$2,540,000.00
Second Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00824(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00372(0) [DR-4372-MA [RILEY]</li> </ul>	\$305,910.45 \$98,470.00 \$188,857.00	\$2,860,000.00
Third Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00301(0) [DR-4097-MA [NEMO]</li> <li>• PW-00834(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00363(0) [DR-4372-MA [RILEY]</li> </ul>	\$2,241,135.10 \$1,838,165.10 \$1,251,020.00 \$450,367.00	\$10,000,000.00
Minot Beach Revetment, Seawall	<ul style="list-style-type: none"> <li>• PW-00820(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00384(0) [DR-4372-MA [RILEY]</li> </ul>	\$254,540.45 \$239,855.00 \$181,184.00	\$2,870,000.00
Glades Beach	<ul style="list-style-type: none"> <li>• PW-00821(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00361(0) [DR-4372-MA [RILEY]</li> </ul>	\$274,980.45 \$446,954.39 \$112,743.25	\$2,896,587.84
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03E
Project Title:	Foreshore Repairs Glades FEMA PW361/PW1171/PW821
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

FEMA subsidized foreshore repairs from damages sustained in 2013 Storm Nemo (PW821) 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW361).

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

*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$2,896,588	\$2,896,588				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$2,896,588</b>	<b>\$2,896,588</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 FEMA PA

Grant Amount Req-FEMA PA	\$2,172,441	\$2,172,441				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$724,147</b>	<b>\$724,147</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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	• PW-00835(0) [DR-4110-MA [NEMO]	\$262,360.45	\$2,540,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,019,409.00	
	• PW-00358(0) [DR-4372-MA [RILEY]	\$458,182.00	
Second Cliff Revetment	• PW-00824(0) [DR-4110-MA [NEMO]	\$305,910.45	\$2,860,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$98,470.00	
	• PW-00372(0) [DR-4372-MA [RILEY]	\$188,857.00	
Third Cliff Revetment	• PW-00301(0) [DR-4097-MA [NEMO]	\$2,241,135.10	\$10,000,000.00
	• PW-00834(0) [DR-4110-MA [NEMO]	\$1,838,165.10	
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,251,020.00	
	• PW-00363(0) [DR-4372-MA [RILEY]	\$450,367.00	
Minot Beach Revetment, Seawall	• PW-00820(0) [DR-4110-MA [NEMO]	\$254,540.45	\$2,870,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$239,855.00	
	• PW-00384(0) [DR-4372-MA [RILEY]	\$181,184.00	
Glades Beach	• PW-00821(0) [DR-4110-MA [NEMO]	\$274,980.45	\$2,896,587.84
	• PW-1171(1) [DR-4214-MA [JUNO]	\$446,954.39	
	• PW-00361(0) [DR-4372-MA [RILEY]	\$112,743.25	
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03F		
Project Title:	Foreshore Repairs Seaside FEMA PW379		
Category:	Construction		
Department: DPW Foreshore	Contact:	Sean McCarthy, Engineering Supervisor	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

FEMA subsidized foreshore repairs from damages sustained in 2018 Storm Riley (PW379).

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

*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<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	\$485,755	\$485,755					<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 ___ FEMA PA ___	
<b>TOTAL</b>	<b>\$485,755</b>	<b>\$485,755</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

		CPA Purpose(s) Check all that apply				
Grant Amount Req-FEMA PA	\$364,316	\$364,316				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$121,439</b>	<b>\$121,439</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Operating Budget Impact**

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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00835(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00358(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$262,360.45</p> <p>\$1,019,409.00</p> <p>\$458,182.00</p>	\$2,540,000.00
Second Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00824(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00372(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$305,910.45</p> <p>\$98,470.00</p> <p>\$188,857.00</p>	\$2,860,000.00
Third Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00301(0) [DR-4097-MA [NEMO]</li> <li>• PW-00834(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00363(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$2,241,135.10</p> <p>\$1,838,165.10</p> <p>\$1,251,020.00</p> <p>\$450,367.00</p>	\$10,000,000.00
Minot Beach Revetment, Seawall	<ul style="list-style-type: none"> <li>• PW-00820(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00384(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$254,540.45</p> <p>\$239,855.00</p> <p>\$181,184.00</p>	\$2,870,000.00
Glades Beach	<ul style="list-style-type: none"> <li>• PW-00821(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00361(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$274,980.45</p> <p>\$446,954.39</p> <p>\$112,743.25</p>	\$2,896,587.84
		<p>\$9,624,133.64</p>	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03G
Project Title:	Foreshore Repairs Surfside FEMA PW1171/PW383
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

FEMA subsidized foreshore repairs from damages sustained in 2015 Storm Juno (PW1171) and 2018 Storm Riley (PW379).

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

*Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<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	\$654,052	\$654,052					<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 FEMA PA	
<b>TOTAL</b>	<b>\$654,052</b>	<b>\$654,052</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

								CPA Purpose(s) Check all that apply
Grant Amount Req-FEMA PA	\$490,539	\$490,539						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0							<input type="checkbox"/> Recreation
<b>Net of CPA and Grants</b>	<b>\$163,513</b>	<b>\$163,513</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> Historical
								<input type="checkbox"/> Housing

**Operating Budget Impact**

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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	• PW-00835(0) [DR-4110-MA [NEMO]	\$262,360.45	\$2,540,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,019,409.00	
	• PW-00358(0) [DR-4372-MA [RILEY]	\$458,182.00	
Second Cliff Revetment	• PW-00824(0) [DR-4110-MA [NEMO]	\$305,910.45	\$2,860,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$98,470.00	
	• PW-00372(0) [DR-4372-MA [RILEY]	\$188,857.00	
Third Cliff Revetment	• PW-00301(0) [DR-4097-MA [NEMO]	\$2,241,135.10	\$10,000,000.00
	• PW-00834(0) [DR-4110-MA [NEMO]	\$1,838,165.10	
	• PW-1171(1) [DR-4214-MA [JUNO]	\$1,251,020.00	
	• PW-00363(0) [DR-4372-MA [RILEY]	\$450,367.00	
Minot Beach Revetment, Seawall	• PW-00820(0) [DR-4110-MA [NEMO]	\$254,540.45	\$2,870,000.00
	• PW-1171(1) [DR-4214-MA [JUNO]	\$239,855.00	
	• PW-00384(0) [DR-4372-MA [RILEY]	\$181,184.00	
Glades Beach	• PW-00821(0) [DR-4110-MA [NEMO]	\$274,980.45	\$2,896,587.84
	• PW-1171(1) [DR-4214-MA [JUNO]	\$446,954.39	
	• PW-00361(0) [DR-4372-MA [RILEY]	\$112,743.25	
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



### TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-03H		
Project Title:	Foreshore Repairs Cole Parkway FEMA PW357		
Category:	Construction		
Department: DPW Foreshore	Contact:	Sean McCarthy, Engineering Supervisor	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                      Multiyear [ ]      Phase - Final

**Description:**  
FEMA subsidized foreshore repairs from damages sustained in 2018 Storm Riley (PW357).

**Benefits of Project and Impact if Not Completed:**  
Town already appropriated funds for design and engineering. FEMA will not continue to obligate the funds (75%) unless the Town does the work in the most recently submitted time extension request.

**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...).

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$267,930	\$267,930				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$267,930</b>	<b>\$267,930</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 \_\_ FEMA PA \_\_

Grant Amount Req-FEMA PA	\$200,948	\$200,948				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$66,983</b>	<b>\$66,983</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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00835(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00358(0) [DR-4372-MA [RILEY]</li> </ul>	\$262,360.45 \$1,019,409.00 \$458,182.00	\$2,540,000.00
Second Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00824(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00372(0) [DR-4372-MA [RILEY]</li> </ul>	\$305,910.45 \$98,470.00 \$188,857.00	\$2,860,000.00
Third Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00301(0) [DR-4097-MA [NEMO]</li> <li>• PW-00834(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00363(0) [DR-4372-MA [RILEY]</li> </ul>	\$2,241,135.10 \$1,838,165.10 \$1,251,020.00 \$450,367.00	\$10,000,000.00
Minot Beach Revetment, Seawall	<ul style="list-style-type: none"> <li>• PW-00820(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00384(0) [DR-4372-MA [RILEY]</li> </ul>	\$254,540.45 \$239,855.00 \$181,184.00	\$2,870,000.00
Glades Beach	<ul style="list-style-type: none"> <li>• PW-00821(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00361(0) [DR-4372-MA [RILEY]</li> </ul>	\$274,980.45 \$446,954.39 \$112,743.25	\$2,896,587.84
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-031
Project Title:	Foreshore Repairs Oceanside Outfall FEMA PW366
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [x ]    Phase - Final

**Description:**  
FEMA subsidized foreshore repairs from damages sustained in 2018 Storm Riley (PW366).

**Benefits of Project and impact if Not Completed:**  
*Town already appropriated funds for design and engineering. This project is proposed to be done in three phases.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$196,215	\$196,215				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$196,215</b>	<b>\$196,215</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 \_\_MA SRF\_\_

Grant Amount Req-FEMA PA	\$0	\$0				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$196,215</b>	<b>\$196,215</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

## FEMA Foreshore Repairs

Storm Sandy-2012, Storm Nemo-2013, Storm Juno-2015, Storm Riley-2018

Location	Associated PW [Storm Event]	Obligated Amount	Engineer's Estimate
First Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00835(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00358(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$262,360.45</p> <p>\$1,019,409.00</p> <p>\$458,182.00</p>	\$2,540,000.00
Second Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00824(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00372(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$305,910.45</p> <p>\$98,470.00</p> <p>\$188,857.00</p>	\$2,860,000.00
Third Cliff Revetment	<ul style="list-style-type: none"> <li>• PW-00301(0) [DR-4097-MA [NEMO]</li> <li>• PW-00834(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00363(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$2,241,135.10</p> <p>\$1,838,165.10</p> <p>\$1,251,020.00</p> <p>\$450,367.00</p>	\$10,000,000.00
Minot Beach Revetment, Seawall	<ul style="list-style-type: none"> <li>• PW-00820(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00384(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$254,540.45</p> <p>\$239,855.00</p> <p>\$181,184.00</p>	\$2,870,000.00
Glades Beach	<ul style="list-style-type: none"> <li>• PW-00821(0) [DR-4110-MA [NEMO]</li> <li>• PW-1171(1) [DR-4214-MA [JUNO]</li> <li>• PW-00361(0) [DR-4372-MA [RILEY]</li> </ul>	<p>\$274,980.45</p> <p>\$446,954.39</p> <p>\$112,743.25</p>	\$2,896,587.84
		\$9,624,133.64	\$21,166,587.84

Prepared by Town's FEMA Consultant, Tetra-Tech 10/22/2021

**Town 25% share of \$21,155,588 is \$5,288,897.**





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-05
Project Title:	Foreshore Protection - Cedar Point Area
Category:	Construction
Department: DPW Foreshore	Contact: Sean McCarthy, Engineering Supervisor

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [x]    Phase - Final

**Description:**

The Army Corps of Engineers (ACoE) has completed 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. The recommended plan is estimated to cost \$17,179,247 and may qualify for a \$10M grant program that provides a 65% match.

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

*Town already appropriated funds for design and engineering to the ACoE.*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<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	\$17,179,247	\$17,179,247					<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 ACoE	
<b>TOTAL</b>	<b>\$17,179,247</b>	<b>\$17,179,247</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Grant Amount Req-ACoE	\$10,000,000	\$10,000,000					
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$7,179,247</b>	<b>\$7,179,247</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						

# TENTATIVELY SELECTED PLAN – COST ALLOCATION TABLE

Federal and non-Federal Cost Share Apportionment Table	
	Total Project Costs
<b>Feasibility Study Costs</b>	<b>\$490,000</b>
FED Share	\$295,000
Non-FED	\$195,000
<b>Design &amp; Implementation Costs</b>	<b>16,689,247</b>
Design Analyses, Plans & Specs	\$1,478,668
Construction Management	\$781,058
LERRDs <sup>2</sup>	\$1,660,885
FED Share	\$9,705,000
Non-FED Share	\$6,984,247
Non-FED Cash	\$5,323,362
Non-FED LERRD credit	\$1,660,885
<b>TOTAL PROJECT COST<sup>1</sup></b>	<b>\$17,179,247</b>
<b>FED Share</b>	<b>\$10,000,000</b>
<b>Non-FED</b>	<b>\$7,179,247</b>
<i>Note: Costs are based on Total Project Cost Fully Funded Estimate from TPCS</i>	
1 Total Project Costs do not include operations and maintenance costs.	
2 LERRDs are a 100% non-Federal responsibility for which the sponsor gets cost sharing credit.	



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-411-06
Project Title:	Harbor Resiliency Plan
Category:	Design
Department: DPW Foreshore	Contact: Kyle Boyd/Sean McCarthy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [x]    Phase - Final

**Description:**  
Design and engineering for harbor resiliency.

**Benefits of Project and Impact if Not Completed:**  
Identified by the Master Plan as a major area of concern. Grant funding will also be sought under the hazard mitigation grant program.

**Discuss Operating Budget Impact:**  
Design and engineering of strategies to address resiliency options on the harbor area to be brought forward as future capital projects.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$400,000	\$400,000					<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 checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$400,000	\$400,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other __HMGP__

Grant Amount Req-ACoE	\$0	\$0				
CPA Amount Requested	\$0					
Net of CPA and Grants	\$400,000	\$400,000	\$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: FY2023 - FY2027**

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 [ ]    Phase - Final

**Description:**

The Town of Scituate continues to contract with coastal consultants to prepare construction and bidding documents to repair or maintain coastal structures throughout Town. Assistance with grant applications and the preparation and FEMA support continue.

**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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$200,000		\$200,000				<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
TOTAL	\$200,000	\$0	\$200,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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 [ ]      Phase - Final

**Description:**

*The Town of Scituate continues to contract with coastal consultants to prepare construction and bidding documents to repair or maintain coastal structures throughout Town. Assistance with grant applications and the preparation and FEMA support continue.*

**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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$200,000			\$200,000		
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

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

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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 prepare construction and bidding documents to repair or maintain coastal structures throughout Town. Assistance with grant applications and the preparation and FEMA support continue.*

**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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$200,000				\$200,000		<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
TOTAL	\$200,000	\$0	\$0	\$0	\$200,000	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
Net of CPA and Grants	\$200,000	\$0	\$0	\$0	\$200,000	\$0	

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2027-411-01
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 prepare construction and bidding documents to repair or maintain coastal structures throughout Town. Assistance with grant applications and the preparation and FEMA support continue.*

**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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$200,000					\$200,000	<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
Equipment/Furnishings	\$0						<input type="checkbox"/> Revolving Fund
Contingency	\$0						<input type="checkbox"/> CPA
Other	\$0						<input type="checkbox"/> Grant(s) or Other
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</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>\$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 2023-2027**  
**Sorted by Department, Year & Project Number**

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
51	Truck 1-9, Diesel Pick-up Truck	2023-422-01	DPW - Highway	2023	GF	\$ 65,000	
44	Truck 101 Medium Duty Truck	2023-422-02	DPW - Highway	2023	GF	\$ 65,000	
42	Replace Forklift	2023-422-03	DPW - Highway	2023	GF	\$ 67,300	
60	Road & Sidewalk Improvements	2023-422-04	DPW - Highway	2023	GF	\$ 300,000	
25	Wacker Wheeled Mini Excavator	2024-422-01	DPW - Highway	2024	GF	\$ 126,500	
26	Truck 102, Medium Duty Truck	2024-422-02	DPW - Highway	2024	GF	\$ 65,000	
64	Road & Sidewalk Improvements	2024-422-03	DPW - Highway	2024	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2025-422-01	DPW - Highway	2025	GF	\$ 200,000	
68	Road & Sidewalk Improvements	2026-422-01	DPW - Highway	2026	GF	\$ 200,000	
28	Replace Truck 1-1	2027-422-01	DPW - Highway	2027	GF	\$ 65,000	
64	Road & Sidewalk Improvements	2027-422-02	DPW - Highway	2027	GF	\$ 200,000	
<b>Total FY2023-2027</b>						<b>\$ 1,553,800</b>	

\*Appearing for the first time on the plan



## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1123920	589000	20N5	ATHLETIC FIELDS	33,560.89
1411916	589000	16A4E	Foreshore Protection	37,983.96
1411917	589000	17A3H	Cudworth Cemetery Ph 2	814.15
1411917	589000	17A3F	Foreshore Protection	4,843.50
1411917	589000	17A3A	Road & Sidewalk Impvmnts	186,234.59
1411920	589000	20A3C	FORESHORE PROTECTION	189,781.38
1411921	589000	21A3A	FORESHORE PROTECTION	198,814.52
1422919	589000	19A3A	ROADS & SIDEWALKS	218,171.35
1422920	589000	20A3G	ROADS & SIDEWALKS	196,417.19
1422921	589000	21A3D	ROAD & SIDEWALK IMPS	197,250.00
1422921	589000	21A3F	STREET SWEEPER	1,946.94
1429915	589000	15A3G	Cudworth Cemetery	401.51
1429918	589000	18A3J	Expand Cudworth Cemetery #3	7,805.09
1429919	589000	19A3B	CUDWORTH CEMETERY	25,000.00
1429920	589000	20A3D	1985 JOHN DEERE TRACTOR REPL	1,338.38
1429920	589000	20A3E	TRUCK 2-5 REPLACEMENT	2,015.00
<b>General Fund Total</b>				<b>1,302,378.45</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-422-01		
Project Title:	Truck 1-9, 2022 Chevrolet K2500 Silverado 4x4 Pick Up Truck/ with liftgate		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase - Final

**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 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 any excavation or hauling operation such as drain repairs, asphalt road repairs, disposal hauling of unsuitable materials.

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

The existing 1-9 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.  
 The truck must be replaced because it cannot support the heavy duty work load in which it is used for.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000.00 to the 2023 capitol.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000	\$65,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$65,000	\$65,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other

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

<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



# Liberty Chevrolet



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

October 12, 2021

Dear Mr. Mason,

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

2022 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                      \$35,886.00

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
VYU	Factory Snow Plow Prep Package	\$ 300.00
5H1	Two Additional Keys	\$ 50.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
ZLQ	WT Fleet Convenience Package	\$ 1,400.00
GA0	Exterior Color Northsky Blue	

Additional Contract Options:

5044	Tomygate, 1300 Lbs Capacity Liftgate	\$ 4,675.00
5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5002	4' Black Tube Steps	\$ 770.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
-----	---------------------------------	-------------

Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-422-02	
Project Title:	Truck 101, 2022 Chevrolet K3500 Silverado Utility Body Pick Up Truck/ with liftgate	
Category:	Equipment - Construction	
Department:	Highway	Contact: Mike Breen

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:**

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 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 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 101 truck is used but is starting to show it's age. The cab and frame are rusted and it is coming to the end of it's life cycle.  
 The truck must be replaced because it cannot support the heavy duty work load in which it is used for.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000.00 to the 2023 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000	\$65,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$65,000	\$65,000	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

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

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 Cussing Way  
Scituate, MA 02066  
Attn.: George Mason

October 12, 2021

Dear Mr. Mason,

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

2022 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                      \$35,886.00

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Available Factory Options:

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GA0	Exterior Color Northsky Blue	

Additional Contract Options:

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5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
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5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
-----	---------------------------------	-------------

Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-422-03
Project Title:	Replace Fork Lift
Category:	Equipment
Department: Highway	Contact: Mike Breen

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

                                 Multiyear          Phase - Final

**Description:**

*New Cat 10,000 lb. Fork Lift to replace 40 year old 5,000 lb. lift which is at the end of its useful life.*

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

*This lift will be used to lift 3ton plows and sanders in order to get the fleet ready for the winter. The folk lift is used daily to manage multiple deliveries, move jersey barriers etc..*

**Discuss Operating Budget Impact:**

*The request is for \$67,300 to the 2023 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$67,300	\$67,300					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$67,300	\$67,300	\$0	\$0	\$0	\$0	<input type="checkbox"/> CPA <input type="checkbox"/> Grant(s) or Other

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPA Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Net of CPA and Grants	\$67,300	\$67,300	\$0	\$0	\$0	\$0

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



# QUOTATION



Equipment Depot, Inc.  
220 Ballardvale Street, Suite J  
Wilmington, MA 01887

PREPARED FOR	
Customer:	Town of Scituate
Address:	600 Chief Justice Cushing Highway Scituate, MA 02066
Sourcewell #11477	Contract 091520-MCF

REFERENCE	
Effective From:	Thursday, September 23, 2021
Effective To:	Saturday, October 23, 2021
Quote #:	561569 Rev#1
Account Manager:	Michael Krueger
Direct Phone:	781-779-5083
E-mail:	michael.krueger@eqdepot.com



## GP50CN1 - 10,000 lb. Capacity Gas/LP (Dual-Fuel) Pneumatic Tire Lift Truck

### HIGHLIGHTS

#### Uncompromising Performance

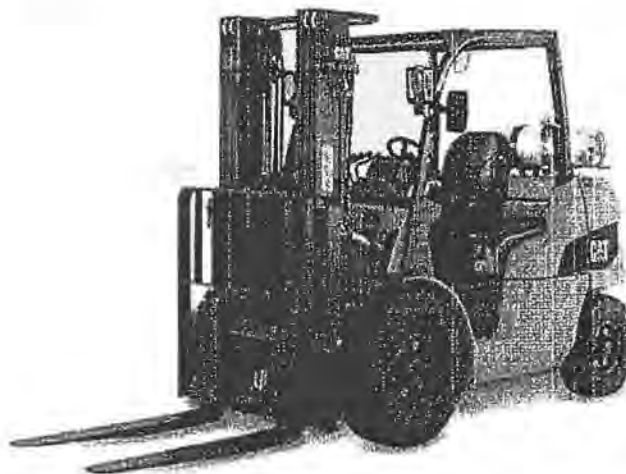
- Powerful GK45 4.5L 6 Cylinder Engine  
Maximum Torque 207 ft-lb @ 1,200 rpm  
Maximum Horsepower 97 Hp @ 2,450 rpm  
Throttle by Wire Accelerator (no cable)  
High Efficiency Aluminum Cylinder Heads  
Low vibration Dynamically Balanced
- Engine Protection System (EPS)
- Fuel saver mode reducing fuel consumption up to 14%
- Cyclone Air Filter
- High efficiency Aluminum Core Radiator
- Robust Powershift Automatic Transmission 2F/1R
- Transmission Oil Cooler
- Hydrostatic Power Steering
- Elevated Air Intake
- Maintenance Free Battery
- Premium long lasting Trelleborg Tires
- 500 Hour Service Intervals

#### Superior Operator Comfort

- Premium Full Suspension Grammer Seat
- Tilt Steering Column with Memory function
- Isolated (Rubber mounted) Key Components to reduce vibration
- Rubber floor mat
- Insulated Engine cover
- Convenience tray with clipboard holder
- Separate Brake and Inching Pedals
- Elongated Grab handle Bar
- Open Step with Anti Slip Plate
- Electronic Direction Control
- Premium tires with 3 layers construction for an extra comfortable ride

#### Added Operator Protection and Awareness

- LED work lights
- Premium LCD/LED Display





## GP50GN1 - 10,000 lb. Capacity Gas/LP (Dual Fuel) Pneumatic Tire Lift Truck

- Presence Detection System (PDS)
- Dual Action Parking Brake Handle
- Ground speed control
- Password lock
- Anti-Restart Ignition Key Switch
- Transmission Return to Neutral for Start

### KEY FEATURES & BENEFITS

<b>EXCEPTIONAL PERFORMANCE</b>	After years of expertise and leadership in material handling solutions, Cat® lift trucks engineered a game changing powertrain for exceptional performance in the toughest material handling conditions. The GK engine family is the industry's most powerful and respected industrial engine family in its class. The engines delivers outstanding performance while maintaining the highest standards of durability and reliability. With a proven track record for quality and dependability, the rugged PowerShift transmission delivers a remarkable performance optimizing engine power and response.
<b>OPERATOR COMFORT</b>	A forklift's productivity is not only measured by a strong powertrain, but also by its operator comfort and efficiency. This is why Cat® lift trucks designed an ergonomic operator compartment optimizing comfort, visibility and productivity for long and demanding shifts.
<b>PRESENCE DETECTION SYSTEM</b>	The Patented PDS system, standard on all Cat® lift trucks helps ensure that the operator is following the correct operating procedures. Once the operator leaves the seat and does not engage the park brake, the PDS will disengage the transmission and all hydraulic functions to the mast while activating an audible alarm and a flashing visual warning.
<b>ENGINE PROTECTION SYSTEM</b>	The EPS monitors the Engine Coolant Temperature, Transmission Oil Temperature and Engine Oil Pressure. The system issues a warning and cuts back on engine rpm when parameters go out of range. It also monitors the brake fluid level and warns when the level is too low. The EPS also issues periodic maintenance alerts by displaying them on the screen.
<b>PREMIUM LED/LCD DISPLAY</b>	The standard premium LED/LCD display is connected to the monitoring system alerting the operator if one of the systems is not in check. It includes a Speedometer, Hour Meter, Clock, Travel Direction, Low Fuel Indicator or Fuel Gage, Coolant Temperature, Battery Charging Status, Operator Passcode capability and other systems-related indicators & warnings.

### CONFIGURATION

<b>CHASSIS</b>	1	10,000 lb. Capacity Gas/LP (Dual Fuel) Pneumatic Tire Lift Truck
<b>MAST</b>	1	159.0" MFH / 112.0" OAL / 5.9" FFH Simplex
<b>RATINGS &amp; STANDARDS</b>	1	UL Approved
<b>RATINGS &amp; STANDARDS</b>	1	EPA Compliant
<b>FORKS</b>	1	2.0" X 6.0" X 48" Hook Type - Pallet
<b>POWERTRAIN</b>	1	GK45 4.5L In line 6 Cylinder Gas and LPG Engine
<b>POWERTRAIN</b>	1	Two Forward And One Reverse Speed Transmission
<b>CARRIAGE</b>	1	71.0" Wide Hook Type Carriage
<b>SIDESHIFTER</b>	1	RIGHTLINE CL III 71" WIDE E10H1800-36 SIDE SHIFTING FORK POSITIONER FUW SIMPLEX MAST
<b>DRIVE WHEELS / TIRES</b>	1	Solid Pneumatic Dual Drive Tires
<b>STEER WHEELS / TIRES</b>	1	Solid Pneumatic Steer Tires
<b>LOAD BACKREST</b>	1	48" High Load Backrest
<b>HYDRAULIC ACTIVATION</b>	1	4-Section Valve With Cowl Mounted Levers
<b>HYDRAULIC HOSEING OPTIONS</b>	1	Dual Function Internal Hosing - Simplex Mast
<b>OVERHEAD GUARD</b>	1	Standard Overhead Guard - 90.5" To Top
<b>OVERHEAD GUARD COVER</b>	1	Thermoformed Overhead Guard Cover
<b>PRODUCTIVITY OPTIONS</b>	1	Engine Protection System
<b>PRODUCTIVITY OPTIONS</b>	1	Fuel Saver Mode
<b>PRODUCTIVITY OPTIONS</b>	1	Ground Speed Control
<b>PRODUCTIVITY OPTIONS</b>	1	Steering Wheel Knob
<b>PRODUCTIVITY OPTIONS</b>	1	Rear Grab Handle With Horn Button
<b>PRODUCTIVITY OPTIONS</b>	1	Load Weight Display
<b>WARNING / LIGHT OPTIONS</b>	1	Electronic Back-up Alarm



### GP50CN1 - 10,000 lb. Capacity Gas/LP (Dual Fuel) Pneumatic Tire Lift Truck

WARNING / LIGHT OPTIONS	1	Two Forward LED Working Lights - OHG Mounted
WARNING / LIGHT OPTIONS	1	Rear LED Stop/Tail/Back-up Combination Lights
WARNING / LIGHT OPTIONS	1	Rear LED Working Light
WARNING / LIGHT OPTIONS	1	Radiator Coolant Warning Light
WARNING / LIGHT OPTIONS	1	Amber Strobe Light - Mounted Below OHG
SEAT	1	Full suspension vinyl seat
ACCESSORIES	1	Orange Seat Belt
ACCESSORIES	1	Operator Convenience Tray With Clipboard Holder
ACCESSORIES	1	Fire Extinguisher - OHG Mounted
ACCESSORIES	1	Dual Panoramic Rear View Mirror Kit
ACCESSORIES	1	Drawbar Pin
LANGUAGE MARKINGS	1	English Language Markings North/South America

#### GP50CN1 INVESTMENT SUMMARY

QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE	ACCEPTED
1	CAT 10,000 lb. Capacity Gas/LP (Dual Fuel) Pneumatic Tire Lift Truck	\$67,243.35	\$67,243.35	
<b>SPECIFIED INVESTMENT TOTAL:</b>			<b>\$67,243.35</b>	

#### GP50CN1 WARRANTY

GP50CN1      Extended Warranty - 24 Months/Unlimited Hours Full Coverage; 36 Months/6000 Hours Powertrain

Sourcwell member #11477

Contract# 091520-MCF

#### TOTAL MAINTENANCE AND REPAIR (TM & R) TERMS

MODEL	PERIOD	MONTHLY	HRS. ALLOWED	ADD'L FOR O.T.

The TM&R rates listed in the schedule include all labor, parts and materials to perform repair work on the equipment listed herein with the exception of replacement tires, rotating and flashing lights, headlights, backup alarms, attachments (other than side-shifters), seats, cabs, forks or maintenance of batteries or chargers on electric trucks.

These rates specified are based on operating conditions determined by our Sales Representative on our TM&R Application Survey at the time of order, and are subject to terms and conditions of our Maintenance & Repair Agreement.



### **PERFORMANCE. GUARANTEED.**

Other companies talk about performance. We guarantee it. Here's our pledge and promise to be the best service company in the industry. Period.

#### **RESOLUTION**

Have a concern? Not for long. Our employees are empowered to solve customer concerns on the spot. If you are still not satisfied, it's elevated to the regional leader for immediate attention and resolution.

#### **SERVICE**

Ready to roll 24/7/365 days a year and backed by a 4-hour emergency response time, or the first hour of labor is on us. Plus, free loaners on forklift and aerial lift repairs if we fail to fix it right the first time or by the time promised.

#### **PARTS**

All parts purchased from us are guaranteed for 6 months.

#### **RENTALS**

Rental equipment will be delivered on-time as promised or delivery is free.

#### **30 DAY BUYBACK**

If the new equipment fails to perform as promised and you're not satisfied, we'll buy it back. It's that simple

### **EQUIPPED TO SERVE™**

#### **ACCEPTANCE**

BUYER AGREES THAT ACCEPTANCE OF SELLER'S QUOTATION HEREIN (THE QUOTE) SHALL BE MADE EITHER BY (A) EXECUTING IN THE APPROPRIATE SPACE BELOW AND RETURNING THE EXECUTED DOCUMENT TO SELLER, (B) BUYER'S PURCHASE OF SERVICES OR EQUIPMENT, IN WHOLE OR IN PART, FROM THIS QUOTE, OR SELLER'S COMMENCEMENT OF ANY WORK IN FULFILLMENT OF BUYER'S ORDER, IN WHOLE OR IN PART, FROM THIS

QUOTE, (C) ELECTRONIC ACCEPTANCE, OR (D) ANY OTHER MEANS INDICATING BUYER'S WILLINGNESS TO ORDER SERVICES OR EQUIPMENT, IN WHOLE OR IN PART, FROM THIS QUOTE.

BY ACCEPTING THIS QUOTE, BUYER UNCONDITIONALLY ACCEPTS AND AGREES TO BE BOUND BY THE PROVISIONS ON THE REVERSE SIDE HEREOF, WHICH INCLUDES SELLER'S TERMS AND CONDITIONS, ALL OF WHICH ARE INCORPORATED BY REFERENCE INTO THIS QUOTE FOR ALL PURPOSES. THIS QUOTE, INCLUDING ALL ASPECTS OF BUYER'S PURCHASE OF SERVICES OR EQUIPMENT FROM SELLER, SHALL BE GOVERNED BY AND SUBJECT TO THE PROVISIONS FOUND ON THE REVERSE SIDE HEREOF.

<b>ACCEPTANCE AS CONTRACT OF SALE</b>	
<b>Authorized agent understands and agrees to the Terms and Conditions as included with this Quote</b>	
<b>Town of Scituate</b>	<b>Equipment Depot, Inc.</b>
_____ Authorized Agent Signature	_____ Authorized Agent Signature
_____ Date Signed	_____ Date Signed
_____ Printed name	_____ Michael Krueger Printed name
_____ Title/Position	_____ Sales Representative Title/Position
_____ Customer Purchase Order Number	
<i>Please consult with your accountant, tax professional, or equivalent to confirm characterization of equipment and tax implications. Other financing options and terms may be available (including financing sales tax). Please consult with your product specialist representative for additional financing options.</i>	

**TERMS AND CONDITIONS AGREEMENT (AGREEMENT)**

1. DEFINITION. Buyer means the party identified on the reverse side of this Agreement that is purchasing certain equipment and/or services from Seller. Seller means Equipment Depot, Ltd.
2. QUOTATION. This quotation is an offer to sell certain equipment (Equipment;) or services (Services;) as described in this quote to Buyer and is tendered by Buyer for acceptance by Seller. This quotation can only be a binding offer if signed by the General Manager or General Sales Manager at the branch of Seller's sales and service office stated herein. Upon said acceptance, this Agreement shall be effective after and shall survive (i) delivery of the Equipment or completion of Services, as applicable, and (ii) the signing of any additional security agreement relating to Equipment. If the terms hereof conflict with any such security agreement, the terms of the latter shall control.
3. SHIPMENT. Unless otherwise agreed in writing, all prices are for material packed for domestic shipment and for delivery F.O.B. factory or point of shipment. Shipping dates are approximate and based on prompt receipt of all necessary information. Notwithstanding anything to the contrary, all risk of loss for the Equipment shall be upon the Buyer from point of shipment. Buyer shall pay all transportation and delivery charges to final destination.
4. PRICES. Prices quoted herein are based on present costs. Prices are subject to increase by Seller at any time prior to commencement of Services, or delivery in respect of all or any portion of the Equipment, on order for scheduled commencement or delivery more than six (6) months from order date, to the extent necessary to cover Seller's increased costs applicable thereto.
5. PAYMENT. Partial shipments may be made and payments therefor shall become due in accordance with the terms hereof. Finance charges are subject to rates in effect at time of delivery of Equipment. The terms of sale herein are subject to credit approval and Seller may at any time prior to commencement of Services or delivery of Equipment modify the terms of payment originally specified to assure prompt payment for the Services and/or Equipment ordered.
6. TAXES. The amount of taxes stated on the face hereof, if any, is approximate only. Buyer is liable for the full amount of taxes applicable to or as a result of this transaction, exclusive of franchise taxes and taxes measured by the net income of Seller. Buyer shall pay the amount of all such taxes as at any time requested by Seller as if originally added to the price. If Seller pays such taxes, Buyer shall reimburse Seller therefor.
7. SECURITY INTEREST AND DEFAULT. Seller shall retain a security interest in Equipment until the total selling price, including taxes, delivery and other charges, is paid in full by Buyer. Buyer agrees to sign and deliver to Seller any additional security interest and UCC documents required by Seller and agrees to do such other acts and execute such other instruments as Seller may request to give Seller a valid security interest in the Equipment.

If Buyer fails or refuses to accept delivery of the Equipment and parts ordered hereunder or shall default in the performance of any of the terms, covenants and conditions of this Agreement, Seller may retain the cash deposited or paid to it and the Equipment accepted by it on account of the sale price, if any, and apply the same toward payment of its damages. If the Equipment has been delivered to Buyer at the time of default, Seller may declare the full amount due and payable without notice or demand and may repossess the Equipment. Repossession and disposition of the Equipment, and suit for any deficiency, shall be pursuant to applicable laws. The remedies provided herein in favor of Seller shall not be deemed exclusive, but shall be cumulative and shall be in addition to all other remedies available to Seller's at law or in equity.

8. WARRANTY. The manufacturer's warranty for Equipment in effect at the time of sale confirmation for the Equipment shall apply. Seller makes no representations or warranties of any kind or character as to the Equipment, and hereby disclaims all warranties or representations, expressed or implied, including but not limited to the warranties of fitness for any particular purpose, merchantability, quality, design or condition of the Equipment, or conformity to models or samples.

9. DELAYS. Seller shall not be liable for loss or damage due to delay in delivery or manufacture of the Equipment, or commencement or completion of Services, resulting from any cause beyond Seller's reasonable control, including but not limited to, compliance with any regulations, orders, or instructions of any federal, state or municipal government or any department or agency thereof, acts of God, acts or omissions of Buyer, acts of civil or military authority, fires, strikes, factory shutdowns or alterations, embargoes, war, riot, delays in transportation or Seller's inability to obtain necessary labor, manufacturing facilities or materials from the Seller's usual sources; and any delays resulting from any such cause shall constitute a waiver of all claims for damages. IN NO EVENT SHALL buyer or seller BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL LOSS OR DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS PROFITS AND LOSS REVENUE, EVEN IF INFORMED OF THE POSSIBILITY OF SUCH DAMAGES, however same may be caused.

10. CANCELLATION. Buyer may cancel its order, reduce quantities, revise specifications or scope or extend schedules only by agreement by Seller in its sole discretion. In the event of such agreement, Buyer shall be liable for reasonable and applicable charges which shall include but not be limited to restocking fees, freight charges, cancellation charges, demobilization costs, or other similar charges, and shall also take into account expenses already incurred or to be incurred by Seller and commitments made by Seller, and Buyer shall indemnify Seller against any losses resulting therefrom.

11. ENTIRE AGREEMENT AND APPLICABLE LAW. The rights and obligations of Seller and Buyer under any order placed pursuant hereto shall be governed by the laws of the state of Texas. The provisions hereof are intended by Buyer and Seller to be the entire agreement pertaining to the subject matter hereof, and supersede all prior agreements, understandings, negotiations and discussions, whether oral or written, of the parties hereto pertaining to the subject matter hereof. No waiver, modification or addition to any of the terms hereof shall be binding on Seller unless made in writing by the General Manager or the General Sales Manager at Seller's branch as stated herein. In the event of conflict between a service agreement or Buyer's purchase order and the terms hereof, the latter shall control.

12. TITLE. Title to the Equipment shall not pass to Buyer until the purchase price has been paid in full. In the event of non-payment within sixty (60) days after delivery, Seller reserves the right to repossess the Equipment and to charge a reasonable sum for the use thereof during the period from delivery to repossession.

13. ENFORCEABILITY. If any part or provision of this Agreement is declared invalid by a competent authority, such declaration shall not have the effect of invalidating or voiding the remainder of this Agreement. The parties agree that the part(s) of this Agreement so held to be invalid, void or unenforceable shall be modified to the extent required to make it enforceable, or, if necessary, the Agreement shall be deemed to be amended to delete the unenforceable part or provision, and the remainder shall have the same force and effect as if such part or provision had never been included herein.

(Ver.7.2019)



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023- FY2027**

Date submitted: 09/20/18

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

Project Number:	2023-422-04		
Project Title:	Roads and Sidewalk Funds		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

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

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

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

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

**Discuss Operating Budget Impact:**

*The request is for \$300,000 to the 2023 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		2023	2024	2025	2026	2027	
Study/Design	\$0						<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	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$300,000	\$300,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other _Ch 90

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$300,000	\$300,000	\$0	\$0	\$0	\$0

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION

Capital Improvement Program: FY2023 - FY2027

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2024-422-01
Project Title:	Wacker Wheeled Mini Excavator
Category:	Equipment
Department: DPW Highway	Contact: Mike Breen

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New       Recurring       Resubmission

                        Multiyear       Phase - Final

Description:

New Wacker Wheeled Mini Excavator

Benefits of Project and Impact if Not Completed:

This Excavator is good for jobs where large backhoe can't fit. It would be good for catch basin repair, trenches, stormwater outfalls and ditches.

Discuss Operating Budget Impact:

Currently when needed, this type of equipment is borrowed from another department. This impacts the schedule of other repairs.

Recommended Financing

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$126,500		\$126,500				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$126,500	\$0	\$126,500	\$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	\$126,500	\$0	\$126,500	\$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					





Office: 978.454.3320 • Fax: 978.454.3325  
 61 Silva Lane, Dracut, MA 01828 • www.EquipmentEast.com

**QUOTE - DO NOT PAY**

Quote: 01-23099  
 Date: 9/22/2021

PO: Revised 2 - VEH98 EW65  
 CustId: SCITUATE DPW

Cust Email: kcafferty@scituatema.gov  
 Phone: (781) 545-8732  
 Salesperson: JFleming  
 User: Chris Thomas

<b>Bill To:</b> Scituate, Town of - Dept. of Public Works 68 Captain Pierce Road Scituate, MA 02066	<b>Ship To:</b> Scituate, Town of - Dept. of Public Works
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Quote prepared using Mass State contract VEH98

Item	Type	Description	Qty	Tax	Price	Discount	Net Price
EW65 - E1203	QU	Wacker Neuson EW65 - E1203 WAC - 6.5 metric ton wheeled excavator Bucket: 24" dig bucket Coupler: Hydraulic pin grabber Line Discount: 7.00%	1.0000		\$123,575.00		
		<b>Total EW65 - E1203</b>			(\$8,650.25)		\$114,924.75
5100042350	QU	Wacker Neuson 5100042350 WAC - Hydraulic thumb dual grip Line Discount: 7.00%	1.0000		\$3,749.00		
		<b>Total 5100042350</b>			(\$262.43)		\$3,486.57
5200017920	QU	Wacker Neuson 5200017920 WAC - 12" dig bucket - Narrower than thumb Line Discount: 7.00%	1.0000		\$1,325.00		
		<b>Total 5200017920</b>			(\$92.75)		\$1,232.25
5000176276	QU	Wacker Neuson 5000176276 WAC - 48" hydraulic tilt bucket 5000180992: Hose kit 5100037077: Bolt on cutting edge Line Discount: 7.00%	1.0000		\$5,998.00		
		<b>Total 5000176276</b>			\$265.00 \$710.50 (\$419.86)		\$6,485.35
						<b>Total:</b>	<b>\$126,128.92</b>

<b>Totals</b>	<b>Sub Total:</b>	<b>\$126,128.92</b>
	<b>Total Tax:</b>	<b>\$0.00</b>
	<b>Invoice Total:</b>	<b>\$126,128.92</b>

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

I agree that I have received and read the Terms and Conditions with this document and agree that it is part of this quote/sale contract. No other agreement/understanding affects this order unless specified above. Quotes Valid 30 days. Deal is not binding until accepted and signed by the Officer of the Dealer's Corporation. The above quote does not include Freight and Sales/Use tax. The customer is responsible for All Freight and Sale/Use Tax.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2024-422-02		
Project Title:	Truck 102, 2022 Chevrolet K2500 Silverado 4x4 Pick Up Truck		
Category:	Equipment		
Department:	Highway	Contact:	Mike Breen

**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:**

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 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 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 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 cannot support the heavy duty work load in which it is used for.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000.00 to the 2024 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$65,000		\$65,000				<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$65,000</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>\$65,000</b>	<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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

- Open Space
- Recreation
- Historical
- Housing

**Operating Budget Impact**

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



# Liberty Chevrolet



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

October 12, 2021

Dear Mr. Mason,

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

2022 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 \$35,886.00

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
VYU	Factory Snow Plow Prep Package	\$ 300.00
5H1	Two Additional Keys	\$ 50.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
ZLQ	WT Fleet Convenience Package	\$ 1,400.00
GA0	Exterior Color Northsky Blue	

Additional Contract Options:

5044	Tomygate, 1300 Lbs Capacity Liftgate	\$ 4,675.00
5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5002	4' Black Tube Steps	\$ 770.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
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Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023- FY2027

Date submitted: 09/20/18

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

Project Number:	2024-422-03		
Project Title:	Roads and Sidewalk Funds		
Category:	Construction		
Department:	Highway	Contact:	Mike Breen/Kevin Cafferty

**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				
		2023	2024	2025	2026	2027
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: FY2023- FY2027**

Date submitted: 09/20/18

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

Project Number:	2025-422-01		
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 2025 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2023	2024	2025	2026	2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$200,000			\$200,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other Ch 90

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<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: FY2023- FY2027**

Date submitted: 09/20/18

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					Funding Source(s) Check all that apply
		2023	2024	2025	2026	2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$200,000				\$200,000		<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other Ch 90

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	
<b>Operating Budget Impact</b>							
During Project	\$0						<input type="checkbox"/> Open Space
Post-Project Annual							<input type="checkbox"/> Recreation
Post-Project One-time	\$0						<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing



### TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2027-422-01	
Project Title:	Replace 1-1	
Category:	Equipment	
Department: Highway	Contact:	Mike Breen

**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:**

Replace the 2019 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 8 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:**

*Maintaining fleet to insure proper service.*

**Discuss Operating Budget Impact:**

*The request is for \$65,000 to the 2027 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	<input checked="" type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input checked="" type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$0						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$65,000					\$65,000		
Contingency	\$0							
Other	\$0							
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,000</b>		

Grant/CPA		CPA Purpose(s) Check all that apply	
Grant Amount Requested	\$0	<input type="checkbox"/> Open Space	<input type="checkbox"/> Recreation
CPA Amount Requested	\$0	<input type="checkbox"/> Historical	<input type="checkbox"/> Housing
<b>Net of CPA and Grants</b>	<b>\$65,000</b>		

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





# Liberty Chevrolet



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

October 12, 2021

Dear Mr. Mason,

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

2022 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                      \$35,886.00

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
VYU	Factory Snow Plow Prep Package	\$ 300.00
5H1	Two Additional Keys	\$ 50.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
ZLQ	WT Fleet Convenience Package	\$ 1,400.00
GA0	Exterior Color Northsky Blue	

Additional Contract Options:

5044	Tomygate, 1300 Lbs Capacity Liftgate	\$ 4,675.00
5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5002	4' Black Tube Steps	\$ 770.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
-----	---------------------------------	-------------

Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023- FY2027**

Date submitted: 09/20/18

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

Project Number:	2027-422-02	
Project Title:	Roads and Sidewalk Funds	
Category:	Construction	
Department:	Highway	Contact: Mike Breen/Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

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

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

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

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

**Discuss Operating Budget Impact:**

*The request is for \$200,000 to the 2027 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		2023	2024	2025	2026	2027
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 2023-2027  
Sorted by Department, Year & Project Number**

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
46	Replace 2001 Trash Truck	2023-429-01	DPW - Grounds	2023	GF	\$ 170,000	
45	Cemetery Maintenance Database Program	2023-429-02	DPW - Grounds	2023	GF	\$ 45,000	
34	Replace #2-0 1999 Ford 250 Pick-up	2023-429-03	DPW - Grounds	2023	GF	\$ 65,000	
32	Replace #2-2 2013 Pick-up*	2023-429-04	DPW - Grounds	2023	GF	\$ 65,000	
23	Metal Storage Building	2024-429-01	DPW - Grounds	2024	GF	\$ 153,230	
16	New Trackless Tractor	2024-429-02	DPW - Grounds	2024	GF	\$ 159,622	
12	New Aerator for Fields	2024-429-03	DPW - Grounds	2024	GF	\$ 25,310	
34	Replace #2-8 - 2007 Chevy 3600 Dump Truck	2025-429-01	DPW - Grounds	2025	GF	\$ 65,000	
31	Replace 2012 Toro Deck Mower	2025-429-02	DPW - Grounds	2025	GF	\$ 139,500	
44	Leaf & Debris Vacuum	2026-429-01	DPW - Grounds	2026	GF	\$ 32,000	
23	Replace 2005 Bucket Truck	2027-429-01	DPW - Grounds	2027	GF	\$ 269,000	
39	Field Repair/Construction	2027-429-02	DPW - Grounds	2027	GF	\$ 58,000	
21	Walkway Improvement at Town Hall	2027-429-03	DPW - Grounds	2025	GF	\$ 35,000	
<b>Total FY2023-2027</b>						<b>\$ 1,281,662</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1123920	589000	20N5	ATHLETIC FIELDS	33,560.89
1411916	589000	16A4E	Foreshore Protection	37,983.96
1411917	589000	17A3H	Cudworth Cemetery Ph 2	814.15
1411917	589000	17A3F	Foreshore Protection	4,843.50
1411917	589000	17A3A	Road & Sidewalk Impvmnts	186,234.59
1411920	589000	20A3C	FORESHORE PROTECTION	189,781.38
1411921	589000	21A3A	FORESHORE PROTECTION	198,814.52
1422919	589000	19A3A	ROADS & SIDEWALKS	218,171.35
1422920	589000	20A3G	ROADS & SIDEWALKS	196,417.19
1422921	589000	21A3D	ROAD & SIDEWALK IMPS	197,250.00
1422921	589000	21A3F	STREET SWEEPER	1,946.94
1429915	589000	15A3G	Cudworth Cemetery	401.51
1429918	589000	18A3J	Expand Cudworth Cemetery #3	7,805.09
1429919	589000	19A3B	CUDWORTH CEMETERY	25,000.00
1429920	589000	20A3D	1985 JOHN DEERE TRACTOR REPL	1,338.38
1429920	589000	20A3E	TRUCK 2-5 REPLACEMENT	2,015.00
<b>General Fund Total</b>				<b>1,302,378.45</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-422-01
Project Title:	REPLACE Trash Truck 2022 Cab & Chassis w/ Cummins ISB 220hp Engine
Category:	Equipment
Department: DPW Grounds	Contact: Mike Breen

**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:**

Replace 2001 GMC Trash Truck. The current trash truck is 20 years old and at the end of it's useful life. Repairs to this vehicle recently have cost over \$7000.00 to keep it running.

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

The present truck is constantly breaking down due to the age of the vehicle most parts are obsolete. Without the new truck it will triple the time to gather the trash around Town leaving the Grounds Department short 2 men to perform other duties.

**Discuss Operating Budget Impact:**

This new vehicle will reduce maintenance and labor costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$170,000	\$170,000					<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>\$170,000</b>	<b>\$170,000</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>\$170,000</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

**Operating Budget Impact**

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

**INTERNATIONAL TRUCK  
GREATER BOSTON POLICE COUNCIL  
2020-2021 COOPERATIVE PROCUREMENT CONTRACT  
# GBPC 2014-INTERNATIONAL**

101 2022 MV SBA Cab & Chassis with Cummins ISB - 220hp Engine 25,500 lb. GVWR \$73,524.00

**OPTIONAL EQUIPMENT:**

ITEM #	DESCRIPTION	COST
102	Cummins B6.7L 260 HP Engine	\$805.00
163	MV607 Air Suspension Seat	\$315.00
164	MV607 Two-Man Passenger Seat ilo Single Seat	\$585.00
175	MV607 Spare Tire and Wheel	\$827.00
189	MV607 Front Tow Hooks	\$85.00
190	MV607 Custom paint Color	\$435.00
192	MV607 Corrosion Resistant E-Coat Primer for Single Rail	\$508.00
345	Polymer Fenders	\$900.00
348	PTO and Pump For Automatic or Manual Transmission	\$3,248.00
477	New Way Diamond Back Rear Load 6 Yard Packer	\$49,288.00
947	LED Light Package	\$2,525.00
<b>TOTAL PRICE</b>		<b>\$133,045.00</b>

**Additional Options:**

Estimated Steel Surcharge \$9,500.00

**Delivered Price \$142,545.00**

**SERVICING INTERNATIONAL DEALER**

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

by Edward D. Nolan

September 24, 2021  
Date

**MUNICIPALITY:**

Scituate Public Works  
68 Captain Pierce Road  
Scituate, Ma 02066

These Contract prices are valid for orders placed before October 31, 2021.

**Note: For budgeting purposes chassis ordered after October 31, 2021 add approximately %12-%15 increase.**

**Prepared For:**  
Town of Scituate  
Rick Capone  
600 Chief Justice Cushing Hwy  
Scituate, MA 02066-3229  
(781)545 - 8732  
Reference ID: 6 Yard Packer

**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**  
**2022 MV607 SBA (MV607)**

<b>AXLE CONFIG:</b>	4X2
<b>APPLICATION:</b>	Construction Dump
<b>MISSION:</b>	Requested GVWR: 23500. Calc. GVWR: 23500. Calc. GCWR: 26000 Calc. Start / Grade Ability: 33.05% / 3.13% @ 55 MPH Calc. Geared Speed: 80.1 MPH
<b>DIMENSION:</b>	Wheelbase: 152.00, CA: 84.90, Axle to Frame: 39.00
<b>ENGINE, DIESEL:</b>	{Cummins B6.7 250} EPA 2021, 250HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max)
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 2100 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, with 26,000-lb GVW and GCW Max, On/Off Highway
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-08-153B} I-Beam Type, 8,000-lb Capacity
<b>AXLE, REAR, SINGLE:</b>	{Meritor MS-17-13X-3DFL} Single Reduction, 15,500-lb Capacity, 190 Wheel Ends Gear Ratio: 5.13
<b>CAB:</b>	Conventional, Day Cab
<b>TIRE, FRONT:</b>	(3) 245/70R19.5 Load Range H ENDURANCE RSA (GOODYEAR), 622 rev/mile, 81 MPH, All-Position
<b>TIRE, REAR:</b>	(4) 245/70R19.5 Load Range H FUEL MAX RTD (GOODYEAR), 622 rev/mile, 81 MPH, Drive
<b>SUSPENSION, REAR, SINGLE:</b>	15,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
<b>PAINT:</b>	Cab schematic 100WP Location 1: 6C00, Blue Md Metallic (Prem) Chassis schematic N/A



<u>Code</u>	<u>Description</u>
MV60700	Base Chassis, Model MV607 SBA with 152.00 Wheelbase, B4.90 CA, and 39.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1ANA	AXLE CONFIGURATION (Navistar) 4x2
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CAC	FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 480.1" (12195mm) Maximum OAL
1LEG	LICENSE PLATE HOLDER Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper
1LNG	BUMPER, FRONT Contoured, Steel, Painted Gloss Black
1MEJ	FRAME, SPECIAL EFFECTS Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline
1WEH	WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)
1WRN	BRACKET, CAB MOUNT Heavy Duty
2ATK	AXLE, FRONT NON-DRIVING (Meritor MFS-08-153B) I-Beam Type, 8,000-lb Capacity
3ADA	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 8,000-lb Capacity, with Shock Absorbers
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free
4100	BRAKE SYSTEM, HYDRAULIC (Wabco) Split System, with Automatic Adjustment and Four Channel ABS
4EVD	DUST SHIELDS, FRONT BRAKE for Hydraulic Brakes
4EVE	DUST SHIELDS, REAR BRAKE for Hydraulic Brakes
4GAR	BRAKE, PARKING (Bosch) DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by Lever in Cab; Differential Mounted
4XCW	BRAKES, FRONT (Meritor Quadraulic) Hydraulic Disc Type, with Four 70mm Diameter Pistons, 12,000-lb Capacity
4XCX	BRAKES, REAR (Meritor Quadraulic) Hydraulic Disc Type, with Four 70mm Diameter Pistons, 21,000-lb Capacity per Axle
5708	STEERING COLUMN Tilting
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PRG	STEERING GEAR (TRW (Ross) TAS40) Power
6DGA	DRIVELINE SYSTEM (Dana Spicer) SPL100, for 4x2/6x2
7BEV	AFTERTREATMENT COVER Steel, Black
78LV	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab
7WZY	SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, On/Off Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in On Position
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u> : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

<u>Code</u>	<u>Description</u>
	<ul style="list-style-type: none"> <li>: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel</li> <li>: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever</li> <li>: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light</li> <li>: STARTER SWITCH Electric, Key Operated</li> <li>: STOP, TURN, TAIL &amp; B/U LIGHTS Dual, Rear, Combination with Reflector</li> <li>: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature</li> <li>: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted</li> <li>: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever</li> <li>: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted</li> <li>: WIRING, CHASSIS Color Coded and Continuously Numbered</li> </ul>
8GXD	ALTERNATOR {Leece-Neville AV1180P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8RMX	RADIO Omit, Includes Wiring and Antenna
8RPP	ANTENNA Shark Fin, Roof Mounted
8VAY	HORN, ELECTRIC Disc Style
8VUL	BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Left Side Back of Cab
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XKL	STARTING MOTOR (Mitsubishi Electric Automotive America 90P47) 12-Volt, with Soft-Start
8XNY	HEADLIGHTS Halogen
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9HAD	GRILLE Chrome
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WAY	FRONT END Tilting, Fiberglass, with Three Piece Construction
10021	CHASSIS COATING Corrosion Resistant E-Coat Primer Coating for Single Frame Rails
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u>
	: PAINT SCHEMATIC ID LETTERS "WP"
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

<u>Code</u>	<u>Description</u>
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
12ERH	ENGINE, DIESEL (Cummins B6.7 250) EPA 2021, 250HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max)
12TSY	FAN DRIVE (Borg-Warner SA85) Viscous Type, Screw On  <u>Includes</u> : FAN Nylon
12UYE	RADIATOR Aluminum, 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler, Includes In-Tank Oil 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
12VBR	AIR CLEANER with Service Protection Element
12VHP	EMISSION, CALENDAR YEAR (Cummins B6.7) EPA, OBD and GHG Certified for Calendar Year 2021
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12WPV	OIL PAN 15 Quart Capacity, For Cummins ISB/B6.7 Engines
12WZB	CARB IDLE COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
12WZX	CARB EMISSION WARR COMPLIANCE for Cummins B6.7 Engines
12XAT	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls, with Ignition Switch Control, for Cummins ISB/B6.7 and ISL/L9 Engines
13ATG	TRANSMISSION, AUTOMATIC (Allison 2100 RDS) 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, with 26,000-lb GVW and GCW Max, On/Off Highway
13WEV	TRANSMISSION FEATURE EFFECTS for Allison, Disable Aftertreatment Regeneration When in PTO Mode
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints
13WVS	TRANSMISSION SHIFT CONTROL T-Handle
13WVY	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab
13WYY	SHIFT CONTROL PARAMETERS (Allison) 1000 or 2000 Series Transmissions, Performance Programming
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
14AKE	AXLE, REAR, SINGLE (Meritor MS-17-13X-3DFL) Single Reduction, 15,500-lb Capacity, 190 Wheel Ends . Gear Ratio: 5.13
14VAC	SUSPENSION, REAR, SINGLE 15,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxillary Rubber Springs
14WCA	FILL PLUG, MAGNETIC for Each Rear Differential
14WMN	AXLE, REAR, LUBE (EmGard FE-75W-90) Synthetic Oil; 1 thru 29.99 Pints

<u>Code</u>	<u>Description</u>
15LMS	FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine
15SGJ	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 16" Tank Depth, 50 US Gal (189L), Mounted Left Side, Under Cab
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab  <u>Includes</u> : CLEARANCE/MARKER LIGHTS (5) Flush Mounted
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer  <u>Includes</u> : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure or Auxiliary Air Pressure (if Air Equipped) : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure, Primary and Secondary (if Air Equipped)
16GHU	GRAB HANDLE, CAB INTERIOR (2) Safety Yellow
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
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
16LSC	SEAT, DRIVER {National 2000} Self Contained with Compressor, High Back with Integral Headrest, Vinyl, Isolated, Mechanical Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust, Dual Shocks
16SED	GRAB HANDLE, EXTERIOR (2) Black, Aluminum, for Cab Entry Mounted Left and Right Side at B-Pillar
16SMP	SEAT, TWO-MAN PASSENGER {National} Vinyl, Less Under Seat Storage Compartment
16SNM	MIRRORS (2) C-Loop, Heated, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" 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"
16VBZ	SEAT BELT All Red; 1 to 3
16VKB	CAB INTERIOR TRIM Classic, for Day Cab  <u>Includes</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
16VLM	CAB REAR SUSPENSION Rubber Suspension, for Low Cab Height
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WEE	CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator

<u>Code</u>	<u>Description</u>
18WLM	HOURMETER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch
16WSE	LOW WASHER FLUID INDICATOR
16XCK	WINDOW, MANUAL (2) and Manual Door Locks, Left and Right Doors
16XJN	INSTRUMENT PANEL Flat Panel
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
26DTX	WHEEL, SPARE, DISC {Accuride 50180} 19.5x6.75 Rims, Powder Coat Steel, 4-Hand Hole, 8-Stud, 275mm BC, Hub-Piloted
27DTX	WHEELS, FRONT {Accuride 50180} DISC; 19.5x6.75 Rims, Powder Coat Steel, 4-Hand Hole, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
28DTX	WHEELS, REAR {Accuride 50180} DUAL DISC; 19.5x6.75 Rims, Powder Coat Steel, 4-Hand Hole, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
29007	TIRE, SPARE Equal to Model Standard
7789458132	(3) TIRE, FRONT 245/70R19.5 Load Range H ENDURANCE RSA (GOODYEAR), 622 rev/mile, 81 MPH, All-Position
7789458137	(4) TIRE, REAR 245/70R19.5 Load Range H FUEL MAX RTD (GOODYEAR), 622 rev/mile, 81 MPH, Drive

**Services Section:**

40129	WARRANTY Standard for MV Series, Effective with Vehicles Built July 1, 2017 or Later, CTS-2020A
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
1	6 Yard Rear Loader



## TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

### Capital Improvement Program: FY2023 - FY2027

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-429-02	
Project Title:	Cemetery Maintenance Database/Program & Computer	
Category:	Technology	
Department:	DPW Grounds	Contact: Mike Breen

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                    Multiyear [ ]      Phase - Final

**Description:**

*Cemetery Maintenance Database program & Computer would allow easy access and data tracking for Union Cemetery, Cudworth Cemetery and Men of Kent.*

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

*This would allow an accurate listing of all souls buried at these three Town Cemetery's. Also, would allow the town to have current technology applied for cemetery maintenance and tracking. The Town adopted Union Cemetery on July 1, 1986, prior to the adoption the caregivers under went a fire loosening most of the old records rendering the records incomplete. Resulting in multiple hours of research piecing together the location of lost soles This new software would result in cost savings for the Town.*

**Discuss Operating Budget Impact:**

*The new database will be an impact of \$45,000.00 to the 2023 capital. This will reduce payroll cost for the amount of hours spent researching lost graves.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$45,000	\$45,000				
<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					

# CemSites

Cloud Software for Cemeteries

## Proposal



# Why choose us?

## Inspired by you. Built for you.

We've been working side-by-side with cemeteries just like yours for many years. We understand the challenges and responsibilities you face daily. We know you want to provide easier access for your community, improve efficiency, and save money. Our goal is to introduce modern technology to every cemetery and have all prosper and thrive from its time and money-saving benefits.

## We developed the most functional, adaptable, and powerful cemetery software in the industry.

Every cemetery is unique. We learned that one solution doesn't fit all, so we went in a different direction. Together with our cemetery partners we developed cloud software that is flexible, scalable, super-secure, and tailor-fit to meet your specific needs.

## Apples-to-apples, no one has our apples.

With our innovative Secure CRM and suite of powerful add-ons, we believe we have it all. We offer data visualization, GPS Walk-to-Site, task automation, one-click reporting, promotional tools and so much more. Our company's experience and structure allow rapid deployment and implementation of our software unlike any other company.

## About those apples....



### CUSTOMIZABLE PRODUCTS

Flexcore Framework CRM is the primary platform for all CemSites products. It is a highly developed and highly adaptable application that allows for rapid deployment and implementation for any size cemetery. Modular components can be added-on to easily expand its power, features, and functionality. Add on what you want, drop what you don't need.



### 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 also downloadable if you would like to retain it yourself.



### CLOUD SOFTWARE

CemSites cloud software is not device-dependent; it can be accessed from any computer, tablet, or phone from anyplace at any time. Your cemetery data is stored at multiple data centers and backed-up throughout the day. Never fear losing data again. Our cloud software also updates automatically, so you'll never be stuck with outdated software again!



### CEMCARE<sup>SM</sup> PARTNER SUPPORT

Unparalleled commitment, support, and access for our CemSites partners. Dedicated client advocate assigned to support your cemetery. Emergency hotline 365 days-a-year. Proactive outreach that includes preemptive check-ups, quarterly evaluations, maintenance, software training and adoption.



### 100% MADE IN THE USA

We take pride that all aspects of CemSites' software—including coding—are crafted and perfected in the USA. Our software engineers, support staff and marketing team are all in-house. CemSites firmly believes in supporting not only our local economy, but also the American economy by not outsourcing and keeping jobs in the United States.





# 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.

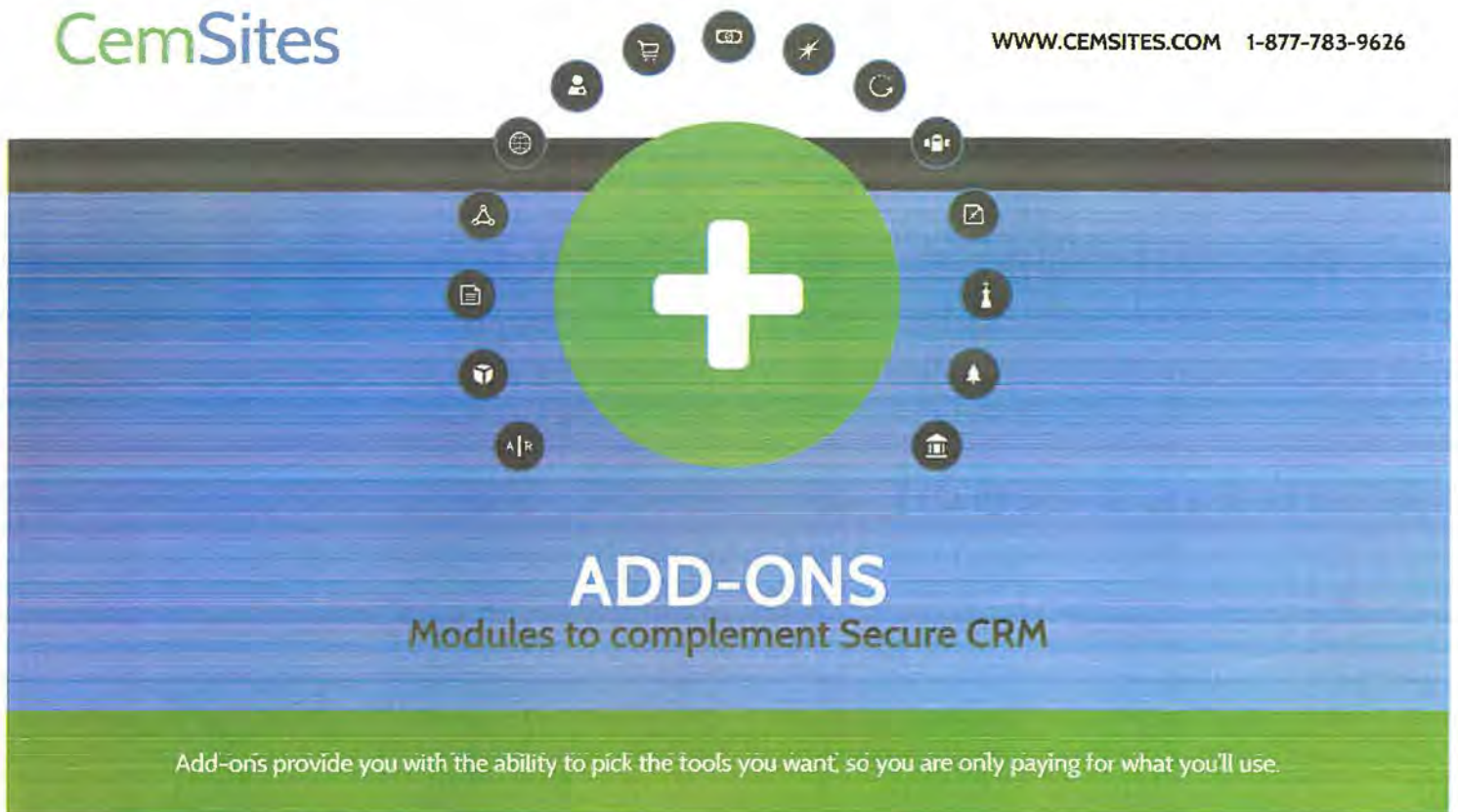
### FEATURES

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



**“I would highly recommend CemSites; they’ve been able to increase our revenues and have made my job much easier.”**

– CINDY FISHER  
Office Manager,  
Round Hill Cemetery



## Stay organized and informed



### AR FINANCE MODULE

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



### INVENTORY MANAGER

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



### DOC AUTOMATION MODULE

The Doc Automation 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 autogenerated 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

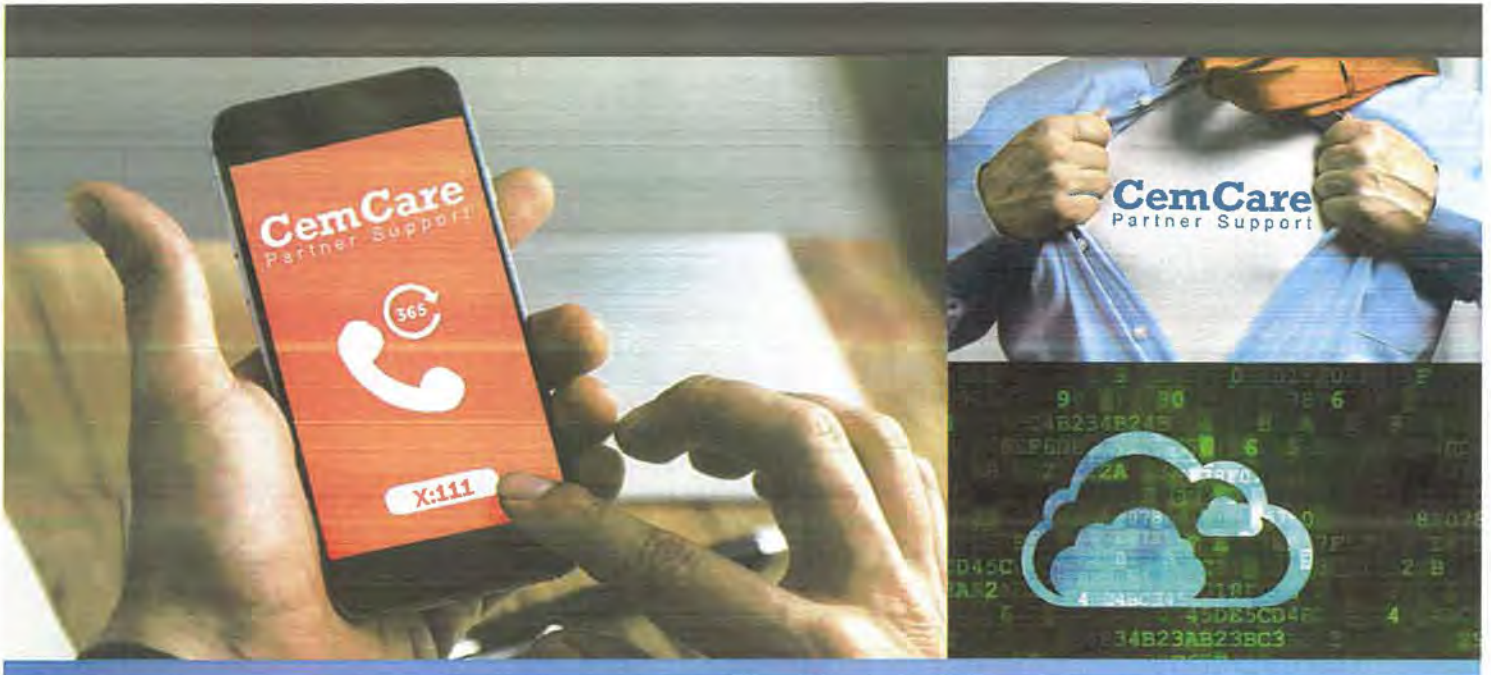
The Mausoleum Mapping add-on visually connects crypts and owner record information within Secure CRM to its physical location. Use the face view and section photograph features to "walk through" crypt location options with potential customers without leaving the office.



**"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

Grave Mapping  
Walk-to-Site



## CemCare<sup>SM</sup> Partner Support

### Unparalleled Commitment, Support, and Access for Our CemSites Partners

CemCare was developed through careful self-evaluation, partner feedback and extensive real-world testing. We believe our support program is unprecedented, and the best in the industry. Providing the world-class support, you deserve.

#### THE HALLMARKS OF OUR PARTNER SUPPORT PROGRAM

CemCare provides a dedicated client advocate, emergency hotline, proactive outreach, and tech resource bundles. These elements represent a seismic-shift in client support and are the result of years of work in the field with our cemetery partners.

#### DEDICATED CLIENT ADVOCATE

- Assigned to your cemetery
- Addresses issues in real-time
- Assistance with full adoption

#### EMERGENCY HOTLINE

- LIVE response
- 365 days-a-year
- You call, we answer

#### PROACTIVE OUTREACH

- Preemptive check-ups
- Software training and adoption
- Quarterly evaluations and maintenance

#### TECH RESOURCE BUNDLES

- Partner discounted development
  - Custom programming
  - Design changes
  - Staff onboarding

The Cemsite staff are personable, caring, and love what they do. Those are traits that create success.”

–Heather Leigh, Owner, Greenhaven Memorial Gardens & Life Tribute Center



**Quote**

9/14/21

**CEMSITES**  
 14 Memorial Drive  
 Perryopolis, Pennsylvania 15473  
 (877) 783-9626

**QUOTE #**  
 027999  
**BILLED TO KIM DAMI**  
 Scituate Cemetery Dept  
 600 Chief Justice Cushing Hwy  
 Scituate, MA 2066

PRODUCT	QUANTITY	PRICE	TOTAL
<b>Project Summary</b> -# of Cems: 3 -Acres: 11.04 -# of Records: 5,000 -# of Graves: 5,000 -Docs: 1 - Deed -Software: N/A  <i>Additional modules, hours, or out of scope work will be billed at \$200.00 per hour. Up to (27) hours are allocated.</i>	1	\$0.00	\$0.00
<b>Secure CRM</b> <i>Cloud Cemetery Record Management software designed to elevate your customer experience.</i>  -Dashboard, calendar, tasks, reminders, & work orders -Set restrictions & permissions by user -Easy searching & reporting with no double entry	1	\$5,000.00	\$5,000.00
<b>Secure CRM License</b> <i>Annual License. Includes access up to 1 user profile(s).</i>	1	\$1,200.00	\$1,200.00
<b>Lot Level Mapping</b> <i>Your maps online, always up to date with live information. Walk with families &amp; sell graves with Visual Lot Viewer.</i>  -Inventory searching by lot -Drag area & drill down to view -Powers our Walk-to-Site -Survey maps provided by customer	1	\$4,000.00	\$4,000.00
<b>Visual Lot Viewer</b> <i>Have your lot cards come to life. Everything is connected through this visual launchpad.</i>  -Quick Add - A simple way to enter a new record -Drag & Drop - Make changes to your lot with ease -Inventory Status - Easily see what's available & sold	1	\$1,500.00	\$1,500.00

<b>PRODUCT</b>	<b>QUANTITY</b>	<b>PRICE</b>	<b>TOTAL</b>
<b>Document Automation</b> <i>Simplify your workflow with one point of entry. All your data pushes to our trusted templated documents.</i>  <i>-Print &amp; save important docs on-demand</i> <i>-Improve customer experience</i> <i>-Time savings, trust &amp; accuracy</i> <i>-Eliminates human error</i>	1	\$500.00	\$500.00
<b>CemCare - Partner Support</b> <i>Dedicated client advocate assigned to support you. They become part of your team.</i>  <i>-Proactive outreach</i> <i>-Evaluations with report cards</i> <i>-Software training</i> <i>-Helps with adoption</i> <i>-Emergency hotline 365</i>	1	\$0.00	\$0.00
<b>TOTAL</b>			<b>\$12,200.00</b>

This estimate is valid for 30 days and is based on the data and information we have gathered to date. Actual data quality and map detail will affect the price. If during development, the job exceeds the original estimated development/design hours allocated, an estimate for additional work billable at \$200.00 per hour will be provided to the client for approval prior to continuing the client build. Does not include any transaction and/or bank fees or any applicable local/state/federal taxes. If your state requires sales tax, you are required to pay it. This is only an estimate. Please request an invoice to process your payment.



**Quote**

9/14/21

**CEMSITES**  
 14 Memorial Drive  
 Perryopolis, Pennsylvania 15473  
 (877) 783-9626

**QUOTE #**  
 021837  
**BILLED TO KIM DAMI**  
 Scituate Cemetery Dept  
 600 Chief Justice Cushing Hwy  
 Scituate, MA 2066

PRODUCT	QUANTITY	PRICE	TOTAL
<b>OPTIONAL SOFTWARE</b>	1	\$0.00	\$0.00
<b>Website Integration</b> <i>One page integration seamlessly emulating existing website. Includes Walk-To-Site, Records Search, Upcoming Burials &amp; Recent Interments. Up to 5 design hours allocated, additional time spent will be billable at \$150.00 per hour.</i>	1	\$1,500.00	\$1,500.00
<b>Website Hosting</b> <i>Website hosting billed annually.</i>	1	\$480.00	\$480.00
<b>TOTAL</b>			<b>\$1,980.00</b>

This estimate is valid for 30 days and is based on the data and information we have gathered to date. Actual data quality and map detail will affect the price. If during development, the job exceeds the original estimated development/design hours allocated, an estimate for additional work billable at \$200.00 per hour will be provided to the client for approval prior to continuing the client build. Does not include any transaction and/or bank fees or any applicable local/state/federal taxes. If your state requires sales tax, you are required to pay it. This is only an estimate. Please request an invoice to process your payment.





**Quote**

9/14/21

**CEMSITES**  
14 Memorial Drive  
Perryopolis, Pennsylvania 15473  
(877) 783-9626

**QUOTE #**  
028281  
**BILLED TO KIM DAMI**  
Scituate Cemetery Dept  
600 Chief Justice Cushing Hwy  
Scituate, MA 2066

<b>PRODUCT</b>	<b>QUANTITY</b>	<b>PRICE</b>	<b>TOTAL</b>
<b>OPTIONAL SOFTWARE</b>	1	\$0.00	\$0.00
<b>OCR - Travel Fee</b>	1	\$4,000.00	\$4,000.00
<b>OCR - Data Entry Fee</b>	1	\$13,000.00	\$13,000.00
<b>OCR - Memorial Photography</b>	1	\$10,000.00	\$10,000.00
	<b>TOTAL</b>		<b>\$27,000.00</b>

This estimate is valid for 30 days and is based on the data and information we have gathered to date. Actual data quality and map detail will affect the price. If during development, the job exceeds the original estimated development/design hours allocated, an estimate for additional work billable at \$200.00 per hour will be provided to the client for approval prior to continuing the client build. Does not include any transaction and/or bank fees or any applicable local/state/federal taxes. If your state requires sales tax, you are required to pay it. This is only an estimate. Please request an invoice to process your payment.

# Our commitment

## Our promise to you

We will provide easy-to-use, custom-fit solutions for your cemetery. Our team will work to rapidly deploy and implement those solutions. We will train you and your staff to adopt and use our software. We will provide industry-leading customer support to you, our partner. Our dedicated team will work daily to earn your business.

## 100% satisfaction

Your complete satisfaction is paramount to us. If you are unsatisfied, we request 30 days to attempt to find a resolution. If you are not 100% satisfied after 30 days, we will cancel your agreement upon request. In the event you cancel your agreement, we will not withhold your data. It is yours and will be given to you to use as you please.

## Our bylaws protect you

Cemsites company bylaws ensure protection of your data (and your rights to it) regardless of any circumstances within or related to the company and/or its leadership. As our partner, you will always have access to our software. You will always own your data regardless if you are a CemSites partner or not.

Agreed: \_\_\_\_\_  
Your company name

By: \_\_\_\_\_  
Your signature

\_\_\_\_\_  
Your name

\_\_\_\_\_  
Your title

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

Agreed: CemSites  
Our company name

By: \_\_\_\_\_  
Our representative's signature

Mark Anthony  
Our representative's name

Vice President of Sales  
Our representative's title

Date: 9/14/2021





# Liberty Chevrolet



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

October 12, 2021

Dear Mr. Mason,

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

- 2022 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                      \$35,886.00

Liberty Chevrolet, Inc.

90 Bay State Road • Wakefield, MA 01880 • Main 781-246-1919 • Fax 781-245-8987 • www.libertychevy.com

Available Factory Options:

QXT	LT265/70R17E All Terrain Radials	\$ 200.00
VYU	Factory Snow Plow Prep Package	\$ 300.00
5H1	Two Additional Keys	\$ 50.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
ZLQ	WT Fleet Convenience Package	\$ 1,400.00
GA0	Exterior Color Northsky Blue	

Additional Contract Options:

5044	Tomygate, 1300 Lbs Capacity Liftgate	\$ 4,675.00
5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5002	4' Black Tube Steps	\$ 770.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
-----	---------------------------------	-------------

Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2023-429-04		
Project Title:	Truck 2.2, 2022 Chevrolet K2500 Silverado 4x4 Pick Up Truck		
Category:	Equipment		
Department:	Public Grounds	Contact:	Mike Breen

**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:**

Replace the 2013 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 8 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 and plowing operations. This truck is used also to support disposal hauling of tree stumps, logs, large boulders and trailering equipment.

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

The existing 2-2 truck is used but is starting to show it's age. The cab and frame are rusted over 100,000 miles and it is coming to the end of it's life cycle. The truck must be replaced because it cannot support the heavy duty work load for which it is intended.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000.00 to the 2023 capital.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000	\$65,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
							<input type="checkbox"/> CPA
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<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>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

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



# Liberty Chevrolet



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

October 12, 2021

Dear Mr. Mason,

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

2022 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                      \$35,886.00

Liberty Chevrolet, Inc.

90 Bay State Road • Wakefield, MA 01880 • Main 781-246-1919 • Fax 781-245-8987 • www.libertychevy.com

Available Factory Options:

QXT	LT265/70R17E All Terrain Radials	\$ 200.00
VYU	Factory Snow Plow Prep Package	\$ 300.00
5H1	Two Additional Keys	\$ 50.00
JL1	Electronic Trailer Brake Controller	\$ 275.00
ZLQ	WT Fleet Convenience Package	\$ 1,400.00
GA0	Exterior Color Northsky Blue	

Additional Contract Options:

5044	Tomygate, 1300 Lbs Capacity Liftgate	\$ 4,675.00
5045	Upgrade Liftgate to Aluminum Platform	\$ 1,100.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5002	4' Black Tube Steps	\$ 770.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
	Adder for 2023 Model (5%)	\$ 2,822.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$59,258.00</b>

Alternate for Diesel Engine add:

L59	Duramax 6.6 Liter Diesel Engine	\$ 9,890.00
-----	---------------------------------	-------------

Since this pricing is for July of 2022, I would recommend addig 5% for the new model year. This increase is calculated and included in the quote 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: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2024-429-01
Project Title:	Metal Storage Building
Category:	Construction
Department: DPW Grounds	Contact: Mike Breen

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

                         Multiyear [ ]      Phase - Final

**Description:**

*Construct new storage building for storage of equipment. With the recent lost of the old Minot Fire Station Highway & Grounds are in need of storage space for seasonal equipment (mowers, chipper, wacker, etc..)*

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

*This building will provide much needed storage space to keep our equipment indoors to prevent wear and tear due to outside elements.*

**Discuss Operating Budget Impact:**

*This will extend the life of the equipment.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$153,230		\$153,230				<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>\$153,230</b>	<b>\$0</b>	<b>\$153,230</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>\$153,230</b>	<b>\$0</b>	<b>\$153,230</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					

Metal Building Cost

$$55 \times 34 \times 14$$

$$1870 \times 40.00 \text{ SF } \$63,580$$

Construction Cost

$$1870 \times 20.00 \text{ SF } 37,400$$

Foundation Cost

$$1870 \times 15.00 \text{ SF } 28,050$$

Cost Garage Doors 4200

Engineering, Scaffolding & Permits 20,000

Total \$153,230.00

**Wilmington Plant**

773 Salem St  
 Wilmington, MA  
 01887  
 (978) 658-2645

**Amesbury Plant**

87 Haverhill Rd  
 Amesbury, MA  
 01913  
 (978) 388-1509

**Rochester Plant**

153 Cranberry Hwy  
 Rochester, MA  
 02770  
 (508) 291-1314

**Nottingham Plant**

160 Old Turnpike Rd  
 Nottingham, NH  
 03290  
 (603) 942-5668


(<https://www.bigbuildingsdirect.com/>)

[METAL GARAGES \(HTTPS://WWW.BIGBUILDINGSDIRECT.COM/PRODUCT-CATEGORY/METAL-GARAGES/\)](https://www.bigbuildingsdirect.com/product-category/metal-garages/)

[METAL BARNs \(HTTPS://WWW.BIGBUILDINGSDIRECT.COM/PRODUCT-CATEGORY/METAL-BARNs/\)](https://www.bigbuildingsdirect.com/product-category/metal-barns/)

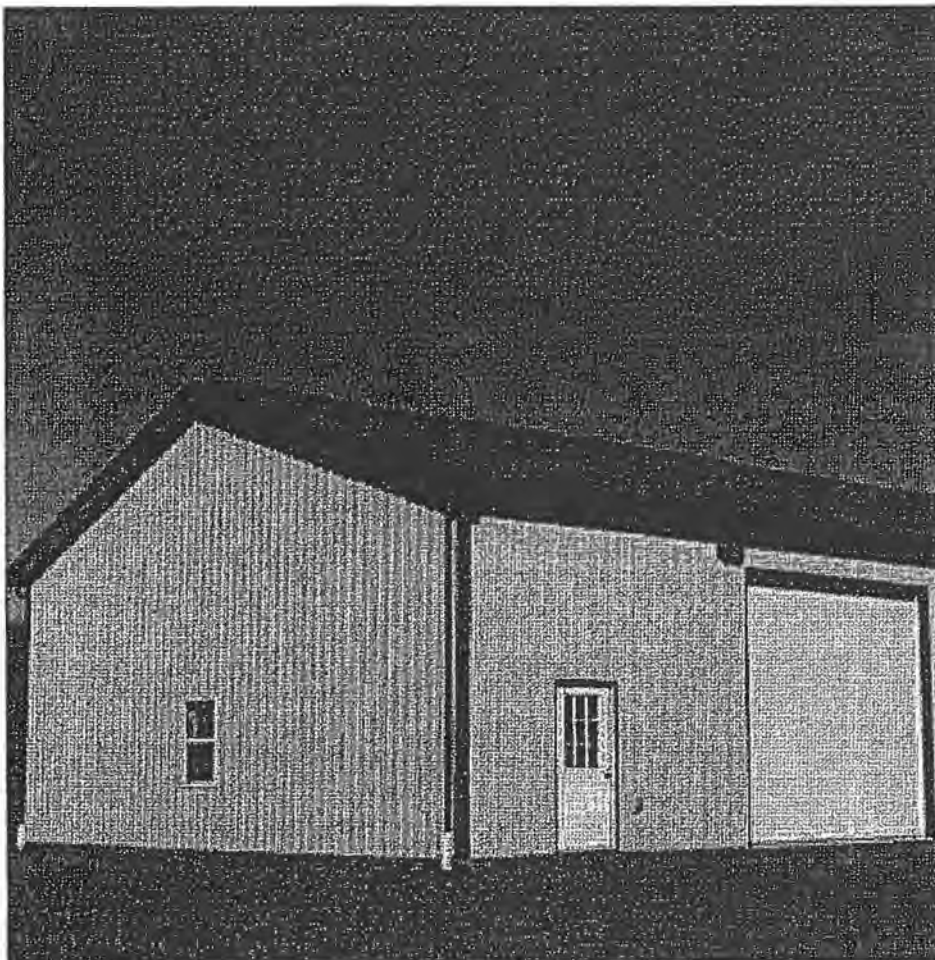
[COMMERCIAL BUILDINGS \(HTTPS://WWW.BIGBUILDINGSDIRECT.COM/PRODUCT-CATEGORY/COMMERCIAL-BUIL](https://www.bigbuildingsdirect.com/product-category/commercial-buildings/)

[PRICE YOUR BUILDING \(/PRICE-YOUR-BUILDING/\)](/price-your-building/)  
[CLICK HERE NOW \(/PRICE-YOUR-BUILDING/\)](/price-your-building/)

 [+1-800-244-4798 \(TEL:+1-800-244-4798\)](tel:+1-800-244-4798) **MORE X**  
[CALL SUPPORT NOW \(TEL:+1-800-244-4798\)](tel:+1-800-244-4798)

**Prices on the website are changing due to industry steel increase call us today at 1-800-244-4798 (tel:18002444798) for the latest price.**

---



**The Catalyst Commercial Garage**

24 55 14

**Call Now +1 (800) 244-4798 (tel:+1 (800) 244-4798)**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2024-429-02
Project Title:	New Trackless MT7
Category:	Equipment
Department: DPW Grounds	Contact: Mike Breen

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ ]

Multiyear [ ]      Phase - Final

**Description:**

*New Trackless multi-purpose Tractor with snow blower, v-plow & brine tank.*

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

*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 fitted with multiple attachments such as stump grinder etc..*

**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...).*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$159,622		\$159,622			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$159,622</b>	<b>\$0</b>	<b>\$159,622</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>\$159,622</b>	<b>\$0</b>	<b>\$159,622</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

QUOTE

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

Town of Scituate  
Department of Public Works  
600 Chief Justice Cushing Hwy  
Scituate, MA 02056  
Att George Mason Fleet Supervisor

Date:  
September 11, 2021

C. N. Wood is pleased to offer the following proposal through FAC 116 lawns and grounds equipment, parts and service contract.

1 New Trackless MT 7 multi-purpose Tractor with John Deere diesel tier 4 final engine, radial winter tires, air ride seat, am/fm/cd radio, back up alarm, oil pressure gauge, outside mirrors, license plate bracket, backup alarm, rear wiper and washer, power outlet 12 volt, battery disconnect switch, rear license plate bracket with light, painted yellow, 1 year warranty and all other standard equipment.

**STANDARD EQUIPMENT**

- Extra pump and valve
- Ride Control
- Air conditioner roof mount
- Locking differential
- Forward and reverse rocker
- Reversing fan

**SELLING PRICE** \$134,140.00

**OPTIONAL EQUIPMENT:**

51" Ribbon blower \$16,465.00

V-Plow complete \$4,802.00

Rear Brine tank spray bar  
and Brine pump kit \$4,215.00

**TOTAL SELLING PRICE** \$159,622.00

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

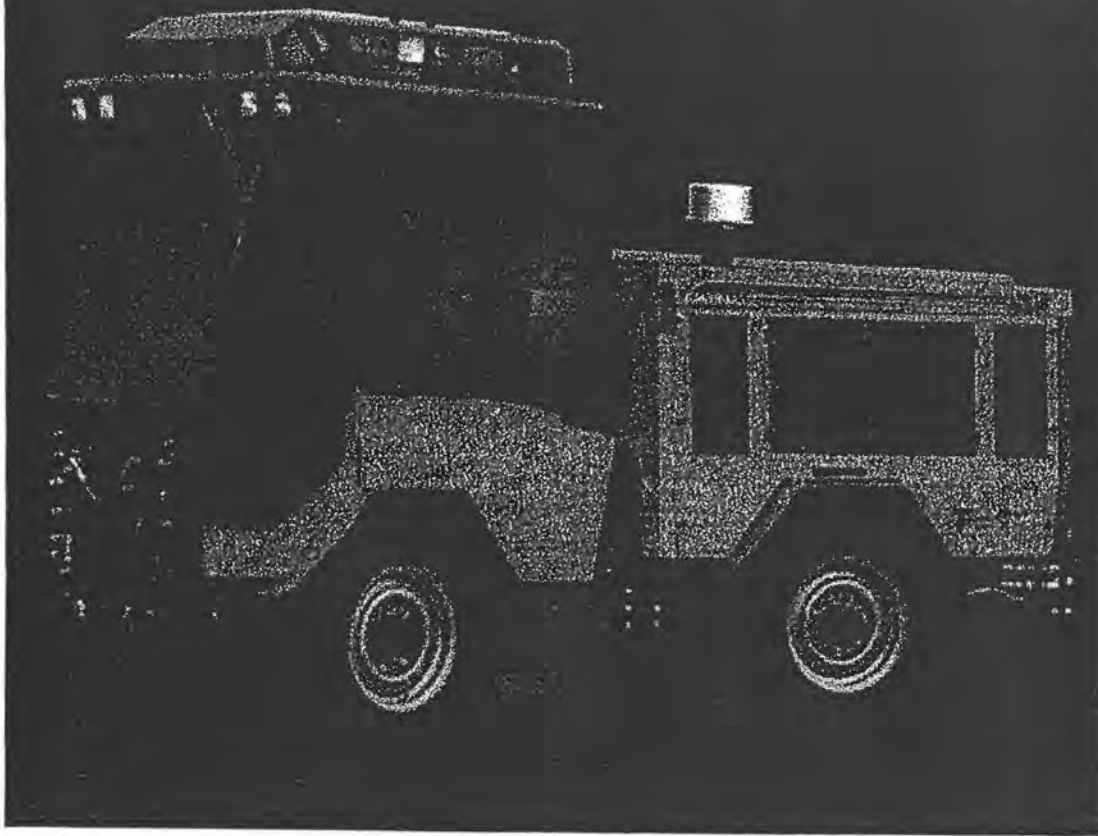
Best Regards,  
Stephen M. Russell  
Sales Representative

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.



# SERIES 7









# turf products

# QUOTE

157 Moody Road • PO Box 1200 • Enfield, CT 06082  
Main Office: (800) 243-4355 • FAX: (860) 763-5550

Prepared For: Mike Breen  
**Scituate DPW**  
600 Chief Justice Cushing Hwy  
Scituate, MA 02066

Ship To: Scituate DPW 7.3.21  
Quote Number: Q79874  
Quoted Date: **07/03/2021**  
Prepared By: Nathaniel Binns  
nbinns@turfproductscorp.com  
339-235-5189

Qty	Model #	Description	Award	Extended
3	107-0235-03	Atomic Blade (27 Inch)		
1	09200	ProCore 648	\$24,910.09	\$24,910.09
1	120-1046	Guard-Turf, 4 Tine, Long		
2	120-1045	Guard-Turf, 4 Tine, Short		
3	09796	4 Tine 3/4 Inch Head Set		
24	108-9260	Heavy Duty Side Eject 3/4 (5.75 Inch X .700 Inch)		

Toro Total:	\$24,910.09
Non - Toro Total:	\$0.00
Set Up:	\$0.00
Freight:	\$400.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
<b>Total Price:</b>	<b>\$25,310.09</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2018 - FY2022**

Date submitted: 11.11.16

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

Project Title: 2025-429-01  
 Truck 2-8, Medium Duty Truck  
 Category: Equipment  
 Department: Grounds Contact: Mike Brean/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 2-8 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 handles a plow and has a salting route and is used for day to day activity. If this truck is not replaced the Town will become more dependent on outside contractors at a greater cost and less reliability.

**Discuss Operating Budget Impact:**

The new truck will be an impact of \$65,000 to the 2019 capital.

**Recommended Financing**

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

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

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

# CENTRAL



Shipping 10.10.16 - schedule

June 21, 2016

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

Mr. Cafferty,

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

Plymouth County Bid Price: \$46,228.00

JC Madigan 9 Foot Dump \$ 7,695.00 - Also see options listed for Dump Body - add as desired.

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

\$54,292 Truck  
6,500 Plow

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

60,792  
x 1.05 Price Escalation

Sincerely,

\$ 63,831

Deborah Emery  
Fleet Manager

Total Cost ~ \$65,000.00

Central Chrysler Jeep Dodge & Kia  
Providence Hwy - 70 Providence Hwy  
Norwood, MA 02062  
781-762-2200 - 781-762-8100



Central Chrysler Jeep Dodge & Mitsubishi  
191 US Route 44  
Raynham, MA 02767 ✓  
508-823-0101

CENTRAL CHRYSLER DODGE JEEP RAM OF  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875448

Configuration Preview

Date Printed: 2016-06-23 9:46 AM VIN: Quantity: 1  
 Estimated Ship Date: VON: Status: BA - Pending order  
 FAN 1: 005MN PLYMOUTH COUNTY SHERIFF'S DEPT  
 FAN 2:  
 Client Code:  
 Bid Number: TB7088  
 PO Number:

Sold to: CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44786)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875448  
 Ship to: CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44786)  
 191 NEW STATE HWY  
 RAYNHAM, MA 027875448

Vehicle: 2017 5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 80 In) (DP0L63)

	Sales Code	Description	MSRP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.6 In WB - CA of 80 In)	40,785
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	1,800
Paint/Seat/Trim:	PBU	True Blue Pearl Coat	0
	APA	Monotone Paint	0
	*SX	Work Grade Vinyl 40/20/40 Benol Seat	225
	-XB	Black/Diesel Gray	0
Options:	XXS	Upsitter Electronic Module (VSIM)	248
	LBN	Power Take Off Prep	286
	AMP	Chrome Appearance Group	155
	4DH	Prepaid Holdback	0
	LNJ	Fog Lamps	140
	4ES	Delivery Allowance Credit	0
	ACE	Cold Weather Group	125
	MAF	Fleet Purchase Incentive	0
	AJH	Power and Remote Entry Group	850
	MRT	Chrome Tubular Slide Steps	350
	DK3	Elec Shift-On-The-Fly Transfer Case	270
	MJB	Chrome Body-side Molding	100
	ACL	DOT Certified Roadside Safety Kit	150
	T6B	Full Size Spare Tire	360
	AHD	Heavy Duty Snow Plow Prep Group	280
	XHC	Trailer Brake Control	285
	5N8	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
Total Price:			64,790

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

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

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

QUOTE :TOWN OF SCITUATE HWY. DEPT.

TO DEBBIE @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CU YD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED ONE COLOR WITH THE  
FOLLOWING ITEMS.

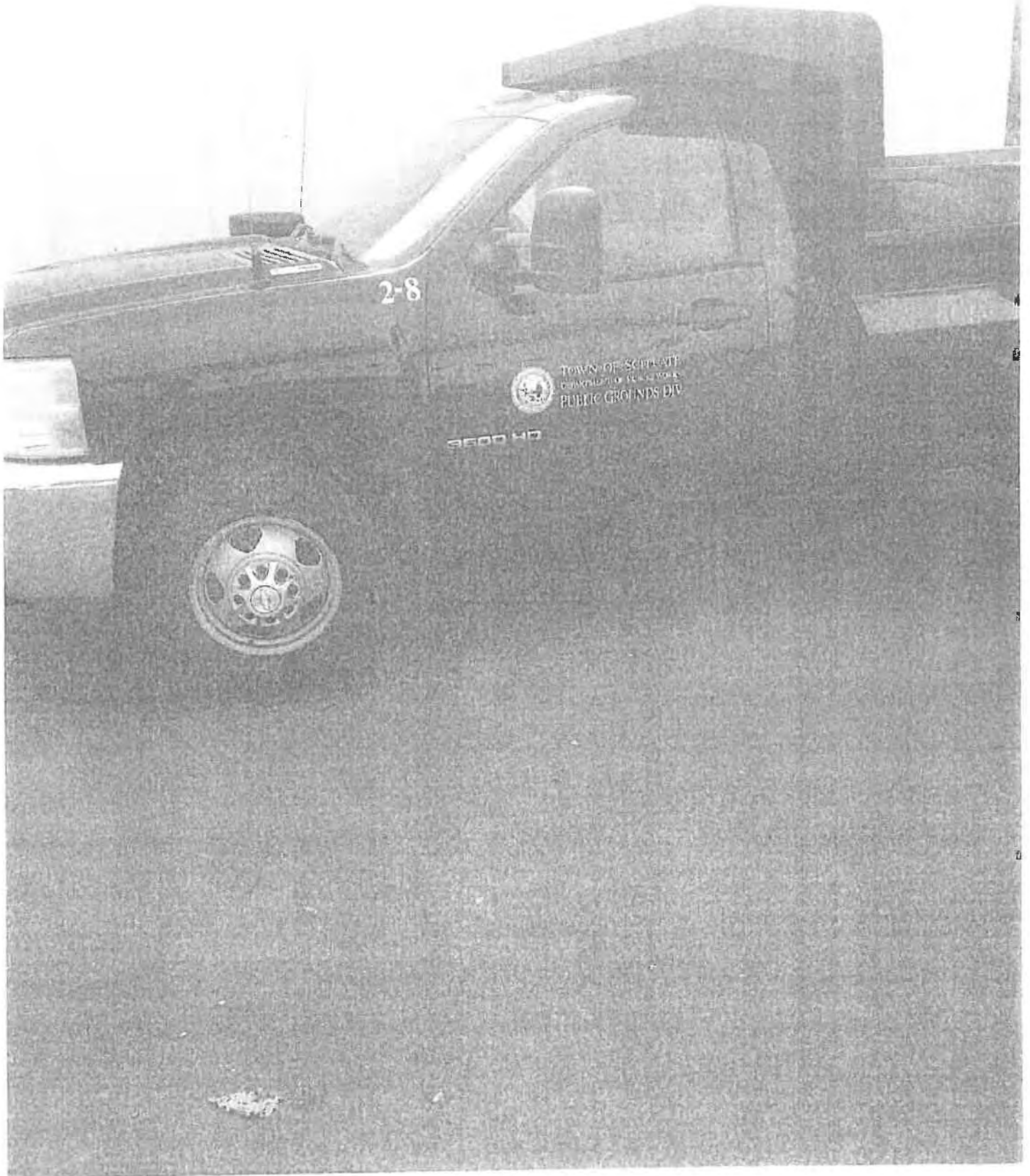
- A) 24" STEEL CABSHIELD W/ MESH SCREEN WINDOW
- B) PIONEER MANUAL TARPING SYSTEM
- C) AIR-FLO UNDERBODY HOIST ASSEMBLY
- D) ELECTRIC/HYDRAULICS W/ IN-CAB CONTROLS
- E) FRONT & REAR FLAPS @ REAR WHEELS / BACKUP & LIFT ALARMS
- F) SNAP-LATCH TAILGATE CLOSING MECHANISM

OPTIONS:

- 1) 30" STAINLESS BAWER TOOLBOX INSTALLED ADD \$650.00
- 2) PINTLE ASSEMBLY ADD \$550.00
- 3) REAR CORNER POST RECESSED FLASHERS ADD \$600.00

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

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





## TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

### Capital Improvement Program: FY2023 - FY2027

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2025-429-02		
Project Title:	Replace Toro Mower		
Category:	Equipment		
Department:	DPW Grounds	Contact:	Mike Breen

**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:**

*New large area mower to replace 2012 Toro deck mower. The 2012 mower is 9 years old and at the end of it useful life.*

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

*Lack of large area mowing would be an impact to the community*

**Discuss Operating Budget Impact:**

*Maintenance to the Toro deck mower is becoming increasingly expensive.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year						Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027		
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	\$139,500			\$139,500			<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>\$139,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$139,500</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA	
							<input type="checkbox"/> Grant(s) or Other	

Grant/CPA Amounts		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/> Open Space				
CPA Amount Requested	\$0	<input type="checkbox"/> Recreation				
<b>Net of CPA and Grants</b>	<b>\$139,500</b>	<input type="checkbox"/> Historical				
		<input type="checkbox"/> Housing				

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



# turf products

# QUOTE

157 Moody Road • PO Box 1200 • Enfield, CT 06082  
Main Office: (800) 243-4355 • FAX: (860) 763-5550

Prepared For: Mike Breen  
**TOWN OF SCITUATE / TOWN HALL**  
Attn: DPW, Christine Johnson; 600 Chief  
Justice Cushing Hwy SCITUATE,  
Massachusetts 2066 United States

Ship To: Scituate DPW 9.17.21  
Quote Number: Q86156  
Quoted Date: **09/17/2021**  
Prepared By: Nathaniel Binns  
nbinns@turfproductscorp.com  
339-235-5189

Qty	Model #	Description	Award	Extended
1	31699	Groundsmaster 5910 (T4)	\$126,485.84	\$126,485.84
1	44958	MVP Kit 1000 Hour (PX Hydraulic Fluid - September 12, 2018 And Up)		

Toro Total:	<b>\$139,134.42</b>
Non - Toro Total:	\$0.00
Set Up:	\$0.00
Freight:	\$0.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
<b>Total Price:</b>	<b>\$139,134.42</b>

**Budget number**

ALL PRICING IS VALID FOR 30 DAYS

1





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2026-429-01
Project Title:	Sweeper Star V72 Leaf & Debris Vacuum
Category:	Equipment
Department: Grounds	Contact: Mike Breen

**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:**

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 \$32,000 to the 2026 capital.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input type="checkbox"/> Capital Stabilization	
Construction	\$0						<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$32,000				\$32,000		<input type="checkbox"/> Revolving Fund	
Contingency	\$0						<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$32,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,000</b>	<b>\$0</b>		

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



www.norfolkpower.com  
info@norfolkpower.com

Ship To: SAME AS BELOW

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

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

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

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

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

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

**EQUIPMENT ESTIMATE - NOT AN INVOICE**

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/23/21

Date of Last Edit:

Project Number:	2027-429-01		
Project Title:	New Bucket Truck		
Category:	Equipment		
Department: Grounds	Contact:	Mike Breen	

**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:**

*Replace 2005 Bucket Truck. This truck is 22 years old rusted body and at the end of its useful life.*

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

*This truck is used for tree work, traffic light repair, banners and any work requiring more than 10 feet of elevation. Maintaining a vehicle of this age will become costly and dangerous to its operators.*

**Discuss Operating Budget Impact:**

*The request is for \$269,000 to the 2026 capital. Maintaining a vehicle of this age will become costly and dangerous to its operators.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$269,000					\$269,000	<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>\$269,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$269,000</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>\$269,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$269,000</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					



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 controls 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 Sqli
4EVH	BRAKE CHAMBERS, REAR AXLE {MGM TR3030LP3TSHD} 30/30 Sqli 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 Tilting
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 AVI160P2013} 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
	<u>Includes</u> : 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 1167 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>
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
13WWW	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
<b>Services Section:</b>	
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: FY2023 - FY2027**

Date submitted: 9/20/18

Date of Last Edit:

Project Number:	2027-429-03		
Project Title:	Road Sidewalk		
Category:	Construction-walkway improvement at Town Hall		
Department:	Grounds	Contact:	Mike Breen/Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New	<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				
		2023	2024	2025	2026	2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$35,000					\$35,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</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>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>

CPA Purpose(s) Check all that apply	
<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 Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
76	Beach Improvements*	2023-123-01	DPW - Foreshore Protection	2023	GF	\$ 100,000	
<b>Total FY2023-2027</b>						<b>\$ 100,000</b>	

\*Appearing for the first time on the plan



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2023-123-01
Project Title:	Beach Improvements
Category:	Construction
Department: DPW/TA/SB	Contact: Jim Boudreau, Town Administrator

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ ]      Phase - Final

**Description:**

*To provide funding to address ADA compliance at the town beaches as identified in the 2019 ADA Transition Plan totaling \$53,865. Additional funding for stair repairs, replacement of damaged/broken beach gates and/or other repairs/equipment needed to provide safe and accessible access to these amenities. Future projects to be identified by the Beach Commission.*

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

*To continue the work already done for ADA and safety including the mobi-mats and new parking lots funded with Community Preservation and Beach Revolving Funds. These improvements make the amenities of the town available to all residents.*

**Discuss Operating Budget Impact:**

*Depending on weather conditions and impact on certain beaches, some repairs and/or improvements may require additional support to maintain.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$100,000	\$100,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input checked="" type="checkbox"/> Revolving Fund
TOTAL	\$100,000	\$100,000	\$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	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	

**Operating Budget Impact**

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

Open Space

Recreation

Historical

Housing

**Facility Name :** Driftway Park / Town Launching Ramp - Driftway

**Date of Inspection :** 5/25/2019

Record Number : 65666  
Category : Trails  
Location : Exterior  
Description : Memorial Trail  
Finding : Trail surface is not firm and stable.  
Recommendation : Provide a compliant surface that is firm and stable.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$0.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

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Record Number : 65667  
Category : Trails  
Location : Exterior  
Description : Memorial Trail  
Finding : Trail tread width is not compliant.  
Recommendation : Provide a compliant trail tread width at the specified segment.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$0.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

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Record Number : 61757  
Category : Path of Travel  
Location : Exterior  
Description : Path of Travel to the Beach  
Finding : The path of travel is grass, dirt, or gravel, preventing access to individuals with mobility impairments.  
Recommendation : Provide an accessible route.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,840.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

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**Facility Name :** Humarock Beach - Marshal Avenue & 6 Central Avenue

**Date of Inspection :** 5/20/2019

Record Number : 62159

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : There are not enough accessible parking spaces marked in the parking lot and therefore does not meet the minimum number required.

Recommendation : Re-stripe any existing parking spaces marked accessible and create additional accessible parking spaces. Designate one parking space as "van-accessible".

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$370.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

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Record Number : 62160

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : Parking is provided off-street to the public and/or employees at this location, though the parking lot surface is dirt or gravel and non-accessible. The parking lot can provide parking spaces.

Recommendation : Stripe parking spaces with an appropriate number of accessible parking spaces.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$1,611.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

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**Facility Name :** Humarock Beach - Marshal Avenue & 6 Central Avenue

**Date of Inspection :** 5/20/2019

Record Number : 62155

Category : Passenger Loading Zones

Location : Exterior

Description : Passenger Loading Zone

Finding : There is no required striped access aisle adjacent to the passenger loading zone.

Recommendation : Create an access aisle to meet the required minimum width and length adjacent and parallel to the vehicle pull-up space. The access aisle striping for the passenger loading zone shall provide immediate access to an adjacent curb ramp or primary path of travel.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$650.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

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Record Number : 62156

Category : Passenger Loading Zones

Location : Exterior

Description : Passenger Loading Zone

Finding : Passenger loading zone has no sign.

Recommendation : Mark the passenger loading zone with ISA symbol of accessibility.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$220.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

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**Facility Name :** Humarock Beach - Marshal Avenue & 6 Central Avenue

**Date of Inspection :** 5/20/2019

Record Number : 62158  
Category : Path of Travel  
Location : Exterior  
Description : Path from the Accessible Spaces  
Finding : There are cross slopes greater than allowed on the primary path of travel.  
Recommendation : Provide a compliant path of travel.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$3,600.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

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Record Number : 62165  
Category : Path of Travel  
Location : Exterior  
Description : Path from Marshfield Avenue  
Finding : The path of travel is grass, dirt, or gravel, preventing access to individuals with mobility impairments.  
Recommendation : Provide an accessible route.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,840.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62166  
Category : Path of Travel  
Location : Exterior  
Description : Path from Marshfield Avenue  
Finding : There is a curb on the designated path of travel.  
Recommendation : Provide a compliant curb ramp.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$2,500.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

**Facility Name :** Humarock Beach - Marshal Avenue & 6 Central Avenue

**Date of Inspection :** 5/20/2019

Record Number : 62157  
Category : Signage  
Location : Exterior  
Description : Directional Signage from Marshfield Avenue  
Finding : There is no directional signage.  
Recommendation : Install directional signage to each accessible element or room.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$158.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62167  
Category : Reach Ranges  
Location : Exterior  
Description : Beach  
Finding : The element is not located on the accessible route.  
Recommendation : The element must be located on the accessible route.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,260.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 67902  
Category : Parking  
Location : Exterior  
Description : Upper Parking Lot  
Finding : Parking space signage contains the word handicap.  
Recommendation : Provide compliant signage. Remove the word handicap.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$300.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---



**Facility Name :** Mann Hill Beach - Mann Hill Road

**Date of Inspection :** 5/20/2019

Record Number : 63194

Category : Path of Travel

Location : Exterior

Description : Path from Mann Hill Road

Finding : There is no compliant accessible route from the public right of way to the accessible entrance of the facility.

Recommendation : Provide at least one accessible route from the public right of way to the accessible entrance of the facility. Make certain to post signage indicating the direction to accessible building entrances at every major junction along the accessible route. Signs shall include the International Symbol of Accessibility.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$1,840.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62169

Category : Path of Travel

Location : Exterior

Description : Path to Beach

Finding : The path of travel is grass, dirt, or gravel, preventing access to individuals with mobility impairments.

Recommendation : Provide an accessible route.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$1,840.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

**Facility Name :** Minot Beach - 76 Glades Road & Bailey Causeway

**Date of Inspection :** 5/20/2019

Record Number : 66082  
Category : Signage  
Location : Interior  
Description : Main Entrance  
Finding : There is no room signage.  
Recommendation : Install accessible room signage.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$158.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62171  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : There is no device at the head of the general parking spaces to prevent vehicles from encroaching into walkways.  
Recommendation : Install a wheel stop at the head of the general parking spaces.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$148.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62172  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : The surface of the accessible parking space has a slope greater than allowed.  
Recommendation : Pave the parking lot to provide a level surface.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$3,800.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

**Facility Name :** Minot Beach - 76 Glades Road & Bailey Causeway

**Date of Inspection :** 5/20/2019

Record Number : 62173

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : There is no device at the head of the accessible parking space to prevent vehicles from encroaching into accessible aisles or walkways.

Recommendation : Install a wheel stop at the head of the accessible parking space.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$250.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62174

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : The bottom edge of the wall-mounted signage designating accessible parking is not at the required height.

Recommendation : Remount the wall-mounted signage designating the accessible parking space so that it is installed at the required height. The sign shall be located so that it cannot be obscured by a vehicle parked in the space.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$158.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62218

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : There is no device at the head of the general parking spaces to prevent vehicles from encroaching into walkways.

Recommendation : Install a wheel stop at the head of the general parking spaces.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$148.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62219

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : The surface of the accessible parking space has a slope greater than allowed.

Recommendation : Pave the parking lot to provide a level surface.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$3,800.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62220  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : There is no device at the head of the accessible parking space to prevent vehicles from encroaching into accessible aisles or walkways.  
Recommendation : Install a wheel stop at the head of the accessible parking space.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$250.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62221  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : Parking space signage contains the word handicap.  
Recommendation : Provide compliant signage. Remove the word handicap.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$300.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62222  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : There is no additional signage marked "van accessible" at the van accessible parking space.  
Recommendation : Van accessible parking spaces shall provide additional signage that states "van accessible".  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$250.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62223

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : The access aisle exceeds maximum slope.

Recommendation : Pave the parking lot to provide a level surface.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$3,800.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62224

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : The surface of the accessible parking space has a slope greater than allowed.

Recommendation : Pave the parking lot to provide a level surface.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$3,800.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62225

Category : Parking

Location : Exterior

Description : Parking Lot

Finding : There is no device at the head of the accessible parking space to prevent vehicles from encroaching into accessible aisles or walkways.

Recommendation : Install a wheel stop at the head of the accessible parking space.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$250.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62226  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : Parking space signage contains the word handicap.  
Recommendation : Provide compliant signage. Remove the word handicap.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$300.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62227  
Category : Parking  
Location : Exterior  
Description : Parking Lot  
Finding : The location of the accessible parking spaces requires individuals with disabilities to travel behind parked cars other than their own.  
Recommendation : Stripe an access aisle at the head of the accessible parking spaces, install a wheel stop at the head of the accessible parking spaces and at the general parking spaces. Wheel stops shall be used to prevent vehicles from encroaching into access aisles or walkways, but shall not present additional encroachment into those areas.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,100.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62230  
Category : Path of Travel  
Location : Exterior  
Description : Path from the Public Right of Way - Turner Road  
Finding : There is no compliant accessible route from the public right of way to the accessible entrance of the facility.  
Recommendation : Provide at least one accessible route from the public right of way to the accessible entrance of the facility. Make certain to post signage indicating the direction to accessible building entrances at every major junction along the accessible route. Signs shall include the International Symbol of Accessibility.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,840.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62231  
Category : Path of Travel  
Location : Exterior  
Description : Path from the Accessible Spaces to Beach  
Finding : There are slopes greater than allowed maximum slope on the primary path of travel.  
Recommendation : Provide a compliant path of travel.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$3,600.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---



**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62232  
Category : Path of Travel  
Location : Exterior  
Description : Path from the Accessible Spaces to Beach  
Finding : There is a change in elevation greater than recommended value.  
Recommendation : Ensure that the change in elevation is within the recommended value.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$150.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62216  
Category : Stairs  
Location : Exterior  
Description : Right Stairs to Beach  
Finding : There are no handrails provided on the stairway.  
Recommendation : Provide compliant handrails.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,528.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

Record Number : 62228  
Category : Stairs  
Location : Exterior  
Description : Left Stairs to Beach  
Finding : There are no handrails provided on the stairway.  
Recommendation : Provide compliant handrails.  
Progress : None  
Resolution : None  
Projected Date : Completed Date : Priority : None  
Estimated Cost : \$1,528.00 Actual Cost : \$0.00  
Contractor: Designated Staff:  
Comments : No Comments

---

**Facility Name :** Sand Hills Beach - 192 Turner Road

**Date of Inspection :** 5/20/2019

Record Number : 62229

Category : Stairs

Location : Exterior

Description : Left Stairs to Beach

Finding : The height of the risers are not uniform.

Recommendation : Modify or replace the stairs to provide uniform riser height.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$8,520.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Record Number : 62217

Category : Signage

Location : Exterior

Description : Directional Signage from the Public Right of Way

Finding : There is no directional signage.

Recommendation : Install directional signage to each accessible element or room.

Progress : None

Resolution : None

Projected Date : Completed Date : Priority : None

Estimated Cost : \$158.00 Actual Cost : \$0.00

Contractor: Designated Staff:

Comments : No Comments

---

Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
39	Network Switches	2023-155-01	Information Technology	2023	GF	\$ 112,000	
10	Feasibility Study for Municipal Fiberoptic Network*	2023-155-02	Information Technology	2023	GF	\$ 63,360	
<b>Total FY2023-2027</b>						<b>\$ 175,360</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1155919	589000	19S32	INFO TECH UPGRADES & LICENSING	42,939.80
1155920	589000	20N75	PERMITTING SYSTEM	111,140.00
1155920	589000	20A3P	SIMPLIVITY DATA INFRASTRUCT	28,896.79
1155921	589000	21A3M	PHONE SYSTEM EXPANSION	55,000.00
<b>General Fund - IT Dept Total</b>				<b>237,976.59</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 10/15/20

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

Project Number:	2023-155-01
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          Recurring          Resubmission   

Multiyear          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				
		FY2023	FY2024	FY2025	FY2026	FY2027
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>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/24/21

Project Number:	2023-155-02
Project Title:	Feasibility Study for a Municipal Fiberoptic Network
Category:	Study
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 - Final	

**Description:**

This is for a study to be done to determine the feasibility of implementing a municipal fiberoptic network to the Town's residential households and businesses, for the purpose of providing an open network which will allow residents and businesses to choose their own Internet Service Provider in a competitive marketplace. The study includes: Strategy Development, Business Model Development, Market Analysis, Financial and Feasibility Analysis, Risk Analysis, Education re. industry, Broadband Plan & Feasibility Report, Next Steps Following Adoption of Broadband Master Plan, and Prep for Grant Opportunities. The cost of this project also include funds for consulting services to guide the Town through the various phases from analyzing the results of the feasibility study, creating the specifications for RFP's, preparing RFP's for the project, and compiling the results of the RFPs.

The timeline for this portion of the project would be upon funding through the following town meeting.

The stakeholders for this project are the residents and businesses of the Town. This project is not specifically associated with an existing town department.

The study would be to determine the feasibility of a project which would have an expected useful life of 50 to 100 years.

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

This study will look to see if a municipal fiberoptic network can provide alternative options for the residents to purchase Internet access from, and drive the cost of internet access down for the residents and businesses in town, while simultaneously increasing internet speeds and providing symmetrical bandwidth for uploading and downloading, as has been done in other communities across the nation.

This project will create competition for the Town's current sole provider of highspeed internet, and is intended to breakup the current monopoly on internet access. Without this, the Town will miss another opportunity to provide residents with an alternative provider, and lower cost internet access that is symmetrical, does not have

**Discuss Operating Budget Impact:**

The proposed feasibility study does not have any operating budget impact.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$52,800	\$52,800					<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 checked="" type="checkbox"/> Capital Stabilization
Contingency	\$10,560	\$10,560					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$63,360</b>	<b>\$63,360</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>\$63,360</b>	<b>\$63,360</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s)  
Check all that apply

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

Feasibility Study	\$25,000
Owners Project Manager	\$22,800
Related Expenses	\$5,000
	<u>\$52,800</u>
20% Contingency	<u>\$10,560</u>
	\$63,360



Town of Scituate  
**Capital Plan - FY 2023-2027**  
Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
23	Replace 2010 Command Vehicle	2023-220-01	Fire	2023	GF	\$ 65,000	
55	Replace Zoll monitors (2)	2023-220-02	Fire	2023	GF	\$ 50,000	
53	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	
21	Replace Dive Truck	2026-220-02	Fire	2026	GF	\$ 60,000	
26	Upgrade Jaws of Life Tools (? If capital)	2027-220-01	Fire	2027	GF	\$ 28,000	
<b>Total FY2023-2027</b>						<b>\$ 1,323,910</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1220918	589000	18A3N	Communications Equip Stn 1&4	1,138.95
1220919	589000	19A3E	HUMAROCK FIRE STN RENOVATION	51,993.30
1220920	589000	20N72	FIRE STN #1 OVRHD DOORS	3,224.49
1220921	589000	21A3L	REFURBISH 2006 RESCUE PUMPER	70,000.00
<b>General Fund - Fire Dept Total</b>				<b>126,356.74</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



## TOWN OF SCITUATE CAPITAL PROJECT SUBMISSION

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/24/21

Project Number:	2023-220-01		
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 127,000 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 FY23 this vehicle will be 13 years old with an estimated 130,000 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. My mechanic has informed me if not replaced soon the engine will need to be replaced.

**Discuss Operating Budget Impact:**

Vehicles over 13 years old in excess of 130,000 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 \$60,690 for the vehicle and associated equipment. The radios, antennas, and licensing will be \$4,000. Total cost estimate is \$64,690, requesting \$65,000.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$65,000	\$65,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

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

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



# Estimate

Date: 9/22/2021

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	\$ 34,092.00	\$ 34,092.00
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 IONs, 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>	\$ 39,467.50
		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 Requirments	<b>Grand Total</b>	\$ 60,690.40
		Actual Cost May Change Once Project Elements are Finalized		

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21 Date of Last Edit: 9/24/21

Project Number:	2023-220-02		
Project Title:	Replace 2 aging Zoll Monitors		
Category:	Equipment Replacement		
Department:	Fire Dept.	Contact:	Chief John Murphy

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

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

**Description:**

We are requesting funding to replace two aging Zoll defibrillator monitors. The two monitors needing replacement are in excess of the recommended lifespan of these critical EMS tools. We have been offered a generous trade for our aging monitors to make this purchase very cost effective.

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

*By going beyond the recommended lifespan of this lifesaving equipment could create a failure at a medical scene when this equipment is vital at potentially saving someone's life. Aging equipment is always in jeopardy of mechanical failure and costly to maintain.*

**Discuss Operating Budget Impact:**

The current warranties we have on all of our Zoll monitors are for annual preventive maintenance only. It would be costly to repair these units when significant breakdown or damage occurs. This repair cost would come from my annual operating budget which does not allow for costly EMS repairs. These repairs could be ongoing once they reach their anticipated lifespan.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$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>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						



**ZOLL Medical Corporation**

Worldwide Headquarters  
269 Mill Road  
Chelmsford, Massachusetts 01824-4105  
U.S.A.

978 421-9655  
978 421-0025 Main Fax

Chief John Murphy  
Scituate Fire Department  
Scituate Public Safety Complex  
800 Chief Justice Cushing HWY  
Scituate, MA 02066

23 September, 2021

Dear Chief Murphy,

In the replacement purchase of Advanced Life Support ZOLL X-Series monitors you are reviewing at present, I am including the following information: Your present fleet consists of 5 ZOLL X-Series, with the two oldest being manufactured in 2012 and 2014. The serial numbers are below:

AR17H026104  
AR17H026112  
AR12F001262  
AR14H009464  
AR20L053647

ZOLL recommends that ALS monitors be replaced after 7-8 years. There are several practical reasons for this, including the industry standard of guaranteeing that subcomponents needed to repair this equipment are only guaranteed by our supply chain partners for this period of time of 7-8 years. Most monitors have eclipsed 10,000 uses at this point and have paid for themselves several times over.

Using Mass State Contract FIR04 pricing, and trade values we will assign, we can guarantee delivery of 2 new X-Series with 2 years of warranty each at or below \$50,000.

ZOLL is a Massachusetts based worldwide manufacturer of cardiac resuscitation products.

We are grateful to be partnered with Scituate Fire, and look forward to working with you in any and all ways possible.

Respectfully,

Peter M. Mastromatteo  
Sr. Account Executive  
EMS Sales Northeast Region  
339 440-0058 cell



**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

**TO: Scituate Fire Rescue**  
 149 First Parish Road  
 Scituate, MA 02066-4098

**Attn: Louis Zaccaria, EMS Coordinator**

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

**QUOTATION 397756 V:1**

**DATE:** September 23, 2021

**TERMS:** Net 30 Days

**FOB:** Destination

**FREIGHT:** Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
1	601-2221011-01	<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 Pacng Technology:</b></p>	2	\$38,393.25	\$30,565.50	\$61,131.00 *

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 ADDITIONAL.
4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL.
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TO: **Scituate Fire Rescue**  
 149 First Parish Road  
 Scituate, MA 02066-4098

Attn: **Louis Zaccaria, EMS Coordinator**

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

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 FEDERAL ID#: 04-2711626

**QUOTATION 397756 V:1**

DATE: September 23, 2021

TERMS: Net 30 Days

FOB: Destination

FREIGHT: Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
		<b>Masimo Pulse Oximetry</b>  <b>SP02</b> <ul style="list-style-type: none"> <li>Signal Extraction Technology (SET)</li> <li>Rainbow SET</li> </ul> <b>NIBP Welch Allyn Includes:</b> <ul style="list-style-type: none"> <li>Smartcuff 10 foot Dual Lumen hose</li> <li>SureBP Reusable Adult Medium Cuff</li> </ul> <b>End Tidal Carbon Dioxide monitoring (ETCO2)</b> <b>Oridion Microstream Technology:</b> Order required Microstream tubing sets separately  <b>Interpretative 12- Lead ECG:</b> <ul style="list-style-type: none"> <li>12-Lead one step ECG cable- includes 4- Lead limb lead cable and removable precordial 6- Lead set</li> </ul>				
2	8 0 0 0 - 0 5 8 0 - 0 1	Six hour rechargeable Smart battery	2	\$519.75	\$405.90	\$811.80 *
3	8 0 0 0 - 0 8 9 5	Cuff Kit with Welch Allyn Small Adult, Large Adult and Thigh Cuffs	2	\$157.50	\$129.15	\$258.30 *

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**QUOTATION 397756 V:1**

**DATE:** September 23, 2021

**TERMS:** Net 30 Days

**FOB:** Destination

**FREIGHT:** Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
4	8778-89011-PP	Precision Service Plan, 1 Year, On-Site. Includes: Annual preventive maintenance, 24% discount on new cables, 24% discount on lithium SurePower Batteries, discount on parameter upgrades, and parts & labor on normal wear and tear. Shipping and use of a Service Loaner during repairs, no charge shipping. Extended warranty is a continuation of the EMS One Year Product Limited Warranty.	2	\$1,595.00	\$1,436.00	\$2,872.00
5	6008-9901	ZOLL EMS X Series Trade-In	2		(\$7,537.00)	(\$15,074.00) **

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**QUOTATION 397756 V:1**

DATE: September 23, 2021

TERMS: Net 30 Days

FOB: Destination

FREIGHT: Free Freight

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
		<p><b>**Trade-In Value valid if all equipment purchased is in good operational and cosmetic condition, and includes all standard accessories. Customer assumes responsibility for shipping trade-in equipment to ZOLL Chelmsford within 60 days of receipt of new equipment. Customer agrees to pay cash value for trade-in equipment not shipped to ZOLL on a timely basis.</b></p> <p><b>*Reflects State Of MA Contract No. FIR04. Expiration 12/31/21.</b></p>				
<b>TOTAL</b>						<b>\$49,999.10</b>

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

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

Respectfully Submitted,

*Mark C. Hooper*

Mark C. Hooper  
President



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2021-FY2025**

Date submitted: 9/27/18

Date of Last Edit:

Project Number:	2025-220-1		
Project Title:	Fire Rescue/Pumper Replacement		
Category:	Vehicle Replacement		
Department:	Fire Dept.	Contact:	Fire Chief John Murphy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ ]      Phase 2 of 2

**Description:**

*This 1995 reserve rescue/pumper will be 28 years old in FY24. NFPA 1710 recommends all Recue Pumpers be replaced on a 20 year cycle. This pumper has been utilized as a front line pumper for 17 years & will be a reserve pumper 11 years by FY24, is antiquated compared to current standards. We currently carry three front line pumpers with two in reserve. There are multiple times each year these reserve pumpers are in use usually due to simultaneous maintenance issues of our front line apparatus. All five pumpers are put into frontline service during any significant event or storm.*

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

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

**Discuss Operating Budget Impact:**

*The request is to funding a new Rescue/Pumper in FY24. The total estimate of the Rescue Pumper & equipment is \$594,660. This will likely come from the GF. We have applied for Rescue Pumper grants & will continue to do so. Our recent purchase contract for just under \$530,000 with a 2.5% increase annually came to \$594,660.*

**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	\$594,660				\$594,660		<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>\$594,660</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$594,660</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>\$594,660</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$594,660</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: 10/14/20

Date of Last Edit:

Project Number:	2026-220-1	
Project title	Replace Fire Gear	
Category	Equipment Replacement	
Department	Fire Dept.	Chief John Murphy

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]      phase 1 of 1

**Description:**

The Scituate Fire Department is requesting capital funds to replace all of our fire gear in FY26. The current fire gear was replaced in FY16, NFPA recommends a maximum of 10 years use for fire gear.

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

If this gear is not replaced we exceed the NFPA recommended lifespan of fire gear which could result in equipment failure and potential liability.

**Discuss Operating Budget Impact:**

The replacement of the gear will reduce repairs necessary as the fire gear ages. As the gear ages it is more susceptible to wear and tear resulting in costly repairs. After each fire we mandate this gear be cleaned with heavy duty machines we obtained through grants. This ongoing gear washing reduces the potential spread of cancer but the machine agitators could increase wear on the gear. The replacement cost for each set of gear is estimated to be \$3000 per set in FY26. Current cost is approximately \$2700 each.

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



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-T-Blk-...	LTO36QDTB - LTO 36QD Tails Black MASCIT00049 06/12/18 LTOTOS36B 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
TOTAL	\$60,000	\$0	\$0	\$0	\$0	\$60,000	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

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

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

2015 Retail Isuzu NPR HD DSL REG AT

**SELECTED MODEL & OPTIONS**

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

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

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

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

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

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

**CATEGORY**

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

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

GM AutoBook, Data Version: 360.0, Data updated 11/11/2014  
 © Copyright 1986-2012 Chrome Data Solutions, LP. All rights reserved.  
 Customer File:

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

## 2015 Retail Isuzu NPR HD DSL REG AT

### SELECTED MODEL & OPTIONS

WARNING - THIS VEHICLE IS NOT YET COMPLETELY CONFIGURED

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

#### CATEGORY

Code	Description	MSRP
<b>ENGINE</b>		
11B	4HK1-TC, DIESEL ENGINE 317 CID (5.19L), 215 HP AT 2550 RPM: 452 FT-LB GROSS TORQUE AT 1850 RPM. 4 CYLINDER, 16 VALVE, FOUR CYCLE, OVERHEAD CAM, TURBOCHARGED, INTER-COOLED, WATER COOLED EGR VALVE, DIRECT INJECTION, ELECTRONICALLY CONTROLLED COMMON RAIL FUEL SYSTEM AND ENGINE CRUISE CONTROL. Oil level check switch and light. Engine Warning system with audible warning for low oil pressure, high coolant temperature, and low coolant level. Rear engine cover. (STD)	INC
<b>TRANSMISSION</b>		
1R7	TRANSMISSION, AUTOMATIC, AISIN A465 6-SPEED. Ratios: 3.742, 2.003, 1.343, 1.000, 0.773, 0.634, Rev 3.539 (STD)	INC
<b>AXLE</b>		
005	REAR AXLE RATIO, 4.56:1 (STD)	INC
<b>WHEELBASE</b>		
1B1	WHEELBASE, 150" (381.0 CM) includes ladder type channel frame. Full C section straight frame 33.5 inches (85.1 cm) wide. Yield strength 44,000 psi, section modulus 7.20 cu. in. and RBM 316,800 lb-ft/in per rail. (STD)	INC
<b>FRONT TIRES</b>		
15H/169	FRONT TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)	INC
<b>REAR TIRES</b>		
15H/134	REAR TIRES, 215/85R16E (10 PLY) TUBELESS RADIAL, ALL SEASON (STD)	INC
<b>PAINT SCHEME</b>		
ZY1	SOLID PAINT (STD)	INC
<b>SEAT TRIM</b>		
*34C	VERY DARK PEWTER, TRICOT & JERSEY KNIT COMBINATION CLOTH SEAT TRIM (STD)	INC
<b>REQUIRED OPTION</b>		

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:**  
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Kingston, MA 02364  
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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**

<b><u>Code</u></b>	<b><u>Description</u></b>	<b><u>MSRP</u></b>
<b>REQUIRED OPTION</b>		
I3H	DEF FILL CHARGE	\$10.00
C60	AIR CONDITIONING	\$1,272.00
<b>ADDITIONAL OPTIONS</b>		
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:

November 18, 2014 3:42:38 PM

Page 3

Prepared By:  
Sid Dailey  
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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 PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/24/21

Project Number:	2027-220-01		
Project Title:	Upgrade Jaws of Life Tools		
Category:	Equipment 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:**

Requesting funding to upgrade our jaws of Life tools for our frontline apparatus. Currently two of our sets of jaws of life are in excess of 20 years old and run off gasoline engines. They also require hydraulic hoses that are lengthy, prone to leakage, and aging. The addition of ethanol to our gasoline can present problems when it becomes stagnant in our equipment that is not used on a steady basis.

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

*If not funded we continue to use the current aging and antiquated life safety equipment with the challenges mentioned above. The new Jaws of Life tools run off battery and do not require hydraulic hoses and gasoline engines. They are easier to handle and are much stronger than the older gas models.*

**Discuss Operating Budget Impact:**

*As with any aging equipment these tools require maintenance and repairs. As they get older these cost will increase. There are many more components that can go wrong with the older models as mentioned above. If breakdowns occur the repairs will need to come from my annual budget.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$28,000					\$28,000	<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>\$28,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,000</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>		<b>\$0</b>	<b>\$28,000</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



# FIREMATIC SUPPLY CO., INC.

23 Birch Street, Milford, Mass. 01757  
 Phone: 978-815-5181 FAX: (978) 422-9621  
 pcavaliere@firematic.com  
 WebSite: www.firematic.com

**Quote**



DATE 9/24/2021	PAGE 1
QUOTE NUMBER QT86694	
EXPIRE DATE 10/24/2021	

<b>Quoted To</b>	LT Eric Norlin SCITUATE FIRE DEPT 149 FIRST PARISH ROAD SCITUATE, MA 02066
------------------	---

<b>Ship To</b>	Scituate Fire Dept. 149 FIRST PARISH ROAD SCITUATE, MA 02066
----------------	--

CUSTOMER NO. 3355	CONTRACT NO. FIR-04	PHONE NO. (781)545-8748	SALESPERSON PETE CAVALIERI	CUSTOMER PO. NO.
----------------------	------------------------	----------------------------	-------------------------------	------------------

LINE NO.	ITEM NUMBER	DESCRIPTION	QTY ORDERED	UNIT PRICE	EXTENDED PRICE
1	HUR273049000	SC 758E2 COMBI PACKAGE W/CHARGER & 2 EXL BATTERIES	2	13,701.00	27,402.00

**Comments** PRICING CONFORMS WITH THE MASS. STATE CONTRACT FIR04.

**By:** PETE CAVALIERI

**Town of Scituate**  
**Capital Plan - FY 2023-2027**  
**Sorted by Department, Year & Project Number**

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
50	Ballistic Vests*	2023-210-01	Police	2023	GF	\$ 92,767	
24	Automated License Plate Reader & Parking Management System*	2023-210-02	Police	2023	GF	\$ 82,500	
42	Police Radio Infrastructure & Communications Section Operations	2024-210-01	Police	2024	GF	\$ 204,707	
42	Police Portable and Mobile Radios	2024-210-02	Police	2024	GF	\$ 230,063	
37	Replace of Service Weapons	2024-210-03	Police	2024	GF	\$ 76,563	
23	Public Safety Computer Aided Dispatch and Records Management System	2024-210-04	Police	2024	GF	\$ 439,193	
17	Patrol Cameras	2024-210-05	Police	2024	GF	\$ 429,751	
27	Shooting Range	2025-210-01	Police	2025	GF	\$ 822,453	
<b>Total FY2023-2027</b>						<b>\$ 2,377,997</b>	

\*Appearing for the first time on the plan



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2023-210-01
Project Title:	Ballistic Vests
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [X] Phase - Final

**Description:**

The Scituate Police Department, in conformance with national standards, has a "mandatory wear" policy for soft-body armor. Each officer is issued soft-body armor and patrol officers are required to wear ballistic protection while performing and responding to calls for service. Ballistic armor has a 5-year life span and must be replaced accordingly. Each officer, per National Institute of Justice and U.S. Department of Justice standards must be issued individual vests which are "uniquely fitted" to each officer and meet NIJ ballistic compliance. Officer personal body armor includes front and rear ballistic panels, trauma plates, a low-profile carrier and overt outer carrying system. The department seeks to purchase 50 ballistic vests at an estimated cost of \$60,975.75

Soft-body armor is generally rated to stop a round from a hand gun or similar caliber weapon. Unfortunately, threats faced by law enforcement officers are often from offenders armed with "long guns" and other high capacity weapons. As such, the department requires a compliment of "active shooter kits" which can be deployed during incidents in which a threat from these incredibly lethal weapons are used. The ballistic protection from these safety systems are rated at Level IV and sufficient to provide protection from rifle rounds. "Active Shooter Kits" include front and rear Level IV plates, ballistic helmet and carrying system. The department seeks to purchase 25 "Active Shooter Kits" at an estimated cost of \$31,791.38

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

It is the absolute responsibility of the department and community to outfit our officers with the appropriate equipment so that they can return home to their loved ones at the end of their tours of duty. Providing ballistic protection is one of the best ways to help ensure officer safety.

Grant funding is available through both federal and state programs to help reduce the cost of individual soft-body armor. The department endeavors to capture reimbursement through both sources, which typically amounts to nearly 75% of the overall cost.

**Discuss Operating Budget Impact:**

There would be no impact to the operating budget absent damage to a ballistic system through the course of operational duties.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027		
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	\$84,334	\$84,334					<input checked="" type="checkbox"/> Capital Stabilization	
Contingency	\$8,433	\$8,433					<input checked="" type="checkbox"/> Free Cash	
Other	\$0						<input type="checkbox"/> Revolving Fund	
							<input type="checkbox"/> CPA	
<b>TOTAL</b>	<b>\$92,767</b>	<b>\$92,767</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> Grant(s) or Other	

Grant Amount Requested	\$45,732	\$45,732				
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$47,035</b>	<b>\$47,035</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

**Mark Thompson**

---

**From:** Central Equipment <jeanc@central-equipment.net>  
**Sent:** Wednesday, September 22, 2021 11:22 AM  
**To:** Mark Thompson  
**Subject:** Quote

**CENTRAL EQUIPMENT, LLC.**  
PO Box 781 - MATTAPOISETT, MA 02739  
PHONE: 508-758-3758 - FAX: 508-758-9758  
**FIR04, SP16-AMMO-X85, SP20-INVEST-X81**  
[www.central-equipment.net](http://www.central-equipment.net)  
[jeanc@central-equipment.net](mailto:jeanc@central-equipment.net)

SEPT 22 2021

Twon of Scituate Police  
Chief Mark Thompson  
Scituate, MA

Dear Chief,

we are pleased to quote United Shield ACTIVE SHOOTER PAKS on state contract FIR04:

25- Model AS-IV-ZETA-6h Level IV active shooter 10x12 plates, PASGT helmet, Carrier, Black , with SIDE PLATES...882.00...22,050.00  
25- BOA sizing kits installed in helmets...131.25...3281.25  
25- Model AS-BAG Carry bags....58.80.....1470.00  
50- Model PLACARD (one front, one back of carrier) Placards: SCITUATE POLICE..42.00ea...2100.00

Total.....28,901.25

Free shipping

Sincerely,

*Jean Cole*



763 Corporate Circle  
 New Cumberland, PA 17070  
 Phone (603) 722-9476

# Quote Request

StateBid #

Delivery Type	Date

[paul.newsham@atlantictactical.com](mailto:paul.newsham@atlantictactical.com)

		DATE:09/21/2021	CUSTOMER ORDER #:		
TO:	Chief Thompson	SHIP TO: SAME			
COMPANY	Scituate MA Police Dept.				
STREET:	800 Chief Justice Cushing Hwy,				
CITY:	Scituate, MA 02066				
EMAIL	mtompson@scituatema.gov	SALES PERSON:	TAX EXEMPT NO:		
PHONE NO:		Paul Newsham			
STOCK NO:	DESCRIPTION:		QUANTITY	UNIT PRICE	TOTAL
1219784-M	SX™ Level II, A7 - Male Panel Set		50	\$760.95	\$38,047.50
1220902-58	Soft Trauma Plate, 5" X 8"		50	\$25.65	\$1,282.50
1348925	M Series Concealable Carrier		50	\$96.90	\$4,845.00
1303549	V1 External Carrier, Front Opening, Advanced Webless System		50	\$225.15	\$11,257.50
1219784-U	SX™ Level II, A5 - Female Unstructured Panel Set		0	\$760.95	\$0.00
	All Carriers are in Navy please			\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				<b>TOTAL</b>	<b>\$55,432.50</b>

All prices Quoted, Valid for 30 days unless otherwise specified



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2023-210-2
Project Title:	Automated License Plate Reader and Parking Management System
Category:	Equipment
Department: Police Department	Contact: Chief of Police

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

The Scituate Police Department wishes to purchase (3) mobile automated license plate recognition (ALPR) systems and a coordinated, centralized parking management system. The ALPR units would be mounted on Scituate Police cruisers with primary use by the department's traffic enforcement officer, and officers specifically assigned to parking enforcement in the beach and commercial parking areas.

The equipment costs for this project are estimated at \$65,000.

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

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

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

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

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

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

As we work through the changes brought about by the Commonwealth's Police Reform legislation, the department is continually looking for ways to improve and maintain service levels. With anticipated impacts to future staffing compliments, this project is one way to ensure that parking enforcement efforts continue for the community.

**Discuss Operating Budget Impact:**

There are no anticipated impacts to the operating budget.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$75,000	\$75,000					<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$7,500	\$7,500					<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$82,500</b>	<b>\$82,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$82,500</b>	<b>\$82,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



# Scituate Police Department Subscription Service Agreement

Town of Scituate  
149 FIRST PARISH RD  
Scituate, MA 02066  
United States

Mark Thompson  
Chief of Police  
mthompson@scituatema.gov  
781.545.1212

Reference: 20210924-144340377  
Quote created: September 24, 2021  
Quote expires: December 20, 2021  
Quote created by: Carlo Capano  
Business Manager  
ccapano@utility.com  
+1 (603) 493-0699

**Comments from Carlo Capano**

Utility is honored the Scituate Police Department has chosen the Utility BodyWorn solution for its officers. We Look forward to partnering with you to serve the Scituate community. Please accept this professional services agreement and proposal for review and consideration.

\*The below items will service 3 Police Vehicles with RocketIoT Communications and ALPR.

\*\*The value on this quote covers all 5 years of the service agreement.

## Products & Services

Item & Description	Quantity	Unit Price	Total
ALPR (Stand Alone) Complete ALPR Solution	3	\$14,200.00	\$42,600.00 for 5 years

## Subtotals

One-time subtotal			\$42,600.00
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## Other Fees

Marquee Customer Discount			-\$17,400.00
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Total \$25,200.00

Signature

---

Signature

---

Date

---

Printed name

Questions? Contact me



Carlo Capano  
Business Manager  
ccapano@utility.com  
+1 (603) 493-0699

Utility, Inc.  
250 E. Ponce de Leon Ave, Suite 700  
Decatur, GA 30030  
US





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2024-210-01
Project Title:	Police Radio Infrastructure & Communications Section Operations
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring          Resubmission   

                         Multiyear          Phase - Final

**Description:**

*Scituate Public Safety has made significant investments in communications technology for the first responders that serve the community. Communication is the critical component that ensures that help arrives quickly and that officers can perform their functions safely and effectively. Technology continues to evolve and many of the components that were installed during FY18 and FY19 are now reaching the end of their useful life. This includes the communications infrastructure which allows radio traffic to be carried throughout the town, as well as, the dispatch workstations and software utilized by our communication specialists in the Public Safety Emergency Communications section.*

*This project seeks to upgrade the radio base stations located at Town Hall, Carolina Hill, Bear Hill and the NOAA building. The existing base stations have reached end of life and are discontinued. The latest generation of these units now provide advanced simulcast functionality and greater P-25 communication capabilities.*

*Our Emergency Communications Section is outfitted with four consoles for dispatch staff. This equipment was initially installed with the outfit of the new station in March of 2017. Comprised of Windows workstation and console software, this equipment is now in need up replacement.*

*This project can be implemented immediately upon funding.*

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

*As the equipment in question has reached end of life, the likelihood of catastrophic failure increases. Each component within the overall system is part of the integral public safety communications network. Failure to replace this equipment could risk the safety of our officers, and the department's ability to safely and effectively respond to a call for service.*

*Additionally, failure to complete this project could have a dramatic impact to the operating budget as this equipment is required 24x7 for public safety operations.*

**Discuss Operating Budget Impact:**

*Once implemented, there is no impact to the operating budget as regular preventative maintenance is included in the program.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$186,097		\$186,097				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$18,610		\$18,610				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$204,707</b>	<b>\$0</b>	<b>\$204,707</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>\$204,707</b>	<b>\$0</b>	<b>\$204,707</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

# ALL-COMM

Technologies, Inc.

5 Whitmore Rd., Revere, MA 02151 P (781) 269-3000 F (781) 295-7300 www.allcomm.com

Town of Scituate Police Department  
ATTN: Chief Mark Thompson  
Budgetary Pricing

9/20/2021

Quote to provide and install the latest generation TB9400 base stations  
Existing TB9100 base stations are now end of life

Manufacturer is waiving cost of P25, Simulcast and voting licenses to help with replacement

### Town Hall Tower Site TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A2-2100	PMU, TB9000, 24VACDC AUX12V	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,650.00
Sub-Total				\$ 13,140.00

### Carolina Hill Site TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A2-2100	PMU, TB9000, 24VACDC AUX12V	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
1	TBAS060	Digital Fixed Station Interface	\$ 554.00	\$ 554.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
Sub-Total				\$ 13,694.00

### Bear Hill Site TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A1-1100	TB9000 Power Management Unit ACDC12volts with Aux12volts	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
1	TBAS060	Digital Fixed Station Interface	\$ 554.00	\$ 554.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
Sub-Total				\$ 13,694.00

### NOAA Site TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A1-1100	TB9000 Power Management Unit ACDC12volts with Aux12volts	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
Sub-Total				\$ 13,140.00

### Portable/Mobile P25

Qty	Nomenclature	Description	Unit Price	Total Price
1	PROG	Subscriber Preventive Maintenance, Program Update	\$ 3,720.00	\$ 3,720.00

Sub-Total

\$ 3,720.00

Digital & Analog Simulcast System Project -Total

\$ 57,369.00

Manufacturers warranty applies.

Pricing is valid for 120 days from above date

# ALL-COMM

**Technologies, Inc.**

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

Town of Scituate Police Department  
 ATTN: Chief Mark Thompson  
 Budgetary Pricing

9/20/2021

Quote to replace PCs with new Windows 10 PCs. Update console system

Zetron Max Dispatch Console Update				
Qty	Nomenclature	Description	Unit Price	Total Price
4	901-9731	Desktop Microphone, with 6' RJ45 to RJ45 Cable	\$ 880.00	\$ 3,520.00
8	950-1405	Amplified 5W Speaker V2 Assembly	\$ 619.00	\$ 4,952.00
4	950-1337	MAX Solutions Win10 Workstation	\$ 2,432.00	\$ 9,728.00
2	901-9740	MAX Central	\$ 3,772.00	\$ 7,544.00
4	XMP-0344-ALCO	MAX- Extended Service Plan	\$ 2,200.00	\$ 8,800.00
16	SVC2021	Install 4 new PCs,4 new microphones,8 new speakers, 2 new Max Centrals. Update console to latest version	\$ 155.00	\$ 2,480.00
Sub-Total				\$ 37,024.00

Manufacturers warranty applies.

Pricing is valid for 90 days from above date

# ALL-COMM

**Technologies, Inc.**

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

Town of Scituate Police Department  
ATTN: Chief Mark Thompson  
*Budgetary Pricing*  
5 Year Service Plan

9/24/2021

Quote to provide and install the latest generation TB9400 base stations  
Existing TB9100 base stations are now end of life

*Manufacturer is waiving cost of P25, Simulcast and voting licenses to help with replacement*

**Town Hall Tower Tall TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation**

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A2-2100	PMU, TB9000, 24VACDC AUX12V	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
<b>Sub-Total</b>				<b>\$ 13,140.00</b>

**Caroline Hill Tall TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation**

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A2-2100	PMU, TB9000, 24VACDC AUX12V	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
1	TBAS060	Digital Fixed Station Interface	\$ 554.00	\$ 554.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
<b>Sub-Total</b>				<b>\$ 13,694.00</b>

**Bear Hill Tall TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation**

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A1-1100	TB9000 Power Management Unit ACDC12volts with Aux12volts	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
1	TBAS060	Digital Fixed Station Interface	\$ 554.00	\$ 554.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
<b>Sub-Total</b>				<b>\$ 13,694.00</b>

**NOAA Tall TB9400 Dual Mode Simulcast Repeater with built in Voting - Digital & Analog Operation**

Qty	Nomenclature	Description	Unit Price	Total Price
1	TB9435S-100T	TB9400 Single 100Watts Chassis Assembly	\$ 1,355.00	\$ 1,355.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A1-1100	TB9000 Power Management Unit ACDC12volts with Aux12volts	\$ 2,651.00	\$ 2,651.00
1	TBAS065	P25 Linear Simulcast Modulation (LSM)	\$ 1,447.00	\$ 1,447.00
8	SVC2021	Set-up and Programming/Tuning at ALL-COMM	\$ 155.00	\$ 1,240.00
10	SVC2021	Installation of New Simulcast Repeater	\$ 155.00	\$ 1,550.00
<b>Sub-Total</b>				<b>\$ 13,140.00</b>

**Pectables/Mobiles PM**

Qty	Nomenclature	Description	Unit Price	Total Price
1	PROG	Subscriber Preventive Maintenance, Program Update	\$ 3,720.00	\$ 3,720.00

Sub-Total

\$ 3,720.00

5 Year Radio Infrastructure Service Plan with Spares

Qty	Nomenclature	Description	Unit Price	Total Price
5	EXT-SERV-5y	Covers Tait Infrastructure for 5 years	\$ 6,124.72	\$ 30,623.60
1	SecureSync	Spectracom Master Oscillator SecureSync	\$ 6,803.00	\$ 6,803.00
1	329727	GPS Timing Antenna, 26dB Amplifier	\$ 370.00	\$ 370.00
1	T01-01103-MAAA	TB9400 Reciter 470-520MHz	\$ 2,736.00	\$ 2,736.00
1	T01-01121-MBAA	TB94 Linear PA 470-520MHz 100Watts	\$ 2,161.00	\$ 2,161.00
1	TBA30A2-2100	PMU, TB9000, 24VACDC AUX12V	\$ 2,651.00	\$ 2,651.00
2	JL253A#ABA	HPE 2930F 24G PT 4SFP+ SWCH	\$ 1,700.00	\$ 3,400.00

Sub-Total

\$ 48,744.60

Digital & Analog Simulcast System Project -Total

\$ 101,132.60

Manufacturers warranty applies.

Pricing is valid for 120 days from above date  
Includes spare, GPS unit,reciter,PA,PMU

# ALL-COMM

**Technologies, Inc.**

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

Town of Scituate Police Department  
ATTN: Chief Mark Thompson  
*Budgetary Pricing*

9/24/2021

Quote to replace PCs with new Windows 10 PCs. Update console system  
5 Year Service Plan

Qty	Nomenclature	Description	Unit Price	Total Price
4	901-9731	Desktop Microphone, with 6' RJ45 to RJ45 Cable	\$ 880.00	\$ 3,520.00
8	950-1405	Amplified SW Speaker V2 Assembly	\$ 619.00	\$ 4,952.00
5	950-1337	MAX Solutions Win10 Workstation	\$ 2,432.00	\$ 12,160.00
2	901-9740	MAX Central	\$ 3,772.00	\$ 7,544.00
1	901-9691	Media Dock XS	\$ 3,627.99	\$ 3,627.99
1	E124347	Elo Touch Solutions touchscreen Monitor	\$ 800.89	\$ 800.89
1	901-9731	Desktop Microphone, with 6' RJ45 to RJ45 Cable	\$ 880.00	\$ 880.00
20	XMP-0344-ALCO	MAX- Extended Service Plan-5 Year	\$ 2,200.00	\$ 44,000.00
16	SVC2021	Install 4 new PCs,4 new microphones,8 new speakers, 2 new Max Centrals. Update console to latest version	\$ 155.00	\$ 2,480.00
<b>Sub-Total</b>				<b>\$ 79,964.88</b>

Includes spare Microphone,Monitor,PC,Media Dock

Manufacturers warranty applies.

Pricing is valid for 90 days from above date



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2024-210-02
Project Title:	Police Portable and Mobile Radios
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**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:**

The department continues its commitment to ensuring that officers have the proper equipment to safely and effectively perform their duties. Communication is absolutely critical to that commitment. Since 2017, the department has made significant investments in the communication infrastructure and the equipment utilized by officers in the field. Portable and mobile radios are designed to operate in harsh conditions, but overtime, through wear-and-tear, they begin to fail - including batteries, microphones and other components. Our existing radio equipment is now outside of manufacturer warranty.

As such, the department seeks to purchase new P-25 digital mobile and portable radios for the officers and vehicles. This includes the following:

- (30) Mobile UHF Radios
- (60) Portable UHF Radios
- (7) Mobile VHF Radios
- (7) Portable UHF/VHF Radios
- (104) P25 Digital License Keys

The total cost for this project is anticipated to be \$230,063 and can be implemented upon funding.

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

Providing dependable, quality communications equipment is key. This project will ensure that officers have the tools needed to deliver service to the community. This equipment provides:

- P25 Phase 1 & 2 Compliance
- Mixed digital and analog operation
- GPS Receiver
- Bluetooth
- 56 Bit DES and 256 Bit AES Encryption
- Active Noise Reduction
- IP67/68 Immersion and MIL-STD-810

**Discuss Operating Budget Impact:**

There is no anticipated budget impact from this request.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$200,055		\$200,055				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$30,008		\$30,008				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$230,063	\$0	\$230,063	\$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	\$230,063	\$0	\$230,063	\$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



## NX-5700/5800/5900

VHF/UHF/700-800 MHz TRANSCEIVERS

**NXDN™**

**DMR**



**DMR T3&S**  
-based TRUNKING

**DMR Auto Slot Select**



**microSD**

**GPS**

**FleetSync**

### FEATURE HIGHLIGHTS

- Multi-Digital operation in NXDN, DMR, and P25 (Phase 1 & 2) protocols
- Any combination of two digital protocols can be selected from NXDN, DMR, and P25
- Mixed Digital & FM Analog Operation allows intelligent migration in mixed sites and easy migration with digital radios in other sites
- Large, Color 2.55" (154 x 422 pixels) TFT Display for at-a-glance operational status checking
- Easy to follow GUI and Multi-line Text to convey more information
- Dual Remote Control Head and Multi-Band (Multi RF Deck) Control Option providing scalable configurations for various operations and applications
- Built-In GPS Receiver for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Renowned KENWOOD Audio Quality can be achieved with Active Noise Reduction (ANR) that utilizes built-in DSP with two microphones for suppression of ambient noise
- Built-in 56-bit DES Encryption
- Optional 256-bit AES Encryption
- microSD/SDHC (up to 2GB/32GB) Memory Card Slot
- IP54/55 and MIL-STD-810 C/D/E/F/G

### GENERAL FEATURES

- 50 W to 5 W (136-174 MHz) Models
- 45 W to 5 W (380-470, 450-520 MHz) Models
- 30 W to 2 W (700 MHz) Model
- 35 W to 2 W (800 MHz) Model
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones
- DB-25 Accessory Connector
- AMBE+2™ Enhanced Vocoder
- 4 W Speaker Audio

### DIGITAL – NXDN MODE

- Gen2 & NXDN Type-C Trunked Operation
- NXDN Conventional Operation
- 6.25 & 12.5 kHz Channel Spacing
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- NXDN Digital Scrambler Included

### DIGITAL – DMR MODE

- S-Trunking
- DMR Tier III Trunking
- DMR Tier II Conventional
- DMR Auto Slot Select
- Site Roaming
- Two-slot TDMA in 12.5kHz channels
- Call Interruption
- Dual-slot Direct Mode
- Energy Efficient

### DIGITAL – P25 MODE

- P25 Phase 1 Conventional/Trunked Operation
- P25 Phase 2 Trunked Operation
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 Over-the-Air Re-keying
- P25 Over-the-Air Programming

### FM MODES – GENERAL

- Conventional & LTR Zones
- FleetSync®/I: PTT ID ANI / Caller ID Display, Selective / Group Call, Emergency Status / Text Messages
- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT / DQT & Two-Tone
- Built-in Voice Inversion Scrambler

### MULTIPLE CONFIGURATIONS

The NX-5000 mobile series allows users to create a variety of configurations to suit different requirements by combining different options. Some of the standard configurations are:

- Single Remote Control Head x Single RF Deck
- Dual Remote Control Heads x Single RF Deck
- Dual Remote Control Heads x Multi RF Decks
- Other combinations are available. Consult your local KENWOOD dealer for more.



## OPTIONAL ACCESSORIES

- **NX-5700B/5800B/5900B**  
RF DECK

- **KCH-19**  
BASIC CONTROL  
HEAD KIT

- **KCH-20R**  
FEATURED CONTROL  
HEAD

- **KRK-14H**  
CONTROL HEAD  
INTERFACE KIT  
(Adapter for the Head)

- **KRK-15B**  
CONTROL HEAD  
REMOTE KIT  
(Adapter for the RF Deck)

- **KCT-71**  
REMOTE CONTROL CABLE  
(Available in 3 lengths of 17 ft (5.2 m),  
25 ft (7.6 m), 1 6 ft (0.5 m))

- **KCT-72**  
REMOTE CONTROL CABLE

- **KWD-AE30/AE31**  
SECURE CRYPTOGRAPHIC MODULE

- **KPG-180AP**  
OTAP MANAGER

- **KMC-35/36\***  
MICROPHONE [IP54/55] (without / with 12-keypad)  
\*To be discontinued

- **KMC-65/66**  
MICROPHONE [IP54/55] (without / with 12-keypad)



- **KES-5 (A)**  
EXTERNAL SPEAKER  
(40 W max input,  
Requires KAP-2)

- **KCT-23**  
DC POWER CABLE  
M: 10 ft (3 m) /  
M3: 23 ft (7 m)

- **KCT-46**  
IGNITION SENSE  
CABLE

- **KLF-2**  
LINE FILTER

- **KMB-10**  
KEY LOCK ADAPTER

- **KAP-2**  
HORN ALERT/P.A.  
RELAY UNIT

- **KRA-40G**  
GPS ACTIVE ANTENNA

- **KPS-15**  
DC POWER SUPPLY  
(23 A max)

All accessories and options may not be available in all markets.  
Contact an authorized KENWOOD dealer for details and complete list of all accessories and options.

## SPECIFICATIONS

GENERAL	NX-5700	NX-5800	NX-5900
Frequency Range	135-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 805-826, 851-870 MHz
Max. Channels Per Radio	1024 (Up to 4000 channels with option)		
Number of Zones	128		
Max. Channels Per Zone	512		
Channel Spacing	Analog	12.5 / 15 / 20 / 25* / 30* kHz	12.5 / 25* kHz
	Digital	6.25 / 12.5 kHz	6.25 / 12.5 kHz
Power Supply	13.6 V DC ±15 %		
	Standby	0.45 A	
Current Drain	RX	2.3 A	
	TX	13 A	
Operating Temperature	-22° F to +140° F (-30° C to +60° C)		
Frequency Stability (-30°C to +60°C, +25°C Ref.)	±0.5 ppm		
Dimensions (W x H x D) Radio with Control Head, Projections Not Included	6.69 x 1.89 x 6.93 in. (170 x 48 x 176 mm)		6.73 x 1.89 x 7.72 in. (171.0 x 48.0 x 196 mm)
Weight: Radio with Control Head	3.53 lbs (1.6 kg)		
FCC ID	Type 1	K44471100	K44471200
	Type 2	—	K44471201
IC Certification	Type 1	282F-471100	—
	Type 2	—	282F-478500

\*25 and 30 kHz are not included in the models sold in the USA or US territories.  
P25 Digital measurements made per TIA 102CAAA, analog measurements made per EN Standards or TIA 603 and specifications shown are typical.  
Specifications are subject change without notice, due to advancements in technology.

RECEIVER	NX-5700	NX-5800	NX-5900
Sensitivity	NXDN 6.25 kHz Digital (3 % BER)	0.20 µV	
	NXDN 12.5 kHz Digital (3 % BER)	0.25 µV	
	DMR Digital (5 % BER)	0.25 µV	
	DMR Digital (1 % BER)	0.40 µV	
	P25 Digital (5 % BER)	0.25 µV	
	P25 Digital (1 % BER)	0.40 µV	
Selectivity	Analog @ 12.5 kHz	71 dB	70 dB
	Analog @ 25 kHz	81 dB	78 dB
Intermodulation	81 dB		
Spurious Rejection	85 dB		
Audio Distortion	2 %		
Audio Output Power	4 W (Remote Control Head: 3 W)		
TRANSMITTER	NX-5700	NX-5800	NX-5900
RF Power Output Power	50 to 5 W	45 to 5 W	30 W to 2 W (700 MHz) 35 W to 2 W (800 MHz)
Spurious Emission	-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB	40 dB
	Analog @ 25 kHz	50 dB	45 dB
Audio Distortion	2 %		
Emission Designator	16K0F3E, 14K0F3E**, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F1W, 7K60F1E, 7K60F1D, 4K00F1E, 4K00F1D, 4K00F1W, 4K00F2D		

\*\*NX-5900 model only.

## APPLICABLE MIL-STD & IP\*

MIL Standards	810C Methods/Procedures	810D Methods/Procedures	810E Methods/Procedures	810F Methods/Procedures	810G Methods/Procedures
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III
Humidity	507.1/I, II	507.2/I, III	507.3/I, III	507.4	507.5/II
Salt Fog	508.1/I	508.2/I	508.3/I	508.4	508.5
Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Vibration	514.2/ VIII, X	514.3/I	514.4/I	514.5/I, I	514.6/I
Shock	516.2/I, II, V	516.3/I, IV, V	516.4/I, IV, V	516.5/I, IV, V	516.6/I, IV, V
International Protection Standards	IP54: RF Deck of the mobile radio, IP55: Remote Control Head for the mobile radio				
Dust & Water					

\*All interfaces must be fully sealed with appropriate covers or by designated genuine accessories.

• The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. • SD and microSD are trademarks of SD-3C, LLC in the United States, and/or other countries • AMBE+2™ is a trademark of Digital Voice Systems Inc.  
• Windows® is a registered trademark of Microsoft Corporation. • NXDN™ is a trademark of JVCケンウッド Corporation and Icom Inc. • NEXEDGE® is a registered trademark of JVCケンウッド Corporation. • FleetSync® is a registered trademark of JVCケンウッド Corporation.

KENWOOD Communications  
Global Website



comms.kenwood.com



ISO 9001 Registered  
Communication Systems Business Unit,  
JVCケンウッド Corporation

# KENWOOD

# NEXEDGE®

One Radio with Multi-Protocol Support

## NX-5200/5300/5400

VHF/UHF/700-800 MHz TRANSCEIVERS

**NXDN™**

**DMR**



**DMR T3 & S**  
-based TRUNKING

**DMR >>>>>**  
Auto Slot Select >>>>>



**GPS FleetSync™**



Full Keypad Model

Limited Keypad Model

### FEATURE HIGHLIGHTS

- **Multi-Digital** operation in NXDN, DMR, and P25 (Phase 1 & 2) protocols
- Any combination of two digital protocols can be selected from NXDN, DMR, and P25
- **Mixed Digital & FM Analog Operation** allows intelligent migration in mixed sites and easy migration with digital radios in other sites
- **Large, Color 1.74" (240 x 180 pixels) Transflective TFT Display** for better interface even in direct sunlight and with use of polarized sunglasses
- **Easy to follow GUI** for at-a-glance operational status checking and **Multi-line Text** to convey more information
- **4-way Directional-pad (D-pad)** and **2-Position Lever Switch** for intuitive control and operation
- **Built-in GPS Receiver/Antenna** for effective fleet management
- **Bluetooth® Module** built-in for hands-free operation
- Renowned **KENWOOD Audio Quality** can be achieved with **Active Noise Reduction (ANR)** that utilizes built-in DSP with two microphones for suppression of ambient noise
- **Built-in 56-bit DES Encryption**
- **Optional 256-bit AES Encryption**
- **Built-in Motion Sensor** for life-critical man down detection
- **microSD/SDHC (up to 2GB/32GB) Memory Card Slot**
- **IP67/68 and MIL-STD-810 C/D/E/F/G**

### GENERAL FEATURES

- 6 W (136-174 MHz) Models
- 5 W (380-470, 450-520 MHz) Models
- 3 W (700/800 MHz) Models
- Full Key Models (w/ numeric keypad) and Standard Key Models (w/o numeric keypad)
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones
- AMBE+2™ Enhanced Vocoder
- 1 W Loud Speaker Audio

### DIGITAL – NXDN MODE

- Gen2 & NXDN Type-C Trunked Operation
- NXDN Conventional Operation
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- NXDN Digital Scrambler

### DIGITAL – DMR MODE

- S-Trunking
- DMR Tier III Trunking
- DMR Tier II Conventional
- DMR Auto Slot Select
- Site Roaming
- Two-slot TDMA in 12.5kHz channels
- Call Interruption
- Dual-slot Direct Mode
- Energy Efficient

### DIGITAL – P25 MODE

- P25 Phase 1 Conventional/Trunked Operation
- P25 Phase 2 Trunked Operation
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 Over-the-Air Re-keying
- P25 Over-the-Air Programming

### FM MODES – GENERAL

- Conventional & LTR Zones
- NPSPAC (USA only) Channels (±4.0 Modulation)
- FleetSync®/II: PTT ID ANI / Caller ID Display, Selective Group Call, Emergency Status / Text Messages
- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT / DQT & Two-Tone
- Built-in Voice Inversion Scrambler

### INTELLIGENT BATTERY SYSTEM

- System consists of a Li-ion or Ni-MH rechargeable battery
- (KNB-L1/L2/L3/N4), Rapid Charger (KSC-Y32), and Battery Reader (KAS-12/12PRO) software
- Up to 60 Rapid Chargers can be chain-connected to a PC
- KAS-12 Battery Reader software can display and manage information
- Up to 5,000 batteries can be managed at a time with the addition of optional KAS-12PRO license upgrade

## OPTIONAL ACCESSORIES

• **KNB-L1/L2/L3**  
Li-Ion BATTERY PACK (IP67/68 Immersion)



• **KNB-N4**  
Ni-MH BATTERY PACK (IP67/68 Immersion)



• **KBP-8**  
BATTERY CASE (12AA Alkaline Battery)



Intrinsically Safe Batteries are also available.

• **KSC-Y32**  
RAPID CHARGER



• **KSC-32/32S**  
RAPID CHARGER



• **KSC-326/326S**  
MULTIPLE CHARGER (6-unit Rapid Rate)



• **KAS-12/12PRO**  
BATTERY READER (PC Software)



• **KRA-22**  
VHF HELICAL ANTENNA (Low Profile)



• **KRA-23**  
UHF HELICAL ANTENNA (Low Profile)



• **KRA-26**  
VHF HELICAL ANTENNA (Standard Length)



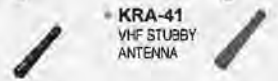
• **KRA-27**  
UHF WHIP ANTENNA (Standard Length)



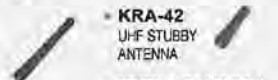
• **KRA-32**  
700/800 MHz WHIP ANTENNA



• **KRA-41**  
VHF STUBBY ANTENNA



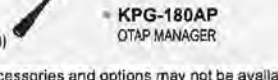
• **KRA-42**  
UHF STUBBY ANTENNA



• **KWD-AE30/AE31**  
SECURE CRYPTOGRAPHIC MODULE



• **KPG-180AP**  
OTAP MANAGER



• **KMC-70**  
SPEAKER MICROPHONE (IP68) (3-button, DSP Active Noise Reduction; Green Housing [GR] version is also available)



• **KMC-72**  
SPEAKER MICROPHONE (IP67) (2-button, Built-in noise canceler)



• **KBH-11**  
BELT CLIP



All accessories and options may not be available in all markets. Contact an authorized KENWOOD dealer for details and complete list of all accessories and options.

## SPECIFICATIONS

GENERAL	NX-8200	NX-8300	NX-8400
Frequency Range	136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 808-825, 851-870 MHz
Max. Channels Per Radio	1024 (Up to 4000 channels with option)		
Number of Zones	128		
Max. Channels Per Zone	512		
Channel Spacing	Analog: 12.5 / 15 / 20 / 25* / 30** kHz Digital: 8.25 / 12.5 kHz	12.5 / 25** kHz 5.25 / 12.5 kHz	12.5 / 25 kHz 12.5 kHz (6.25 kHz)
Power Supply	7.5 V DC ±20%		
Battery Life (5-5-30/10-10-50 duty cycle)	KNB-L1 (2,000 mAh)	10 hours / 6.5 hours	
	KNB-L2 (2,600 mAh)	12.5 hours / 8.5 hours	
	KNB-L3 (3,400 mAh)	17 hours / 11 hours	
	KNB-N4 (2,500 mAh)	12 hours / 8.5 hours	
	KBP-8 (w/ AA x12)	High Power: 11 hours / 8 hours Low Power: 26 hours / 18.5 hours	
Operating Temperature (Radio only)**	-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability (-30°C to +55°C, 25°C Ref)	±0.5 ppm		
Dimensions (W x H x D) Radio w/ Battery, Projections Not Included	KNB-L1 (2,000 mAh)	2.28 x 5.47 x 1.44 in (58.0 x 138.9 x 36.5 mm)	
	KNB-L2 (2,600 mAh)	2.28 x 5.47 x 1.56 in (58.0 x 138.9 x 39.5 mm)	
	KNB-L3 (3,400 mAh)	2.28 x 5.47 x 1.77 in (58.0 x 138.9 x 44.9 mm)	
	KNB-N4 (2,500 mAh)	2.28 x 6.55 x 1.76 in (58.0 x 166.4 x 45.2 mm)	
	KBP-8 (w/ AA x 12)	2.64 x 8.59 x 2.12 in (67.0 x 218.3 x 53.9 mm)	
Weight	KNB-L1 (2,000 mAh)	13.5 oz (382 g)	
	KNB-L2 (2,600 mAh)	14.3 oz (406 g)	
	KNB-L3 (3,400 mAh)	15.8 oz (449 g)	
	KNB-N4 (2,500 mAh)	20.4 oz (579 g)	
	KBP-8 (w/ AA x 12)	25.1 oz (712 g)	
FCC ID	Type 1	K44431400	ALH442000
	Type 2	—	K44431501
IC Certification	Type 1	282F-431400	2820-442000
	Type 2	—	282F-431501

RECEIVER	NX-8200	NX-8300	NX-8400	
Sensitivity	NAXON 6.25 kHz Digital (3 % BER)	0.20 µV	—	
	NAXON 12.5 kHz Digital (3 % BER)	0.25 µV	—	
	DMR Digital (5 % BER)	0.25 µV	—	
	DMR Digital (1 % BER)	0.40 µV	—	
	P25 Digital (5 % BER)	0.25 µV	—	
	P25 Digital (1 % BER)	0.40 µV	—	
Selectivity	Analog @ 12.5 kHz	67 dB	84 dB	
	Analog @ 25 kHz	75 dB	—	
Intermodulation	—	73 dB	75 dB	
Spurious Rejection	60 dB	—	75 dB	
Audio Distortion	—	3 %	—	
Audio Output Power	500 mW (3 % Distortion) / 1,000 mW (5 % Distortion)			
TRANSMITTER	NX-8200	NX-8300	NX-8400	
RF Power Output Power	5 to 1 W	5 to 1 W	3 to 1 W	
Spurious Emission	—	—	—	
FM Hum & Noise	Analog @ 12.5 kHz	40 dB	—	
	Analog @ 25 kHz	45 dB	—	
Audio Distortion	—	2 %	—	
Emission Designator	—	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F1W, 7K60F3E, 7K60F3D, 4K00F1E, 4K00F1D, 4K00F1W, 4K00F2D	—	16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F1W, 7K60F3E, 7K60F3D, 4K00F1E, 4K00F1D, 4K00F1W, 4K00F2D

\*1 25 and 30 kHz are not included in the model sold in the USA or US territories.  
 \*2 Operating temperature specification for a Li-Ion battery is 14°F to +140°F (-10°C to +60°C).  
 P25 Digital measurements made per TIA 102CAA, analog measurements made per EN Standards or TIA 603 and specifications shown are typical.  
 Specifications are subject change without notice, due to advancements in technology.

## APPLICABLE MIL-STD & IP\*3

MIL Standards	810C Methods/Procedures	810D Methods/Procedures	810E Methods/Procedures	810F Methods/Procedures	810G Methods/Procedures
Low Pressure	500.2/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II
Temp Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III
Humidity	507.1/I, II	507.2/I, III	507.3/I, III	507.4	507.5/II
Salt Fog	508.1/I	508.2/I	508.3/I	508.4	508.5
Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Vibration	514.2/ VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Shock	516.2/I, II, V	516.3/II, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV
Immersion	—	—	—	512.4/I	512.5/I
International Protection Standards					
Dust & Water	IP54, IP55				
Immersion	IP67, IP68				

\*3 All interfaces must be fully sealed with appropriate covers or by designated genuine accessories.

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 • Windows® is a registered trademark of Microsoft Corporation. • NXDN™ is a trademark of JVCケンウッド Corporation and Icom Inc. • NEXEDGE® is a registered trademark of JVCケンウッド Corporation. • FleetSync® is a registered trademark of JVCケンウッド Corporation.

KENWOOD Communications  
Global Website



www.kenwood.com



ISO9001 Registered  
Communications Systems Business Unit  
KENWOOD CORPORATION

## Nancy Holt

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**From:** Mark Thompson  
**Sent:** Monday, September 27, 2021 7:28 AM  
**To:** Nancy Holt  
**Subject:** FW: Motorola Radios  
**Attachments:** Kenwood Price Pages.pdf

Mark Thompson  
Chief of Police  
Scituate Police Department  
800 Chief Justice Cushing Highway  
Scituate, MA 02066  
781.545.1212



**From:** Kristine Loomer <kristine@newcomglobal.com>  
**Sent:** Friday, September 24, 2021 4:36 PM  
**To:** Mark Thompson <mthompson@scituatema.gov>  
**Subject:** RE: Motorola Radios

Mark,

Below is what we put together. Attached are the Kenwood price pages associated with these items. Prices below are list prices for budgetary purposes, will be lower when placing the order.  
Sorry for the delay in getting the information back to you!

30 Mobiles:

#NX5800 \$1095  
Includes Radio & Antenna

7 Mobile VHF Radios

#NX5700K \$1095  
Includes Radio & Antenna

60 Portable

#NX5300K6 \$1184  
Includes Radio, Battery, Charger, Antenna

7 Dual UHF/VHF Radios

#5AFF-MM-MR \$4100

License Keys  
#KWD5100CV \$575 ea

- Give NEWCOM a **Google Review**: <http://bit.ly/2jnKUEK>

**Kristine Loomer**, Sales & Operations Manager NEWCOM

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781.424.7870

781.826.7131

Follow Us!



**From:** Mark Thompson <[mthompson@scituatema.gov](mailto:mthompson@scituatema.gov)>  
**Sent:** Thursday, September 16, 2021 9:51 AM  
**To:** Kristine Loomer <[kristine@newcomglobal.com](mailto:kristine@newcomglobal.com)>  
**Subject:** Motorola Radios  
**Importance:** High

Hi Kristine:

I hope all is well. I'm looking to get a budget quote for Motorola radios. Is that something that you can assist with? I'm doing Capital planning and would be looking at quoting:

- 30 mobile UHF radios
- 7 mobile VHF radios
- 60 portable UHF radios
- 7 dual UHF/VHF radios

Please let me know if you're available to discuss.

Thank you.

Mark

Mark Thompson  
Chief of Police  
Scituate Police Department  
800 Chief Justice Cushing Highway  
Scituate, MA 02066  
781.545.1212



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2024-210-03
Project Title:	Replace of Service Weapons
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project Is:      New          Recurring          Resubmission   

                         Multiyear          Phase - Final

**Description:**

*The unfortunate reality is that an officer's service weapon is a fundamental component of his/her "tool belt". We ask a tremendous amount of our officers each day; and do so with an expectation that they are trained and equipped to handle every situation in a manner which is tactically sound, professional and compassionate. In every community, big and small, the risk of encountering a violent offender is incredibly real. We need look no further than communities in our area that have dealt with unfortunate tragedies and real situations over the past several years - situations in which our officers have responded to.*

*The department seeks to purchase 55 handguns for use by sworn officers of the department. These will replace our officer's existing service weapons. Currently, officers are outfitted with Glock .45 caliber handguns. With advances in ballistic technology over the past decade, as indicated in studies conducted by the Federal Bureau of Investigation, handguns chambered in 9mm provide the effectiveness required by law enforcement officers.*

*This project seeks to replace the officer's existing .45 caliber Glock service weapons as our current inventory is reaching its end of useful life. We seek to purchase similar polymer framed handguns chambered in 9mm. Through this project, we will purchase the handgun, extra magazines, sights and holsters for each sworn officer.*

*Total cost for this project is estimated at \$76,563. Useful life of a service weapon is 6 to 8 years. This project could be implemented immediately upon funding.*

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

*In 2016, following extensive ballistic testing, the Federal Bureau of Investigations issued new services weapons to their agents chambered in 9mm. The FBI generally establishes trends for law enforcement agencies in terms of appropriate weapon choice. Due to enhancements in ballistic technology, the 9mm has become the favored choice for law enforcement.*

*The FBI testing highlighted several significant advantages including improved accuracy, carrying capacity, functional reliability and reductions in weight, recoil and cost per round.*

*Officers are trained, based on MPTC for 100% round accountability. Through this project, our goal is to outfit each weapon with next generation optics which allow for incredible precision and accuracy; thus improving officer safety and reducing liability.*

*While every officer hopes to never need to fire their service weapon against a hostile threat, it is imperative that they are properly trained and equipped should the absolute need arise. This project helps to ensure that the departments service weapon are replaced within their serviceable life window and provide our officers with the safest most effective tools available.*

**Discuss Operating Budget Impact:**

*Our weapons are maintained by members of the department that are certified armorers. Ongoing maintenance is currently part of our operating expenses. Depending on availability and market trends, we may experience a marginal decrease in ammunition costs with the 9mm round.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$69,603		\$69,603				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$6,960		\$6,960				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$76,563	\$0	\$76,563	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$76,563	\$0	\$76,563	\$0	\$0	\$0

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

# AAA POLICE SUPPLY

940 PROVIDENCE HIGHWAY  
DEDHAM, MA 02026

P (781) 326 8845  
F (781) 326 3963



## QUOTE:

DATE: 9/22/2021

AGENCY:	<u>Scituate Police Department</u>
ADDRESS:	<u></u>
CONTACT:	<u>Jim Bulman</u>
PHONE:	<u></u>
FAX:	<u></u>
EMAIL:	<u></u>

QUANTITY		ITEM	PRICE	EXTENSION
45	ea	Trijicon # 700672 RMR 3.25 MOA	\$451.95	\$20,337.75
45	ea	Trijicon # AC32064 Mounting Kits	\$14.95	\$672.75
<b>IN STOCK</b>				

Quote Valid For 30 Days  
Email: AAAPOLICESUPPLY@GMAIL.COM  
Quoted Created By:

SUB TOTAL	\$21,010.50
TAX	\$0.00
SHIPPING	\$0.00
TOTAL	\$21,010.50





## **GLOCK 9x19**

**Model: 17 & 45**

**Caliber: 9x19**

**Action: Semi-Automatic**

**Capacity: Standard 17 w/ optional 19/24/31/33**

**Safety: Safe Action**

### **Polymer:**

While there are many polymer-framed pistols on the market, GLOCK's highly resistant, non-fiberglass reinforced polymer frame is unique to the company. This proprietary polymer reduces total pistol weight and significantly increases durability. GLOCK polymer material is resistant to different climatic conditions, corrosion free, color-stable, resistant to lubricants, absorbs recoil and is easy to maintain.

### **Advanced Rifling:**

Rifling is a series of grooves inside the barrel of your pistol. These grooves give the bullet spin, which creates a straighter flight path, impacting your accuracy. GLOCK's polygonal barrel rifling reduces wear and tear on the barrel and creates a better bullet-to-barrel fit. This minimizes barrel residue and produces consistent and increased bullet velocity, resulting in enhanced accuracy.

### **Surface Treatment:**

GLOCK applies advanced surface treatments on major metal components, producing an outer hardness comparable to, though slightly less than, that of diamonds. This considerably reduces wear and tear on these metal components and makes them corrosion resistant, even when operating in saltwater conditions. The matte black surface minimizes light reflection—an advantage in tactical circumstances.

### **Durability:**

The strength of the polymer frame, combined with advanced engineering design, the highest level of manufacturing standards, and the diamond-like surface treatment have earned GLOCK pistols a reputation as one of the most durable pistols on the market. GLOCK pistols have been adopted by

approximately 65% of U.S. law enforcement agencies, because of their durability and reliability.

**Magazine Construction:**

GLOCK uses a unique polymer coating to create a durable and reliable pistol magazine. This proprietary polymer formula reduces the damage that might occur when a normal magazine is dropped and protects the internal metal frame of the magazine from corrosion. The unique construction of GLOCK pistols allows for high round capacity relative to the physical size of the magazine.

	<b>Weapon System Cost p/Unit x 55</b>	<b>\$1,265.60</b>	<b>\$69,602.50</b>
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**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2024-210-04
Project Title:	Public Safety CAD/RMS
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

Department Priority:

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

The public safety Computer Aided Dispatch (CAD) and Records Management Systems (RMS) comprise the cornerstone of the operational management and documentation for the police, fire/EMS and communications section. In 2008, the police department converted to IMC CAD/RMS. Since that time, while the IMC product (now owned by Central Square) has gone through a number of functional updates to keep pace with mandates from the Commonwealth, the underlying technology has remained essentially unchanged and is quite dated. Modern public safety demands next generation technologies that are client agnostic, intuitive, flexible and adaptable.

This project seeks to update the Communications Section CAD and Police RMS to a next generation solution based on a highly integratable platform which utilizes best practices for public safety data security, retention and sharing.

Anticipated cost for this project is \$439,193. Projected implementation would take 6-12 months from execution of contract.

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

As we look to deploy advanced technologies to our first responders, we must have a platform that provides end-to-end data management that is seamless and interoperable. Benefits of this project include:

- Improved Data Security
- Enhanced Interoperability
- Increased Responder Safety
- Optimized Data Management
- Advanced Mapping Functionality
- Enhanced e911 Integration
- Real-Time Notifications
- On-line Reporting
- Crime Mapping
- Community Participation Portal
- Response Pre-Planning
- Policy based Responses
- Internal Affairs Reporting
- Real Time Alerting

Public safety requires a secure solution to deliver mission-critical, real-time data to first responders. Failure to invest in this critical operational infrastructure diminishes the effectiveness of our first responders and the service that they can provide to the community.

Our current operating budget allocates approximately \$21k to the annual maintenance and support of the Central Square (IMC) CAD / RMS system. This incorporates services for police, fire/EMS and dispatch. It is anticipated that the annual maintenance and support expense for the new solution would increase to approximately \$60,000. Additionally, we would expect training and managerial implementation personnel costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input type="checkbox"/> Enterprise Retained Earnings	<input type="checkbox"/> Capital Stabilization
Land Acquisition	\$0						<input checked="" type="checkbox"/> Free Cash	<input type="checkbox"/> Revolving Fund
Construction	\$0						<input type="checkbox"/> CPA	<input type="checkbox"/> Grant(s) or Other
Equipment/Furnishings	\$365,994		\$365,994					
Contingency	\$73,199		\$73,199					
Other	\$0							
<b>TOTAL</b>	<b>\$439,193</b>	<b>\$0</b>	<b>\$439,193</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>\$439,193</b>	<b>\$0</b>	<b>\$439,193</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: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2024-210-05
Project Title:	Patrol Cameras
Category:	Equipment
Department: Police Department	Contact: Chief Mark Thompson

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring     Resubmission [ ]

                  Multiyear     Phase - Final

**Description:**

*Advances in technology provide officers with ever greater resources in the field. The proliferation of patrol centric cameras for law enforcement continues to increase, further amplified with the genesis of police reform in Massachusetts. It is anticipated that body worn cameras will eventually become mandated for all police officers throughout the Commonwealth. While further guidance from the Massachusetts Peace Officer Standards and Training Commission (POSTC) on this matter is not anticipated until July 2022, as an agency, we should have this technology on our operational road map and moving toward its future integration. It's critical that we look at technology not as independent solutions, but rather as part of an overall ecosystem for providing the community and its officers with the most appropriate tools to deliver value and increase efficiency.*

*The total cost for this 5-year service project is estimated at \$429,751. Project implementation can proceed upon successful collective bargain agreement negotiations and*

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

*This projects seeks to implement a solution that would establish the patrol vehicle as an information hub with integrated solutions to enhance officer safety, improve investigatory and evidentiary management, and deliver a higher level public safety. Features include:*

- Overall Enhanced Situational Awareness
- Body Worn Cameras
- In Car Video
- Smart ALPR
- Automated Vehicle Sensors
- Vehicle Diagnostics & Reporting
- Active Shooter Response
- Officer Down Safety Technology
- Real Time Alerts
- GPS Location & Real Time Mapping
- Digital Evidence Management
- Secure Video Storage
- Police Based Automation & Retention
- Video Redaction
- CAD/RMS Integration

**Discuss Operating Budget Impact:**

Overall maintenance and operational expenses related to the solution would be covered with a 5-year maintenance program. It is anticipated however, that we would experience increased costs within the operating budget due to additional training requirements, managerial oversight needs and external public records requests.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$390,683		\$390,683				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$39,068		\$39,068				<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$429,751</b>	<b>\$0</b>	<b>\$429,751</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$429,751</b>	<b>\$0</b>	<b>\$429,751</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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



# Scituate Police Department Subscription Service Agreement

Town of Scituate  
149 FIRST PARISH RD  
Scituate, MA 02066  
United States

Mark Thompson  
Chief of Police  
mthompson@scituatema.gov  
781.545.1212

Reference: 20210921-175653146  
Quote created: September 21, 2021  
Quote expires: December 20, 2021  
Quote created by: Carlo Capano  
Business Manager  
ccapano@utility.com  
+1 (603) 493-0699

### Comments from Carlo Capano

Utility is honored the Scituate Police Department has chosen the Utility BodyWorn solution for its officers. We Look forward to partnering with you to serve the Scituate community. Please accept this professional services agreement and proposal for review and consideration.

\*The below items will service 50 Officers with 50 BWC's and 12 Police Vehicles with RocketIoT Communications with In-Car-Video, 3 of which will have ALPR.

\*\*The value on this quote covers all 5 years of the service agreement.

### Products & Services

Item & Description	Quantity	Unit Price	Total
BodyWorn Bundle BodyWorn Camera and Mount, Holster Sensor, Media Controller, CAD Activation, AVaiL Web SaaS and Warranty with 24/7 Technical Support	38	\$7,755.00	\$294,690.00 for 5 years
Bodyworn w/ Rocket IoT Communications and In-Car Video Bundle BodyWorn Camera and Mount, Holster Sensor, CAD Activation, Media Controller, Rocket IoT In- Car Video System Hardware Bundle, Ruggedized Tablet Display, OBD 2, AVaiL Web SaaS, Warranty, and 24/7 Technical Support.	12	\$17,644.00	\$211,728.00 for 5 years

ALPR (ICV Upgrade) Automated License Plate Recognition System to Supplement Current ICV System	3	\$12,320.00	\$36,960.00 for 5 years
CAD Integration	1	\$16,500.00	\$16,500.00
Smart Waypoint High Speed Data Access Point	1	\$17,380.00	\$17,380.00 for 5 years

**Subtotals**

One-time subtotal \$577,258.00

**Other Fees**

Marquee Customer Discount -\$186,575.00

**Total \$390,683.00**

**Signature**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed name

**Questions? Contact me**



Carlo Capano  
Business Manager  
ccapano@utility.com  
+1 (603) 493-0699

Utility, Inc.

250 E. Ponce de Leon Ave, Suite 700

Decatur, GA 30030

US



## SMART PATROLLING

### ALPR USING ARTIFICIAL INTELLIGENCE



### IN-CAR VIDEO WITH ADVANCED LICENSE PLATE RECOGNITION A.I.

- ⦿ Substantially More Cost Effective Than Traditional ALPR Systems
- ⦿ ALPR Technology as an Add-On to the Rocket IoT In-Car Video System
- ⦿ Uses Internally Mounted Cameras to Catalog License Plate Information
- ⦿ Rocket IoT also Provides Real-Time Connectivity to Hot Lists
- ⦿ When a Hot List Plate is Detected, Alerts Transmit to the Officer's MDC, Command & Dispatch, and Other Officers in a Predefined Radius to the Detection Vehicle
- ⦿ Can Assist with Silver Alerts, Amber Alerts, Stolen Vehicles and more







# Smarter Digital Evidence Management

AVaiLWEB™ is a powerful web-browser solution that makes it easy yet secure to search, play, manage, redact, and share video and data with a secure chain of custody. The media interface allows multiple related video and audio feeds to be played simultaneously. AVaiLWEB also has live video streaming allowing dispatchers and supervisors to have complete situational awareness. It also provides an automatic real-time, map-based view of location and status of all mobile operations, including vehicles, personnel, and assets. AVaiLWEB provides Geofence alerts, live tracking, traffic and weather overlays, asset overlays and Street Views.

- ⦿ **All-In-One Web-Browser Platform**
- ⦿ **Seamless Transfer of Video**
- ⦿ **Secure & Unlimited Cloud Storage**
- ⦿ **Geofence & Action Zone Activation**
- ⦿ **Synchronized Video & Audio**
- ⦿ **Video Redaction Tools**
- ⦿ **Comprehensive Chain of Custody**
- ⦿ **Customizable Configurations**
- ⦿ **Multiple Videos from an Incident**
- ⦿ **Live Map View**
- ⦿ **Live Video Streaming**
- ⦿ **Interactive Reporting**
- ⦿ **Send Real-Time Alerts**
- ⦿ **Ultimate Witness Portal**





### LIVE VIDEO STREAMING



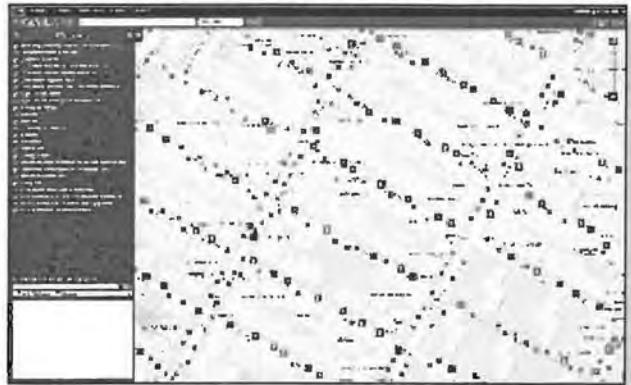
### VIDEO TRACKING AND PLAYBACK



### CUSTOM GEOFENCES



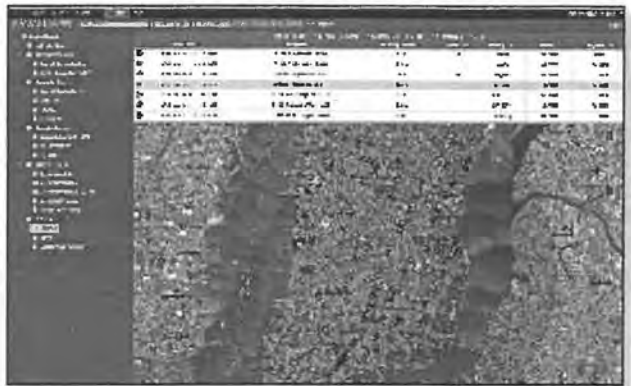
### GIS/ESRI DATA OVERLAYS



### HISTORICAL GPS TRACKING



### CUSTOM DEVICE REPORTS



# RocketIoT 3.0 Modules

## One System - Built to Expand with You



### **Automatic License Plate Recognition Module**

Passively scans and processes license plate data and alerts the system.

### **BodyWorn Video Module**

Rapid-login to the core through BWC, policy-based recording with ICV inputs, network storage for BWC, and secure wireless upload to the cloud

### **In-Car Video Module**

Dash camera and back seat camera system, DVR video vault, secure wireless upload to the cloud with policy-based recording functionality

### **Crash Sensor Module**

Detects vehicle crash, tags metadata, activates cameras to record with backup battery

### **On-Board Diagnostics Module**

Live view of vehicle diagnostics for fleet management and vehicle diagnostics reporting.

### **RocketIoT Core**

Wireless communications gateway with GPS, digital inputs and outputs, and a built-in shutdown timer

## Mix & Match Modules for Your Organization!

# RocketIoT 3.0 Modules



## RocketIoT Core

The Core of the RocketIoT is the foundation for customizing and expanding functionality modules.

- Secure Network Appliance
- A Proven Wireless Communications Gateway
  - WiFi Hotspot Around the Vehicle
  - Mobile 4G-LTE & FirstNet
  - Enhanced Signal Strength
- GPS Tracking and History
- Digital Inputs & Outputs
- Built-In Software-Based Shutdown Timer
- Tough & Rugged, Protected from Dirt, Dust, Water and Contact



**One System - Built to Expand with You**

# RocketIoT 3.0 Modules



## On-Board Diagnostics Module

Monitor Vehicle Health of Your Fleet

- Live View of Vehicle Diagnostics without Additional Tools
- Fleet Management Reports
- Vehicle Diagnostics Reporting



One System - Built to Expand with You

# RocketIoT 3.0 Modules



## Crash Sensor Module

Automated pre-event recording with metadata tags and back up battery. Ensuring critical moments are captured.

- Detects a Vehicle Crash
- Automates Recording of Video BWC and/or ICV
- Engages Pre-Event Buffer of Audio and Video
- Tags Crash and Automation in the Metadata
- Backup Battery to Continue Recording After Crash



One System - Built to Expand with You

# RocketIoT 3.0 Modules



## In-Car Video Module

Dash camera and back seat camera system, DVR video vault, secure wireless upload to the cloud with policy-based recording functionality

- Powers Up to Four Cameras
- Front and Rear-Facing HD Cameras
- Store and Forward Wireless Mic, with No Distance Limitation
- Internal DVR and Video Vault (128 GB of Storage)
  - All Video is Encrypted at Rest and in Transit
  - Stores Over 40 Hours of Recorded Video from Two Cameras
- Secure Wireless Upload to the Cloud
  - CJIS Compliant Data Transfer and Storage
- Policy-Based Recording Using Digital Inputs



**One System - Built to Expand with You**

5



# RocketIoT 3.0 Modules



## BodyWorn Video Module

Unlock important functionality for your BodyWorn cameras

- Secure Wireless Upload to the Cloud for BodyWorn
- Network Storage - the Core can be a Video Vault for BWC Video
- Policy-Based Recording Using Digital Inputs
- Rapid-Login to the Core using the BodyWorn Device



One System - Built to Expand with You



# RocketIoT 3.0 Modules



## Automatic License Plate Recognition Module

A more cost-effective ALPR solution that is built into the robust RocketIoT Core.

- Passively Scans and Processes License Plate Data
- Alerts and Notifies Flagged License Plates
- Gathers Real-time Evidence at the Edge
- A.I.-Based Solution
- Interfaced with Local, State, and NCIC Databases
- Investigative Tool
  - Passively Scanned Data is Uploaded
  - Can be Viewed After-the-Fact
- State Recognition Capabilities
- Purpose-Built Camera, specifically for ALPR Use



**One System - Built to Expand with You**

7

# RocketIoT 3.0 Modules

One System - Built to Expand with You



Utility Truck



Prison Transport Vehicle



Ambulance

Mix & Match Modules for Your Organization!



Security Truck



Sheriff Patrol Vehicle



Police Traffic Unit



# BODYWORN™

## MISSION CRITICAL INTELLIGENCE

Advanced Body Cameras, In-Car Video,  
& Digital Evidence Management System



Bringing Together An Intelligent Ecosystem  
To Capture, Transfer, Store & Manage Video  
With Automated Recording Start And Stop,  
And Smart Alerts For The Best Possible  
Situational Awareness.



**OUR MISSION**

Never ask an officer to do something the  
technology can do for them.

# Providing An Ecosystem Of Innovative, Forward-Thinking, Smart Technology



## IN THE FIELD

- Smart Secure BodyWorn Cameras
- HD In-Car Video
- 4G-LTE & Vehicle WiFi
- Advanced License Plate Recognition
- CAD Activation
- Automatic Recording Activation
- Policy-Based Recording
- Officer Down Alerting
- Priority Video Offload
- Secure Encryption at Rest & in Transit
- BOLO & Mass Communications



## AT CORRECTIONAL FACILITIES

- Situational Awareness of Officers
- Recording Accountability for Inmate Inspections
- Officer Down Alerts
- Officer Struggle Alerts
- Automatic Recording



## AT THE STATION

- Digital Evidence Management
- Secure Cloud-Based Storage
- Live Video Streaming
- Real-Time Safety Alerts
- Real-Time Mapping
- Smart Redaction
- Interview Room Recording
- Simultaneous Video Playback
- Mutual Aid Between Agencies



## FOR THE COURT

- Dedicated Portal for Court Officials
- Receive & Share Video Evidence
- Web-Based Evidence Review
- Create & Manage Cases



## AT SCHOOLS & BUSINESSES

- Smart BodyWorn Cameras
- Active Shooter Response Technology
- Officer Down Alerts
- Real-Time Alerts



## THE BODYWORN DIFFERENCE

We recognized the flaws with manually-operated clip-on body cameras, and created a more secure and reliable technology solution. Our BodyWorn technology works efficiently allowing officers to focus on their jobs, while increasing officer safety.



Securely Mounted In The Uniform

Won't Fall Off Or Get Pulled Off

Immediate Encrypted Evidence Offload

CAD Activation

Activate Cameras Based On CAD Call For Service

Customizable To Policies

Pre-Event Recording Of Audio & Video

Capture 2 Minutes Before An Event: Officer Down, Holster Sensor, Gunshot

Automated Recording Triggers

Officer Down Detection & Alert

Always Know Where Your Officers Are

Time-Sensitive Alerting In The Field

Two-Way Voice & Photo Bolo Alerts In Real-Time

Holster Sensor Activation

Capture Critical Events

Looks Smart Is Smart

The Only Smart Body Camera On The Market

Robust Technology, Simple To Use

## POLICY-BASED AUTOMATION

We focus on automatic policy-based recording activation, so the officer does not have to remember to manually start video recording.

- Computer Aided Dispatch (CAD) Activation
- Smart Holster Sensors
- Vehicle Sensors: Doors, Light Bar, Shotgun Rack
- Officer Down Alert & Activation
- Foot Pursuit & Struggle Activation
- Action Zones

Designed With Officer Safety In Mind.





## A ROBUST IN-CAR SOLUTION

We combined our mobile 4G-LTE and WiFi router with our in-car video system to make it the most powerful and reliable solution available.

Robust. Rugged. Reliable.



Secure. Simple. Smart.



**SMARTER DIGITAL EVIDENCE MANAGEMENT SYSTEM (DEMS)**

We built a powerful web-browser solution that makes it easy yet secure to search, play, manage, redact, and share video and data with a secure Chain of Custody.



**All-In-One Web-Browser Platform**

- Map-Based View
- Video Search
- Video Playback
- Video Redaction
- Evidence Management
- Case Management
- Asset Management

Secure & Unlimited Cloud Storage



Seamless Transfer Of Video

From BodyWorn & RocketIoT

Geofence & Action Zone Activation



**Video Redaction Tools**  
Fast & Reliable Automatic Redaction

**Comprehensive Chain Of Custody**  
Secure With Two-Factor Authentication

**Synchronized Video & Audio Playback**

- Video Interface With:
- Multiple Video Views
  - Video Watermark
  - Video Telestration
  - Embedded Sensor Data
  - GPS Location

**Ultimate Witness Portal**

Dedicated Portal For Court Officials

Multiple Videos From An Incident Are Automatically Related Based Upon Time & Location

**Live Map View & Live Video Streaming**

Never Lose Sight Of Your Officers

**Customizable Configurations**

- Recording & Retention Policies
- Retention Based Upon Classifications
- User/Role Access Restrictions
- Map Styles, Icons & Fields

**Interactive Reporting**

For Operational Efficiency

**Send Real-Time Alerts**

Department-Wide, To Individuals, Or Groups

**SMART REDACTION**

Protect the Chain of Custody by leveraging our built-in SmartRedaction tools. Our web-based interface redacts video quickly and reliably, avoiding the need to add video redaction personnel.

**ULTIMATE WITNESS PORTAL**

Court Officials can view and share video evidence and cases from all their agencies with a simple and secure web-browser login.



## Smart ALPR (Advanced License Plate Recognition)

### SMART PATROLLING

Smart ALPR is a comprehensive, robust license plate recognition solution that gathers real-time evidence at the edge. Smart ALPR combined with the RocketloT in-car system, receives real-time BOLO alerts to enhance wanted persons and vehicle alerts.



## ASRT (Active Shooter Response Technology)

### WITH ACCURATE GUNSHOT DETECTION

According to the DOJ statistics, the average response time to an active shooting event is 18 minutes. ASRT is a system that combines accurate gunshot detection with real-time alerts to officers in the field, reducing response times, increasing officer safety, and potentially saving lives.



Coming Soon For Schools, Offices, Theaters, Stores, And Other Public Spaces

## THE BODYWORN ECOSYSTEM

It All Comes Together As One Unified Offering – Built To Work Together, Saving Time And Money, While Protecting Legal Evidence.





When Seconds Mean Lives, Intelligence Matters.

**CONTACT US**

1-800-597-4707  
info@utility.com  
bodyworn.com



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Patents: 6,831,556 • 7,768,548 • 8,781,475 • 9,246,898 • 9,282,495 • 9,432,402 • 10,089,845



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/2021

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

Project Number:	2025-210-01
Project Title:	Shooting Range
Category:	Equipment
Department:	Police Department
Contact:	Chief Mark Thompson

**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:**

Firearms qualification is a fundamental component to every officer's training and is mandated by the Massachusetts Criminal Justice Training Council. Officers are required to qualify in a multitude of settings on an annual basis to demonstrate firearms proficiency across each of the weapons platforms utilized by the department. Unfortunately, the availability of firing ranges with the ability to accommodate department wide trainings are rapidly dwindling. Historically, our department has utilized the Boston Police Range at Moon Island. Increasingly, gaining range time has been more difficult. Subsequently, we are now using the Hanover Police Range, but there is some concern that additional restrictions could be put into place there as well.

As such, the department seeks to purchase a modular, self-contained shooting range which can be delivered on-site at the Scituate Public Safety Building to control training opportunities and availability. The range is engineered as a self-contained, enclosed, 100% ballistic indoor live fire trainer which meets OSHA, NIOSH and EPA regulations for internal air quality.

The anticipated cost for this project is \$822,453 and could be implemented upon funding. There is no on-site construction other than utility hook-up.

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

As the availability of firing ranges throughout the Commonwealth reduces, it will become increasingly more difficult for officers to train and qualify. With limitation, comes additional travel time to appropriate locations, subsequently increasing the overall training costs. Having an on-site range would immediately translate to a reduction in overtime and increased availability of training time.

These modular ranges can be equipped with a MILO simulation training system. The MILO solution provides officers with advanced training in critical incidents, de-escalation, decision making, tactical judgement and firearms proficiency. Providing our officers with this level of training would be a quantum step forward.

**Other key benefits include:**

- Better Quality and Higher Frequency of Live Fire Training
- Range Is at Your Facility, eliminating travel time, overtime and associated costs
- 24 Hour Training Available regardless of Weather Conditions and Time Restraints
- State-of-the-Art Live Fire Judgmental Training that Simulates Real Life Situations
- Lower Cost and Expenses for the entire spectrum of 'Use of Force' Training
- Accreditation of your Officers having Dynamic Judgmental Training
- Lower Risk of Wrongful Death/Injury Law Suits

Through regional collaboration with our police departments, the initial purchase price could be offset and/or an on-going revenue stream could be established by sharing the range.

The department seeks an appropriate and cost effective solution for providing officers with tactical, situational and firearms training. This solution delivers on those needs. Failure to identify a suitable solution has the potential to cause significant training obstacles in the coming years.

**Discuss Operating Budget Impact:**

Negative impact to the operational budget should be minimal. On going maintenance will include general HVAC filter changes. The department would anticipate a reduction in overtime hours for range qualifications due to the elimination of travel time for officers.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027	<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	\$747,685			\$747,685			<input type="checkbox"/> Revolving Fund	
Contingency	\$74,768			\$74,768			<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</b>	<b>\$822,453</b>	<b>\$0</b>	<b>\$0</b>	<b>\$822,453</b>	<b>\$0</b>	<b>\$0</b>		

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

Operating Budget Impact	
Grant Amount Requested	\$0
CPA Amount Requested	\$0
<b>Net of CPA and Grants</b>	<b>\$822,453</b>

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



## **LIVE FIRE TRAINING SYSTEM**

### YOUR WEAPON. YOUR AMMO. YOUR TRAINING

The MILO Range Live Fire option adds the ability to use live rounds, in addition to laser simulation weapons, bringing the ultimate in training capability to your training program. The MILO Range Live Fire option includes the detection software and equipment as well as a self-sealing rubber target screen that bullets are fired directly through, leaving only a small hole, supporting tens of thousands of shots. Customized target screens support any screen size need and are available in portable, mounted, and retractable configurations to support any range environment.

#### System Features:

- MILO Range software, scenarios, shooting exercises and virtual ranges
- Supports all calibers from 4.6mm and .223 through .50
- Thermal camera detection solution with certified +/- 2mm accuracy
- Consumable self-sealing rubber target screen surfaces support 25,000+ shots
- Standard screen size 10ft x 6.5 ft (3m x 2m)
- Custom screens available for any range size
- Mounted, portable and retractable screen options
- Flat screens as well as Theater 180, Theater 300 and ShootHouse configurations



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 stein@shootingrangellc.com

**Scituate Police Department  
 2 Lane 120' "Tactical" Rifle w/Control Room & MILO  
 SRI QUOTE # 21SJ0917-001**

Chief Mark Thompson  
 Scituate Police Department  
 800 Chief Justice Cushing Highway  
 Scituate, MA 02066  
 Phone: 781-545-1212  
 Email: mthompson@scituatema.gov

DATE: 9/17/2021

Qty	Category	Product No.	Unit Price	Amount	Description
1	Rifle Rated Ranges	A-TQFT-R-120-C	\$ 446,536.65	\$ 446,536.65	A-TQFT-R-120-C Commercial off the shelf (COTS) product fielded at more than 20 DOD and Commercial sites with single point power connections per module to be completely divisible & expandable in 2 lane increments in 2 lane increments, pre-engineered, pre-fabricated, containerized 2 lane "HIGH CUBE" 25 Meter shooting distance Modular Shooting System to include 10 ft master control-room, 15 ft from back wall to the firing line built to accommodate center fire rifle (3600 FPS and/or 3800 ft. lbs.) munitions with an overall length of 120 ft. The Model TQFT- is a fully equipped live fire shooting system in the "Tactical Fire Line" configuration includes ballistic protection, lighting, sound absorption and roof mounted HVAC systems, etc. Range includes Matte Black tactical shooting stalls with a fold down shooting tray and a collapsible shooting barricade. Ballistic rubber tile will be applied to ceiling and walls.
1	HVAC Options	A-RR-EXTWTHR02-C	\$ 25,000.00	\$ 25,000.00	A-RR-EXTWTHR02-C Extreme Weather Package Upgrade; Stage II Additional heat or cool Recirc System
1	HVAC Options	A-RR-DEHUM-CR01-C	\$ 4,950.00	\$ 4,950.00	Commercial Off the Shelf Dehumidifier for unoccupied control room
1	HVAC Options	A-RR-DEHUM-RO1-C	\$ 4,950.00	\$ 4,950.00	Commercial Off the Shelf Dehumidifier for unoccupied range spaces (1 per each 6 lanes)
1	Control Room Configurations	A-RRACR-C-001-C	\$ 27,295.00	\$ 27,295.00	A-RRACR-C-001-C Advanced Control Room
1	Miscellaneous	A-RR-Com-001-C	\$ 3,605.00	\$ 3,605.00	A-RR-Com-001-C Two Way Communication System - Master Control Console
1	Miscellaneous	A-RR-Com-002-C	\$ 773.00	\$ 773.00	A-RR-Com-002-C Two way Communication System, add per module
1	Miscellaneous	A-RR-Com-003-C	\$ 2,575.00	\$ 2,575.00	A-RR-Com-003-C Public Address System - Master Control Console
1	Miscellaneous	A-RR-Com-004-C	\$ 515.00	\$ 515.00	A-RR-Com-004-C Public Address (add per firing line module across width)
2	Ready Range Optional Targetry	A-CRT-SPR (Command Recon)	\$ 15,800.00	\$ 31,600.00	Random Turning, self propelled 360 degree Target System. 75' of track. Includes Individual Lane Control Stall mounted Use Catalog Number "CU-SPR-TRACK" to add price for length over 75' length (300' max)..
20	Ready Range Optional Targetry	A-CU-SPR-TRACK	\$ 22.00	\$ 440.00	Each additional foot of track in length over 75' (300' max)
1	Ready Range Optional Targetry	A-MCCW-SPR (Master Control Console w/Wireless tablet)	\$ 12,667.00	\$ 12,667.00	Master Control Computer - With Touch screen Spire OS. Allows for individual or multiple lanes synchronized control. Includes wireless tablet for operation anywhere in range.
1	Miscellaneous	A-RR-Light-001-C	\$ 7,339.00	\$ 7,339.00	A-RR-Light-001-C Dimmable lighting Master
2	Miscellaneous	A-RR-Light-003-C	\$ 1,236.00	\$ 2,472.00	A-RR-Light-003-C Dimmable Lighting 40' ( add for additional downrange modules)
1	MILO Options	A-RR-MILO-001-PRO	\$ 52,500.00	\$ 52,500.00	A-RR-MILO-001-PRO MILO Range Pro Judgment and Marksmanship Simulation Training Suite with Laser & Live Fire Capability-includes low light training module, video authoring capability and trainee action capture.
1	MILO Options	A-RR-MILO-003-TH	\$ 18,743.00	\$ 18,743.00	A-RR-MILO-003-R Range Live Fire FLIR Thermal Camera & Ballistic Rubber Screen (Stationary or Swing Out)
1	MILO Options	A-RR-MILO-006	\$ 3,275.00	\$ 3,275.00	A-RR-MILO-006 MILO Un-tethered Instructor Wireless Touch Screen Remote (includes docking station)
1	Sim-System Integration Options	A-RRMTR 2/120-SSI-C	\$ 10,000.00	\$ 10,000.00	A-RRMTR 2/120-SSI-C 2/120 Sim-System Suite Integration - CONUS

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**Scituate Police Department  
 2 Lane 120' "Tactical" Rifle w/Control Room & MILO  
 SRI QUOTE # 21SJ0917-001**

Chief Mark Thompson  
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 800 Chief Justice Cushing Highway  
 Scituate, MA 02066  
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 Email: mthompson@scituatema.gov

3	Shipping	A-Ship / Freight-1-C	\$ 14,000.00	\$ 42,000.00	A-Ship / Freight-1-C Shipping, Handling: Includes freight to 800 Chief Justice Cushing Highway, Scituate, MA 02066 from North Las Vegas Facility. Shipping quotation is used for estimating purposes only. A Final invoice will reflect actual pricing. Quotations are valid for 30 days unless specified otherwise. 3 each - 40' = 486" Long, 102" Wide, 125" Tall 52,000lbs
1	Installation	120-Installation Equip	\$ 17,600.00	\$ 17,600.00	Commercial Off The Shelf Installation Equipment for Installation of Ready Range / MCSATS to include 120 Ton Crane, 5S' AWD Off Road Fork Lift With Telescoping Boom, 300 amp towable welder w/100' leads. Site Specific cost adjustments may be required once site visit is conducted after contract award.
1	Installation	A-Installation Package-2-C	\$ 32,849.23	\$ 32,849.23	A-Installation Package-2-C Installation of a 2 lane, High Cube Ready Range w/Control Room 120 ft. in length for an 85' shooting distance to include all systems function test, Operation & Maintenance training and commissioning. SRI to provide 120 ton crane and heavy duty off-road forklifts w/boom. Customer to provide some install assistance as well as all site preparations to include strip footer foundation or equal per SRI instructions and local code as well as bringing power service to the range location making final connections at the unit's main disconnect located on the Ready Range.
<b>Total</b>				<b>\$ 747,684.88</b>	

**Note: Customer/Government Responsibilities:**

1. Installation of concrete pad or strip footers for the Ready Range modules per SRI drawings and written instruction. Inspection of such site preparations to be conducted by SRI representative before Ready Range product is shipped from factory.
2. Providing 208v or 220v, 3ph, 125amp to 300amp primary power ("WYE" System) needed for MCSATS to the connection box on each set of modules. SRI will provide detailed power requirements based on customer completed questionnaire, specific site/range heating and cooling requirements and availability of Natural/LP Gas. SRI Will provide connection box locations clearly marked on shop drawings.
5. Customer responsible for any and all site access requirements for cranes, trucks, range module delivery and forklifts to include, roads, ground work, utility clearances, overhead clearances (Trees, power lines), site laydown/staging area as required for project size.
6. Customer to provide 115v temporary power to the install site as well as dumpster and porta-toilets or restrooms for use during installation.
7. Customer to provide final connection of utilities, (power, natural gas or propane), to the Ready Range by locally certified service provider/contractor per the plans and specification during the installation period.
8. Assure coordination with other trades, local agencies to mark underground power and gas lines as well as the Local Power Board related to the surrounding power lines and the supply of suitable power as per SRI detailed project drawings.
9. Note: if project site is shut down by actions of others than that of SRI, an 'idle job fee' of \$650.00 for per man per calendar day plus site equipment, that work cannot commence, will be assessed.

**The following Terms and Conditions apply to this quote:**

**1. Proposal Pricing**

- All Pricing in this proposal is based on standard power requirements 208VAC or 220VAC 3-Phase 125 Amp ("WYE" System) Service with the availability of Natural Gas or Propane. Any change in these requirements not in the proposal can result in equipment changes, manufacturing time increases, pricing increases and schedule impact.

**2. Payment Terms**

- Products and contracts requires 60% down payment, 40% prior to scheduled ship date. (Unless other terms are negotiated and approved from SRI executive management as in [AWFAR 32.501])



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- If the customer is not ready to receive product when ready for shipment, customer is still responsible for final payment at this time. A 30 day grace period will be allowed. After the 30 day grace period a 1% (of the total contract value) storage fee per month will be applied. Final payment and all storage fees must be paid prior to scheduled shipping.

**3. Taxes - Prices do not include tax.**

- Any tax that is required to be collected or paid is considered Purchaser's responsibility.
- For equipment shipping to Canada, purchaser is responsible for all PST, GST, Custom Fees, and or Duties associated with importing.
- If Purchaser is exempt from such taxes, Purchaser agrees to provide an applicable exemption certificate.

**4. Delivery Schedules Customer Initials \_\_\_\_\_ Salesman Initials \_\_\_\_\_**

- System orders - 150 - 210 days are dependent upon size of the order and production schedule at time of order. Production and installation timelines will not commence until drawings have been approved by customer and submitted back to SRI.

**5. Shipping**

- Shipping is included in this proposal
- SRI not responsible for any costs associated with delays due to acts of God, individual state permit delays, pilot car delays, police escort delays, crane company delays, transport damage, overseas shipping delays, piracy, force majeure, pandemic & related restrictions or any other events out of SRI's control.
- Shipping quotation is used for estimating purposes only. A Final invoice will reflect actual pricing, any deviation in price based upon market conditions at time of shipment will be the customers responsibility. Quotations are valid for 30 days unless specified otherwise.

**6. Acceptance**

- Modular Range orders - "Acceptance" shall be FOB Destination for all CONUS orders and FOB Origin for all OCONUS orders, unless there is a government/purchaser caused delay in the acceptance which will make the acceptance FOB Origin. System acceptance shall be in accordance with test procedures specified in each order.

**7. Warranty- review warranty contract for full details**

- A factory warranty of 12 months from receipt or acceptance is included with all products.

**8. Purchaser's Notifications**

- SRI disclaims any responsibility for any damage, injury, loss, cost or other expense or liability, or the inoperability of the system, other products or site preparations purchased from SRI that relates to or is caused by modification to the systems or other SRI products. SRI is not responsible for range operation, safety procedures, range maintenance, HVAC maintenance, filter change outs, lead management or employee/customer health safety.

**9. Modifications**

- Where applicable, Purchaser is responsible for any and all site preparations required to meet product installation requirements/specifications.

**10. Release of Liability**

- With the acceptance of this proposed quote the customer agrees to release SRI from all liabilities, causes of action claims and demands that arise in any misuse, ownership, possession, demonstration, testing, and/or operation of the purchased items.

**11. Indemnification**

- Customer promises to indemnify, hold harmless, and defend SRI and applicable manufacturer against any and all claims including claims for the customers' own negligence.

**12. Validity**

- This quote is valid for 30 days for the date of issuance. Pricing and products will be revalidated upon request of the buyer or Government Contracting Officer.

**13. Exclusions**

- SRI is not responsible for Customs, Duties, Tariffs, Taxes, Broker Fees, Federal, State or Local Zoning, Permitting or Licensing of the Shooting Range or Site construction Preparation

**14. Signature / Contract Execution**

- Once this proposal is signed it becomes a contract.

**NOTICE:** All changes, adds or deletions or product or services via email or verbal communication must be signed by Jake Cook to be deemed a valid change. Any verbal communication is not superseded by signed contract. Production and installation timelines will not commence until drawings have been approved by customer and submitted back to SRI.

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**SHOOTING RANGE  
INDUSTRIES LLC**

RANGE DESIGN RANGE EQUIPMENT MODULAR RANGES  
"MILO and Shooting Range Industries LLC are divisions of FRAC Incorporated"

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2 Lane 120' "Tactical" Rifle w/Control Room & MILO  
SRI QUOTE # 21SJ0917-001**

Chief Mark Thompson  
Scituate Police Department  
800 Chief Justice Cushing Highway  
Scituate, MA 02066  
Phone: 781-545-1212  
Email: mthompson@scituatema.gov

Approved By:  
Jake Cook

Customer

*Jake W. Cook*

Director / Vice President  
Arotech Training & Simulation Division | MILO-LIVE

Title:

Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
44	Jenkins Roof Replacement	2023-300-01	School	2023	GF	\$ 1,235,000	MSBA possible in future
42	High School Roof Replacement	2023-300-02	School	2023	GF	\$ 1,045,000	MSBA possible
41	School Technology	2023-300-03	School	2023	GF	\$ 200,000	
45	SHS Floor Replacement	2023-300-04	School	2023	GF	\$ 300,000	
26	Elementary School Sink Replacement	2023-300-05	School	2023	GF	\$ 179,000	
17	Center for Performing Arts Rigging	2023-300-06	School	2023	GF	\$ 26,000	
44	Wampatuck Roof Replacement	2024-300-01	School	2024	GF	\$ 750,000	MSBA possible
45	Wampatuck Flooring Replacement	2024-300-02	School	2024	GF	\$ 314,335	MSBA possible
40	Small Gym High School	2024-300-03	School	2024	GF	\$ 225,000	
23	HS Locker Room - Phase 2	2024-300-04	School	2024	GF	\$ 898,000	
21	HS HVAC Controllers - Phase 1	2024-300-05	School	2024	GF	\$ 300,000	
21	HS Roof Exhaust	2024-300-06	School	2024	GF	\$ 27,000	
44	Main Floor High School Gym	2025-300-01	School	2025	GF	\$ 225,000	
24	HS Locker Room - Phase 3	2025-300-02	School	2025	GF	\$ 894,007	
37	Wampatuck Teachers' Room	2025-300-03	School	2025	GF	\$ 40,000	
24	HS HVAC Controllers - Phase 2	2025-300-04	School	2025	GF	\$ 300,000	
26	Jenkins Windows	2025-300-05	School	2025	GF	\$ 750,000	MSBA possible
61	Hatherly & Cushing School Replacement	2026-300-01	School	2026	GF	\$ 85,000,000	MSBA accepted feasibility
26	HS HVAC Controllers - Phase 3	2026-300-02	School	2026	GF	\$ 300,000	
29	Jenkins Floor Replacement	2027-300-01	School	2027	GF	\$ 750,000	
33	SHS Boiler Replacement	2027-300-02	School	2027	GF	\$ 8,500,000	MSBA possible
<b>Total FY2023-2027</b>						<b>\$ 102,258,342</b>	

MSBA possible comment denotes potential candidate for MA School Building Authority Accelerated Repair Program which requires Statement of Interest to be filed and acceptance into program. Roofs must be at least 25 years old, windows/doors at least 30 years old and boilers at least 25 years old. Due to demand for the program, the 2020 accepted schools had roofs with an age of 30 years or more, windows/doors with an age of 35 years or more and boilers with an age of 35 years or more.

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

<b>Org</b>	<b>Object</b>	<b>Project</b>	<b>Description</b>	<b>Remaining Funds</b>
1300915	589000	15A3E	Jenkins Outside Stairs	50,000.00
1300917	589000	17A3J	Ceiling Tile Replacement H-C	40,000.00
1300920	589000	20A3X	CUSHING ACCESSIBILITY IMPS	50,000.00
1300920	589000	20A3W	WIRELESS SMOKE DET CUSH & HATH	50,000.00
1300921	589000	21A3P	REPLACE SHS FLOORING	250,000.00
1300921	589000	21A3Q	SCHOOL TECHNOLOGY	69,094.71
1300921	589000	21A3R	WAMPATUCK PARKING LOT	303,673.00
30000580	589000	20A3S	HIGH SCHOOL LOCKER ROOMS	710,000.00
30000580	589000	20A3U	WAMPATUCK PORTICO	175,000.00
<b>General Fund - School Dept Total</b>				<b>1,697,767.71</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

2021

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit 09/24/2021

Project Number:	2023-300-02
Project Title:	SHS Roof Replacement
Category:	Construction
Department: SPS	Contact: Bob Dutch - Finance and Business

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**

Full roof replacement. This roof has been well maintained but it has begun to leak as it is over 25 years old 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 Area, Boiler Room, New Admin and Small Gym roofs

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

Damage to materials and equipment. Damage to flooring.

**Discuss Operating Budget Impact:**

Maintenance dollars on repairing roof leaks.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$45,000	\$45,000					<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$1,000,000	\$1,000,000					<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings							<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,045,000	\$1,045,000	\$0	\$0	\$0	\$0	<input checked="" type="checkbox"/> CPA <input checked="" type="checkbox"/> Grant(s) or Other MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,045,000	\$1,045,000	\$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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number:	2023-300-04		
Project Title:	SHS Floor Replacement		
Category:	Construction		
Department: SPS	Contact:	Bob Dutch - Finance and Business	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

SHS Flooring                    x Phase - Final

**Description:**  
Phase 3 of 3: 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:**  
Completion of the ongoing phased project.

**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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0	\$0				
Land Acquisition	\$0					
Construction	\$300,000	\$300,000				
Equipment/Furnishings						
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$300,000</b>	<b>\$300,000</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>\$300,000</b>	<b>\$300,000</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: FY2023 - FY2027**

Date submitted 09/24/2021 Date of Last Edit: 09/24/2021

Project Number: 2023-300-05	
Project Title:	Elementary School Sink Issue
Category:	Construction
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

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

**Description:**  
Wampatuck and Jenkins sinks that are currently out of order or too old to safely operate. This project would group the plumbing work at the two

**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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$179,000	\$179,000				
Equipment/Furnishings	\$0		TBD			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$179,000</b>	<b>\$179,000</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>\$179,000</b>	<b>\$179,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2023-300-06	
Project Title:	CPA Rigging
Category:	Construction
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

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

**Description:**

The rigging at the Center for Performing Arts needs repair.

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

The project will ensure safety and appropriate functioning. If not completed, we will not be able to utilize the rigging.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$26,000	\$26,000				
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$26,000</b>	<b>\$26,000</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>\$26,000</b>	<b>\$26,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024-300-01	
Project Title:	Wampanoag Roof
Category:	Construction
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ ]      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 some 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:**  
Maintenance savings

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0	\$0				
Land Acquisition	\$0	\$0				
Construction	\$750,000	\$0	\$750,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$750,000</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    MSBA

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$750,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024 - 300- 2	
Project Title:	Wampatuck Flooring Replacement
Category:	Furnishing
Department: SPS	Contact: Bob Dutch

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

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

**Description:**

As part of the 2014 renovation, only a portion of the flooring has been replaced. The remaining tiles are original with the building (1957) and are in need of replacement.

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

Although not a problem at present there is the probability of mastic and removing this hot material will make a better school.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$314,335		\$314,335				<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>\$314,335</b>	<b>\$0</b>	<b>\$314,335</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

CPA Purpose(s) Check all that apply							
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
<b>Net of CPA and Grants</b>	<b>\$314,335</b>	<b>\$0</b>	<b>\$314,335</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024-300-3	
Project Title:	Small Gym HS
Category:	Furnishing
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$225,000		\$225,000				<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>\$225,000</b>	<b>\$0</b>	<b>\$225,000</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>\$225,000</b>	<b>\$0</b>	<b>\$225,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024-300-4	
Project Title:	HS Locker Room Phase 2
Category:	Furnishing
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [x]      Phase 2 of 3

**Description:**

Renovate existing girls locker room into a girls team room.

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

There currently is no girls team room. Meets Title IX requirements.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$898,000		\$898,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$898,000</b>	<b>\$0</b>	<b>\$898,000</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>\$898,000</b>	<b>\$0</b>	<b>\$898,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024-300-5	
Project Title:	HS HVAC Controllers
Category:	Construction
Department: SPS	Contact: Bob Dutch

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

Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase 1 of 3	

**Description:**  
Update the HVAC controllers for HS HVAC units

**Benefits of Project and Impact if Not Completed:**  
Will prolong the life of the system and ensure safe air quality and electronic temperature control.

**Discuss Operating Budget Impact:**  
Because units will run more efficiently energy costs will be reduced.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$900,000		\$300,000	\$300,000	\$300,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$0</b>

<b>Funding Source(s)</b> Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$0</b>

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

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

**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2024 - 300- 6			
Project Title:	HS Roof Exhaust		
Category:	Construction		
Department: SPS	Contact: Bob Dutch		

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

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

**Description:**  
Units to be replaced.

**Benefits of Project and Impact if Not Completed:**  
Units are failing regularly resulting in need to manually control the units and keep them open 100%

**Discuss Operating Budget Impact:**  
Because units will run more efficiently energy costs will be reduced and the building will be better regulated..

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$27,000		\$27,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$27,000</b>	<b>\$0</b>	<b>\$27,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Funding Source(s) Check all that apply</b>	
<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>\$27,000</b>	<b>\$0</b>	<b>\$27,000</b>	<b>\$0</b>	<b>\$0</b>

<b>CPA Purpose(s) Check all that apply</b>	
<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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2025-300-1	
Project Title:	Main Floor HS Gym
Category:	Furnishing
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

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

**Description:**

The flooring for this gymnasium is original with the building which puts them at about 65 years old. They have been very well maintained over the years but the gym surface will need replacement to keep up with the constant use by sports teams nearly all year round. This would be for the Main HS gym floor.

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

Sanding has been done but needs to be done again. Only so much we can do. Constant use. We have repainted lines and replaced sections where soft spots were.

**Discuss Operating Budget Impact:**

Manpower and replacement are most of the costs. We do the coating every year before basketball.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$225,000			\$225,000			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2025-300-2	
Project Title:	HS Locker Room Phase
Category:	Furnishing
Department:	SPS
Contact:	Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [x]    Phase 3 of 3

**Description:**

Renovate existing boys team room.

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

Boys team room is not adequate for the size of the teams

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$894,007			\$894,007			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$894,007</b>	<b>\$0</b>	<b>\$0</b>	<b>\$894,007</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>\$894,007</b>	<b>\$0</b>	<b>\$0</b>	<b>\$894,007</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2025-300-3	
Project Title:	Wampatuck Teachers Room
Category:	Construction
Department: SPS	Contact: Bob Dutch

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

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

**Description:**  
The Wampatuck 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				
		FY2023	FY2024	FY2025	FY2026	FY2027
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>\$40,000</b>	<b>\$0</b>	<b>\$0</b>

<b>Funding Source(s)</b>	
Check all that apply	
<input checked="" type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input checked="" type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

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

<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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2025-300-4	
Project Title:	HS HVAC Controllers
Category:	Construction
Department: SPS	Contact: Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase 2 of 3	

**Description:**

Update the HVAC controllers for HS HVAC units at SHS P2

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

Will prolong the life of the system and ensure safe air quality and electronic temperature control.

**Discuss Operating Budget Impact:**

Because units will run more efficiently energy costs will be reduced.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$900,000		\$300,000	\$300,000	\$300,000	
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</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>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2026 - 300-1	
Project Title:	Hatherly-Cushing Replacement
Category:	Construction
Department: SPS	Contact: Bob Dutch

**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:**

Construction of a new school to replace the Hatherly School with the possibility of consolidation with the Cushing School.

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

To provide a state of the art facility that meets the educational needs of the children of Scituate. Failure to complete this project will result in an inferior physical plant for students with safety issues.

**Discuss Operating Budget Impact:**

Through building a new school we will avoid the expense of costly repairs to both facilities which would represent a "band-aid"

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$85,000,000				\$85,000,000		<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$85,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$85,000,000</b>	<b>\$0</b>	<input checked="" 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>\$85,000,000</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: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2026 -300-2	
Project Title:	HS HVAC Controllers
Category:	Construction
Department: SPS	Contact: Bob Dutch

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

Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input checked="" type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase 3 of 3	

**Description:**

Update the HVAC controllers for HS HVAC units at SHS P2

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

Will prolong the life of the system and ensure safe air quality and electronic temperature control.

**Discuss Operating Budget Impact:**

Because units will run more efficiently energy costs will be reduced.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$900,000		\$300,000	\$300,000	\$300,000		<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>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</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>\$900,000</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$0</b>

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

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

**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 09/24/2021

Date of Last Edit: 09/24/2021

Project Number: 2027 - 300- 1	
Project Title:	Jenkins Floors
Category:	Construction
Department: SPS	Contact: Bob Dutch

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]      Phase of

**Description:**

Replace floors in all classrooms and hallways as well as common areas.

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

Floors are beginning to fail and will become both an expense and a hazard.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$750,000					\$750,000	<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>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$750,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other: MSBA

		CPA Purpose(s) Check all that apply					
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
<b>Net of CPA and Grants</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$750,000</b>	<input type="checkbox"/> Historical
							<input type="checkbox"/> Housing

**Operating Budget Impact**

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





Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
14	Vehicle for Facilities Director*	2023-410-01	Facilities	2023	GF	\$ 37,000	
34	Replace HVAC at 68 Capt Peirce (DPW)*	2023-410-02	Facilities	2023	GF	\$ 67,000	
50	Replace ADA Ramp to Maritime Center*	2023-410-03	Facilities	2023	GF	\$ 108,500	
37	ADA Updates - Town Hall	2023-410-05	Facilities	2023	GF	\$ 210,000	
48	Electrical Distibution - Town Hall	2023-410-06	Facilities	2023	GF	\$ 100,000	
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	
<b>Total FY2023-2027</b>						<b>\$ 758,217</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

<b>Org</b>	<b>Object</b>	<b>Project</b>	<b>Description</b>	<b>Remaining Funds</b>
1410919	589000	19A3F	SECURITY UPGRADES TO FACILITIE	1,258.80
1410919	589000	19S33	SECURITY UPGRADES TOWN BLDGS	56,686.19
1410920	589000	20A3L	FACILITIES HANDYMAN VEHICLE	32,000.00
1410921	589000	21A3K	FACILTIES VEHICLE	32,500.00
1410921	589000	21A3H	OLD GATES SPRINKLER PUMP	80,400.00
1410921	589000	21A3J	TOWN HALL & BOH HVAC IMPS	40,000.00
1410921	589000	21A3I	YR 1 TOWN WIDE FAC PLAN	142,117.00
32000580	589000	12A4H	Energy savings contract (ESCO)	24,000.29
<b>General Fund - Facilities Dept Total</b>				<b>408,962.28</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



105	2021	Toyota	Tundra	8252	Tundra 4x2 Limited Double Cab Pick Up, 5.7 L V8	\$40,200.00
106	2021	Toyota	Tundra	8261	Tundra 4x2 SR5 Crewmax Pick Up, 5.7 L V8	\$35,975.00
107	2021	Toyota	Tundra	8272	Tundra 4x2 Limited Crewmax Pick Up, 5.7 L V8	\$41,975.00
108	2021	Toyota	Tundra	8275	Tundra 4x2 Platinum Crewmax Pick Up, 5.7 L V8	\$46,500.00
109	2021	Toyota	Tundra	8276	Tundra 4x2 1794 Edition Crewmax Pick Up, 5.7 L V8	\$46,500.00
110	2021	Toyota	Tundra	8341	Tundra 4x4 SR5 Double Cab Pick Up, 5.7 L V8	\$36,400.00
111	2021	Toyota	Tundra	8342	Tundra 4x4 SR Double Cab Pick Up, 5.7 L V8	\$34,775.00
112	2021	Toyota	Tundra	8345	Tundra 4x4 SR Double Cab Long Bed Pick Up, 5.7 L V8	\$35,100.00
113	2021	Toyota	Tundra	8346	Tundra 4x4 SR5 Double Cab Long Bed Pick Up, 5.7 L V8	\$36,850.00
114	2021	Toyota	Tundra	8352	Tundra 4x4 Limited Double Cab Pick Up, 5.7 L V8	\$43,100.00
115	2021	Toyota	Tundra	8361	Tundra 4x4 SR5 Crewmax Pick Up, 5.7 L V8	\$39,100.00
116	2021	Toyota	Tundra	8372	Tundra 4x4 Limited Crewmax Pick Up, 5.7 L V8	\$44,900.00
117	2021	Toyota	Tundra	8375	Tundra 4x4 Platinum Crewmax Pick Up, 5.7 L V8	\$49,500.00
118	2021	Toyota	Tundra	8376	Tundra 4x4 1794 Edition Crewmax Pick Up, 5.7 L V8	\$49,500.00
119	2021	Toyota	4 Runner	8642	4 Runner 4X2 SR5 V6	\$35,100.00
120	2021	Toyota	4 Runner	8646	4 Runner 4X2 SR5 Premium V6	\$37,975.00
121	2021	Toyota	4 Runner	8648	4 Runner 4X2 SR5 Limited V6	\$43,400.00
122	2021	Toyota	4 Runner	8664	4 Runner 4X4 SR5 V6	\$36,975.00
123	2021	Toyota	4 Runner	8666	4 Runner 4X4 SR5 Premium V6	\$39,800.00
124	2021	Toyota	4 Runner	8668	4 Runner 4X4 SR5 Limited V6	\$45,300.00
125	2021	Toyota	4 Runner	8670	4 Runner 4X4 TRD Off Road V6	\$38,900.00
126	2021	Toyota	4 Runner	8672	4 Runner 4X4 TRD Off Road Premium V6	\$41,300.00
127	2021	Toyota	Avalon	3544	Avalon 4 Door XLE	\$32,750.00
128	2021	Toyota	Avalon	3547	Avalon 4 Door XSE	N/A
129	2021	Toyota	Avalon	3548	Avalon 4 Door Touring	\$39,100.00
130	2021	Toyota	Avalon	3554	Avalon 4 Door Limited	\$38,700.00
131	2021	Toyota	Avalon	3504	Avalon Hybrid 4 Door XLE	\$33,900.00
132	2021	Toyota	Avalon	3507	Avalon Hybrid 4 Door XSE	\$36,200.00
133	2021	Toyota	Avalon	3514	Avalon Hybrid 4 Door Limited	\$39,700.00
134	2021	Toyota	Camry	2515	Camry 4 Door LE Sedan - AWD	\$24,700.00
135	2021	Toyota	Camry	2516	Camry 4 Door SE Sedan - AWD	\$25,950.00
136	2021	Toyota	Camry	2517	Camry 4 Door XLE Sedan - AWD	\$29,600.00
137	2021	Toyota	Camry	2518	Camry 4 Door XSE Sedan - AWD	\$30,200.00
138	2021	Toyota	Sienna	5402	SIENNA LE 8 PASSENGER - FWD	\$33,250.00
139	2021	Toyota	Sienna	5406	SIENNA XLE 8 PASSENGER - FWD	\$38,100.00
140	2021	Toyota	Sienna	5408	SIENNA XLE 7 PASSENGER - FWD	\$38,100.00



## Highlighted Features

- LED Headlights, Fog Lights and Taillights
- 17-In. 6-Spoke Alloy Wheels With P265/70R17 and-Snow Tires
- Fabric-Trimmed Seats With Power-Adjustable Seat
- Smart Key System<sup>163</sup> With Push Button Start
- Available Part-Time 4-Wheel Drive (4WD) With Case
- Android Auto<sup>™123</sup> & Apple CarPlay<sup>®115</sup> Compati
- Wi-Fi Connect<sup>130</sup> With up to 2 GB Within 3-Mo  
159
- Star Safety System<sup>™</sup>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 10.15.20

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

Project Number:	2023-410-02		
Project Title:	68 Captain Peirce Office HVAC replacement		
	HVAC		
Department: Facilities	Contact:	Kevin Kelly	
Project is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase - Final	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

*Replace existing HVAC system for the offices in the metal pre-fab building*

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

*Existing system requiring more maintenance  
Currently 19 years old, energy savings*

**Discuss Operating Budget Impact:**

*Energy savings*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$65,000	\$65,000				
Equipment/Furnishings	\$0					
Contingency	\$2,000	\$2,000				
Other	\$0					
<b>TOTAL</b>	<b>\$67,000</b>	<b>\$67,000</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>\$67,000</b>	<b>\$67,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>#VALUE!</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: FY2023 - FY2027**

Date submitted: 9.24.21

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

Project Number:	2023-410-03
Project Title:	Replace ADA Ramp to Maritime Center
Category:	Equipment
Facilities	Contact: Kevin Kelly Fac. Director

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:  X      Recurring  [ ]      Resubmission  [ ]

Multiyear  [ ]      Phase - Final

**Description:**

*Install a new ADA Aluminum ramp, to access the deck at Maritime Center. Remove existing ramp of wood, trex and metal and wire handrail system. Install a pre-fabricated aluminum ramp, complete with landings. Project would need additional site work for improved walkway to the new ramp and new footings.*

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

*The new aluminum ramp will last a lifetime. The surrounding areas are a boat yard and Town floats so an aluminum "nautical type" ramp, would be aesthetically pleasing. The existing ramp has settled, decking is "popping" and ramp is unlevel and pulling away from the Deck. Furthermore, the existing ramp is not built to meet current ADA specifications of proper incline and "length of run"*

**Discuss Operating Budget Impact:**

*impact of \$100,500 to FY 23 Capital budget*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$500	\$500				
Land Acquisition	\$0					
Construction	\$30,000	\$30,000				
Equipment/Furnishings	\$70,000	\$70,000				
Contingency	\$8,000	\$8,000				
Other	\$0					
<b>TOTAL</b>	<b>\$108,500</b>	<b>\$108,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$108,500</b>	<b>\$108,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



Thank you for this opportunity. Have a great weekend.

Scott Tihansky  
*Sales Engineering and Product Development*



BoardSafe Docks is a wholly owned subsidiary of Northeast Products and Services, Inc.



## Kevin Kelly

---

**From:** Scott Tihansky <scott@dock-on.com>  
**Sent:** Friday, September 24, 2021 12:12 PM  
**To:** Kevin Kelly  
**Cc:** Tom Warchol; eschnabel@northeastpands.com  
**Subject:** Re: Gangway

Mr. Kelly,

Based on your request I would use a budget number of \$55,000.00 to \$60,000.00.

The work scope would include the following items.

- Two 5' x 30' gangways (30' is the length that is required to be in accordance with ADA guidelines)
- One 5' x 11' landing
- One 5' x 6' landing

Pricing includes shipping, but **does not** include installation.

I'm hopeful this information will meet your immediate needs. If not, please let me know and I'll provide whatever else I can to help.

Below is a photo of a similar system we did at the TD Garden in Boston.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10.15.20

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

Project Number:	2023-410-05		
Project Title:	Town Hall ADA Access		
Department: Facilities	Contact:	Kevin Kelly	
Project Is:	New <input checked="" type="checkbox"/>	Recurring <input type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase - Final	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

**Description:**

*Provide ADA access improvements at entrances.*

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

*Provide ADA access improvements at entrances.*

**Discuss Operating Budget Impact:**

*None*

**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	\$210,000		\$210,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$210,000</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>\$210,000</b>	<b>\$0</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$0</b>	<b>#VALUE!</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:	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					Funding Source(s) Check all that apply	
		FY2022	FY2023	FY2024	FY2025	FY2026	<input checked="" type="checkbox"/> Tax Levy	<input checked="" type="checkbox"/> Debt
Study/Design	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Capital Stabilization	
Construction	\$73,717				\$73,717		<input checked="" type="checkbox"/> Free Cash	
Equipment/Furnishings	\$0						<input type="checkbox"/> Revolving Fund	
Contingency	\$2,000				\$2,000		<input type="checkbox"/> CPA	
Other	\$0						<input type="checkbox"/> Grant(s) or Other	
<b>TOTAL</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
Grant Amount Requested	\$0						<input type="checkbox"/> Open Space
CPA Amount Requested	\$0						<input type="checkbox"/> Recreation
<b>Net of CPA and Grants</b>	<b>\$75,717</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,717</b>	<b>\$0</b>	<input type="checkbox"/> Historical
							<input type="checkbox"/> 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    [ X ]    Recurring [ ]    Resubmission [ ]

                  Multiyear [ ]    Phase - Final

**Description:**  
*Replace Roofs at two buildings at 600 CJC 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 PROJECT SUBMISSION**

**Capital Improvement Program: FY2022 - FY2026**

Date submitted: 10.15.20

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

Project Number:	2026-410-02
Project Title:	Paint Library Interior
	Interior Improvements
Department: Facilities	Contact: Kevin Kelly

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                  Multiyear [ ]    Phase - Final

**Description:**  
*Paint select common, office and meeting area walls*

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

**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	\$45,000					\$45,000	<input type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$5,000					\$5,000	<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</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>\$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						
Post-Project Annual						
Post-Project One-time	\$0					

Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
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	
49	Town Wide Facilities Plan - Year Six	2027-999-01	Facilities Town Wide Plan	2027	GF	\$ 315,657	
<b>Total FY2023-2027</b>						<b>\$ 7,286,403</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
1410919	589000	19A3F	SECURITY UPGRADES TO FACILITIE	1,258.80
1410919	589000	19S33	SECURITY UPGRADES TOWN BLDGS	56,686.19
1410920	589000	20A3L	FACILITIES HANDYMAN VEHICLE	32,000.00
1410921	589000	21A3K	FACILTIES VEHICLE	32,500.00
1410921	589000	21A3H	OLD GATES SPRINKLER PUMP	80,400.00
1410921	589000	21A3J	TOWN HALL & BOH HVAC IMPS	40,000.00
1410921	589000	21A3I	YR 1 TOWN WIDE FAC PLAN	142,117.00
32000580	589000	12A4H	Energy savings contract (ESCO)	24,000.29
<b>General Fund - Facilities Dept Total</b>				<b>408,962.28</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.





**Facilities Plan - Year 2 - \$1,166,069 (1410922.589000.22A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
Jenkins School	\$ 196,220	Replace air cooled condensing unit .5-1.5 tons (\$4,310); replace air cooled condensing unit 5-7 tons (\$15,885); renovations to elevator cab finishes (\$16,450) and elevator modernization (\$68,542); asphalt roof replacement (\$75,325); routine concrete sidewalk repairs (\$7,896); replace building mounted lighting fixtures (\$1,637); replace pole mounted light fixtures (\$1,680); Ongoing roof maintenance (\$2,912); gasket renewal around windows (\$1,584)	Bob Dutch/Bob Dillon
Scituate High School	\$ 133,967	Concrete sidewalk repair (\$6,580); replace pole mounted fixture (\$4,200); ongoing roof maintenance (\$8,476); gasket renewal around windows (\$1,743); replace rooftop package unit -6 ton (\$27,976); renovation to elevator cab standard finishes (\$16,450); and elevator modernization (\$68,542)	Bob Dutch/Bob Dillon
Performing Arts Center	\$ 15,024	Concrete sidewalk repair (\$1,974); localized full depth asphalt repair (\$9,845); patching, crack sealing and striping of asphalt (\$875); repair damaged asphalt curbs (\$790) and ongoing roof maintenance (\$1,540)	Bob Dutch/Bob Dillon
Gates Middle School	\$ 52,317	Concrete sidewalk repair (\$6,580); patching, crack sealing and striping of asphalt (\$39,612); and ongoing roof maintenance (\$6,125)	Bob Dutch/Bob Dillon
	<b>\$ 397,528</b>		

**Facilities Plan - Year 2 - \$1,166,069 (1410922.589000.22A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
Old Gates School	\$ 462,840	Repair areas of deteriorated/damaged asphalt sidewalk (\$28,911); replace building mounted light fixtures (\$2,100), replace pole mounted light fixture (\$2,100); ongoing roof maintenance (\$3,577); EPDM 60 mil ballasted roof replacement mid rise (\$192,402), asphalt shingle roof replacement low rise (\$165,841), gasket renewal around windows (\$2,112); replace R 410a air cooled condensing unit (.5-1.5 tons) (\$8,621), replace R-410a air cooled condensing unit (5-7 tons) (\$7,942) and renovations to elevator cab standard finishes (\$16,450)	Kevin Kelly
Library	\$ 1,274	Ongoing roof maintenance (\$1,274)	Kevin Kelly
Town Hall/BOH	\$ 142,019	Replace pole mounted light fixture (\$1,680); ongoing roof maintenance (\$952); EPDM 60 mil roof replacement low rise (\$106,938); clean & repoint brick (\$23,450); gasket renewal around windows (\$1,056); replace R-410a air cooled condensing unit 55-7 tons - (\$7,942)	Kevin Kelly
Fire Station #1	\$ 3,137	Ongoing roof maintenance (\$656); Replace damaged siding (\$1,400); replace exterior metal insulated unit entry doors (\$1,081)	Kevin Kelly
PSC	\$ 39,770	Patching, crack sealing, sealing and striping of asphalt pavement (\$33,900) and ongoing roof maintenance (\$1,757)	Kevin Kelly
Scituate Harbor Community Building	\$ 1,584	Gasket renewal around windows	Kevin Kelly
Maritime Center	\$ 265	Ongoing roof maintenance	Kevin Kelly
Harbormaster Office (GF item)	\$ 9,541	Replace 20' gazebo (\$9,541)	Kevin Kelly
Highway Garage/Office	\$ 7,650	Ongoing roof maintenance (\$857); replace R-410a air cooled air condensing unit 3-4.5 tons (\$6,793)	Kevin Kelly
	<b>\$ 668,080</b>		
Mann House/Barn	\$ 700	Roof maintenance (\$700)	Scituate Historical Society

**Facilities Plan - Year 2 - \$1,166,069 (1410922.589000.22A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
	\$ 700		
<b>Enterprise fund projects which should not be supported from general fund</b>			
WWTP	\$ 85,964	Patching, crack sealing, sealing and striping of asphalt pavement (\$38,006); ongoing roof maintenance (\$1,058); Exterior trim painting (\$4,900) and repairs to corroded plumbing (\$42,000)	Wil Branton/Kevin Kelly
Transfer Station Garage	\$ 10,920	Replace 4' aluminum fence (\$2,870); continued maintenance on ancillary and maintenance pavilions (\$3,150); repair damaged siding and soffits in all areas (\$4,900)	Sean McCarthy/Kevin Kelly
Widows Walk Maintenance Bldg.	\$ 2,877	Ongoing roof maintenance (\$1,197); interior refurbishment (\$1,680)	Ian Kelley/Kevin Kelly
	\$ 99,761		
<b>Grand Total</b>	<b>\$ 1,166,069</b>		



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

Project Number:	2024-999-01			
Project Title:	Town Wide Facilities Study - FY 2024			
Category:	Recommended Projects for FY 2024			
Department: Multiple Facilities	Contact:	James Boudreau, Town Administrator/ Kevin Kelly, Facilities Director		

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ x ]      Phase - Final

**Description:**

*Includes Jenkins School, Scituate High School, Performing Arts Center, Gates Middle School, Old Gates School, Library, Town Hall/BOH Offices, Fire Station #1, Public Safety Complex, Scituate Harbor Community Building, Maritime Center, Harbormaster Office (GF item), Highway Garage/Office, Mann House & Mann House Barn, Wastewater Treatment Plant, Transfer Station Garage, Widows Walk Maintenance Building*

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

*To continue to follow the planned maintenance program to address the above listed facilities as laid out in the 2020 Town Wide Facilities Plan.*

**Discuss Operating Budget Impact:**

*Potentially will assist in ongoing repair costs if maintenance is done in a preventive rather than reactive way.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$490,940		\$490,940				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input checked="" type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$490,940</b>	<b>\$0</b>	<b>\$490,940</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>\$490,940</b>	<b>\$0</b>	<b>\$490,940</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					

**Facilities Plan - Year 3 - \$490,440 (1410923.589000.23A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
Jenkins School	\$ 68,659	Patching, crack sealing, sealing and striping of asphalt pavement (\$16,397), Replace playground equipment (\$24,675), Ongoing roof maintenance (\$2,912), annual fire suppression system (\$24,675)	Bob Dutch/Bob Dillon
Scituate High School	\$ 82,025	Patching, crack sealing, sealing and striping of asphalt pavement (\$40,533); Routine concrete curb repairs (\$5,040); Ongoing roof maintenance (\$8,477); Replace rooftop package unit (\$27,976)	Bob Dutch/Bob Dillon
Performing Arts Center	\$ 1,540	Ongoing roof maintenance (\$1,540)	Bob Dutch/Bob Dillon
Gates Middle School	\$ 6,125	Ongoing roof maintenance (\$6,125)	Bob Dutch/Bob Dillon
	<b>\$ 158,349</b>		
Old Gates School	\$ 29,486	Localized full depth asphalt repairs (\$9,327); Patching, crack sealing and striping of asphalt (\$16,582)	Kevin Kelly
Library	\$ 22,330	Patching, crack sealing and striping of asphalt pavement (\$21,056); Ongoing roof maintenance (\$1,274)	Kevin Kelly
Town Hall/BOH	\$ 100,875	Routine concrete repairs (\$7,896); repair damaged asphalt sidewalk (\$9,130); Patching, crack sealing and striping of asphalt pavement (\$12,897); ongoing roof maintenance (\$952); Sanitary line replacement (\$70,000)	Kevin Kelly
Fire Station #1	\$ 2,056	Ongoing roof maintenance (\$656); Replace damaged siding (\$1,400)	Kevin Kelly
PSC	\$ 1,757	Ongoing roof maintenance (\$1,757)	Kevin Kelly
Scituate Harbor Community Building	\$ 7,045	Patching, cracking sealing and striping of asphalt pavement (\$1,032); replace fixed aluminum framed windows (\$1,413); replace air cooled condensing unit (\$4,601)	Kevin Kelly
WPA	\$ 6,300	Common area refurbishment (\$6,300)	Kevin Kelly
Maritime Center	\$ 265	Ongoing roof maintenance	Kevin Kelly
Highway Garage/Office	\$ 37,397	Ongoing roof maintenance (\$857); fabric roof replacement (\$20,160); exterior painting (\$7,254); exterior trim painting (\$9,126)	Kevin Kelly

**Facilities Plan - Year 3 - \$490,440 (1410923.589000.23A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
	\$ 207,511		
Mann House/Barn	\$ 3,719	Roof maintenance (\$700); routine brick sidewalk repairs (\$1,750); exterior trim painting (\$10); paint interior stairwell(\$1,260)	Scituate Historical Society
Lighthouse & Residence	\$ -		Scituate Historical Society
Cudworth House	\$ 2,323	Exterior trim painting (\$466); repair damaged siding (\$490); renew/recalk windows & doors (\$1,367)	Scituate Historical Society
Lawson Tower	\$ -		Scituate Historical Society
	\$ 6,042		
<b>Enterprise fund projects which should not be supported from general fund</b>			
WWTP	\$ 59,838	Patching, crack sealing, sealing and striping of asphalt pavement (\$38,006); ongoing roof maintenance (\$1,058); Exterior trim painting (\$4,900) and repairs to corroded plumbing (\$42,000); replace gas detectors (\$12,600)	Wil Branton/Kevin Kelly
Harbormaster's Office	\$ 18,871	Replace operable vinyl framed windows (\$2,517); replace commercial water heater (\$14,720); 3-phase unit heater (\$1,634)	Stephen Mone/Kevin Kelly
Water Garage/Office	\$ 6,650	Exterior painting (\$350); common area refurbishment (\$6,300)	Sean Anderson/Kevin Kelly
Transfer Station Garage	\$ 13,020	Ongoing chain link fence replacement (\$6,720);ongoing repairs at office, trash center and recycling center (\$6,300)	Sean McCarthy/Kevin Kelly
Widows Walk Maintenance Bldg.	\$ 20,658	Ongoing roof maintenance (\$1,197); exterior painting (\$19,461)	Ian Kelley/Kevin Kelly
	\$ 119,037		
<b>Grand Total</b>	<b>\$ 490,939</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	
Jenkins 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	
Scituate 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	\$1,540	
Gates 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	\$231,669	\$1,757	\$39,770	\$1,757	\$1,757	\$398,171	\$1,757	
Water Garage/Office	4 Old Oaken Bucket Rd	Service	6,480	1900	\$20,112	\$840	\$46,546	\$162,685	\$1,680	\$0	\$6,650	\$0	\$5,011	\$0	
Highway Garage/Office	68 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 Stn 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 Main 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>\$534,458</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>	





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2025-999-01
Project Title:	Town Wide Facilities Study - FY 2025
Category:	Recommended Projects for FY 2025
Department: Multiple Facilities	Contact: James Boudreau, Town Administrator/ Kevin Kelly, Facilities Director

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ x ]    Phase - Final

**Description:**

*Includes Jenkins School, Scituate High School, Performing Arts Center, Gates Middle School, Old Gates School, Library, Town Hall/BOH Offices, Fire Station #1, Public Safety Complex, Scituate Harbor Community Building, Maritime Center, Harbormaster Office (GF item), Highway Garage/Office, Mann House & Mann House Barn, Wastewater Treatment Plant, Transfer Station Garage, Widows Walk Maintenance Building*

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

*To continue to follow the planned maintenance program to address the above listed facilities as laid out in the 2020 Town Wide Facilities Plan.*

**Discuss Operating Budget Impact:**

*Potentially will assist in ongoing repair costs if maintenance is done in a preventive rather than reactive way.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$2,432,908			\$2,432,908			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input checked="" type="checkbox"/> Free Cash
Other	\$0						<input checked="" type="checkbox"/> Revolving Fund
TOTAL	\$2,432,908	\$0	\$0	\$2,432,908	\$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	\$2,432,908	\$0	\$0	\$2,432,908	\$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

**Facilities Plan - Year 4 (FY25) - \$2,432,908 (1410924.589000.24A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
Jenkins School	\$ 281,643	Ongoing roof maintenance(\$2,912); Corridor finish refurbishment (\$215,600); Kitchen refurbishment (\$32,900); Replace AHU(\$24,675)	Bob Dutch/Bob Dillon
Scituate High School	\$ 713,095	Ongoing roof maintenance (\$8,477); Carpet replacement (\$28,420); Corridor finish refurbishment (\$582,422), Kitchen refurbishment (\$65,800); Replace rooftop package unit (\$27,976)	Bob Dutch/Bob Dillon
Performing Arts Center	\$ 63,140	Ongoing roof maintenance (\$1,540); Corridor finish refurbishment (\$61,600)	Bob Dutch/Bob Dillon
Gates Middle School	\$ 108,325	Ongoing roof maintenance (\$6,125); Corridor finish refurbishment (\$36,400); Kitchen refurbishment (\$65,800)	Bob Dutch/Bob Dillon
	<b>\$ 1,166,203</b>		
Old Gates School	\$ 329,777	Repair damaged curbs (\$36,400); Ongoing roof maintenance (\$3,577); Kitchen refurbishment (\$7,000); Corridor finish refurbishment (\$ 282,800)	Kevin Kelly
Library	\$ 1,274	Ongoing roof maintenance	Kevin Kelly
Town Hall/BOH	\$ 235,858	Ongoing roof maintenance (\$952); corridor finish refurbishment (\$234,906)	Kevin Kelly
Fire Station #1	\$ 2,056	Ongoing roof maintenance (\$656); Replace damaged siding (\$1,400)	Kevin Kelly
PSC	\$ 1,757	Ongoing roof maintenance (\$1,757)	Kevin Kelly
Scituate Harbor Community Building	\$ 130,829	Replace fixed aluminum framed windows (\$1,413); common are refurbishment (\$129,416)	Kevin Kelly
WPA	\$ 2,207	Renew/recaulk windows & doors (\$457); replace residential water heater (\$1,750)	Kevin Kelly
Maritime Center	\$ 78,105	Ongoing roof maintenance (\$265); routine concrete sidewalk repairs (\$3,290); resurface gravel parking area (\$57,750); common area refurbishment (\$16,800)	Kevin Kelly
Highway Garage/Office	\$ 18,368	Ongoing roof maintenance (\$857); replace AHU (2,000CFM) (\$17,511)	Kevin Kelly
	<b>\$ 800,231</b>		

**Facilities Plan - Year 4 (FY25) - \$2,432,908 (1410924.589000.24A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
Mann House/Barn	\$ 700	Roof maintenance (\$700)	Scituate Historical Society
Lighthouse & Residence	\$ -		Scituate Historical Society
Cudworth House	\$ -		Scituate Historical Society
Lawson Tower	\$ 22,904	Common area refurbishment (\$22,904)	Scituate Historical Society
	<b>\$ 23,604</b>		
<b>Enterprise fund projects which should not be supported from general fund</b>			
WWTP	\$ 348,459	Ongoing roof maintenance (\$1,058); Exterior trim painting (\$4,900); repairs to corroded plumbing (\$42,000); diesel fired emergency generator (\$300,500)	Wil Branton/Kevin Kelly
Harbormaster's Office	\$ 32,151	Replace operable vinyl framed windows (\$2,517); common area refurbishment (\$28,000); 3-phase unit heater (\$1,634)	Stephen Mone/Kevin Kelly
Water Garage/Office	\$ -		Sean Anderson/Kevin Kelly
Transfer Station Garage	\$ 24,045	Replace 4' aluminum fence (\$2,870); continued maintenance on ancillary and maintenance pavilions (\$3,150); repair damaged siding and soffits in all areas (\$4,900)	Sean McCarthy/Kevin Kelly
Widows Walk Maintenance Bldg.	\$ 38,215	Ongoing roof maintenance (\$1,197); interior refurbishment (\$1,680); patching, crack sealing and striping of asphalt pavement (\$7,159); overhead door replacement (\$28,179)	Ian Kelley/Kevin Kelly
	<b>\$ 442,870</b>		
<b>Grand Total</b>	<b>\$ 2,432,908</b>		

**Seaside 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
Jenkins 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
Seaside 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	\$1,540
Gates 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 Drifway	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	\$231,669	\$1,757	\$39,770	\$1,757	\$1,757	\$398,171	\$1,757
Water Garage/Office	4 Old Oaken Bucket Rd	Service	6,480	1900	\$20,112	\$840	\$46,546	\$162,685	\$1,680	\$0	\$6,650	\$0	\$5,011	\$0
Highway Garage/Office	68 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 Str. Garage	280 Drifway	Service	1,200	1970	\$2,591	\$13,747	\$132,376	\$41,405	\$0	\$10,920	\$13,020	\$24,045	\$20,825	\$17,640
Seaside 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 Drifway	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>\$534,458</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>



**Facilities Plan - Year 5 (FY26) - \$2,880,829 (1410925.589000.25A3-)**

<b>Facility</b>	<b>Amount</b>	<b>Description of Work</b>	<b>Responsible Party to Execute</b>
Jenkins School	\$ 84,091	Replace roadway/parking signage (\$576); Ongoing roof maintenance (\$2,912); Renew/recalk expansion joints (\$14,392); Renew/recalk windows and doors (\$35,980); replace AHU (\$24,675)	Bob Dutch/Bob Dillon
Scituate High School	\$ 981,702	Repair damaged asphalt sidewalk (\$9,130); Replace building mounted light fixtures (\$2,100), Replace roadway/parking signage (\$5,758); Ongoing roof maintenance (\$8,477); Replace EPDM 60 mil low rise roof (\$821,964); Facade painting and general repairs (\$49,000); Renew/recalk expansion joints (\$17,990); Renew/Recalk windows and doors (\$39,578); Replace rooftop package unit (\$27,976)	Bob Dutch/Bob Dillon
Performing Arts Center	\$ 1,540	Ongoing roof maintenance (\$1,540)	Bob Dutch/Bob Dillon
Gates Middle School	\$ 6,125	Ongoing roof maintenance (\$6,125)	Bob Dutch/Bob Dillon
	<b>\$ 1,073,458</b>		
Old Gates School	\$ 132,659	Routine sidewalk repairs (\$14,476); Replace metal railing (\$21,000); Repair tennis court/sport court (\$17,500); Ongoing roof maintenance (\$3,577); Replace FACP (\$10,010); Renew/recalk expansion joint (\$18,890); Renew/recalk windows and doors (\$47,206);	Kevin Kelly
Library	\$ 3,374	Routine brick pathway repairs (\$2,100); Ongoing roof maintenance (\$1,274)	Kevin Kelly
Town Hall/BOH	\$ 18,527	Ongoing roof maintenance (\$952); façade painting and general repairs (\$8,400); Renew/recalk expansion joints (\$2,699); renew/recalk windows & doors (\$6,476)	Kevin Kelly
Fire Station #1	\$ 27,822	Ongoing roof maintenance (\$656); Replace damaged siding (\$1,400); cut back and maintain overgrown vegetation (\$4,200); Concrete pavement maintenance (\$1,659); replace exterior common/service doors (\$1,400); commercial window replacement (\$18,506)	Kevin Kelly

### Facilities Plan - Year 5 (FY26) - \$2,880,829 (1410925.589000.25A3-)

Facility	Amount	Description of Work	Responsible Party to Execute
PSC	\$ 398,171	Ongoing roof maintenance (\$1,757); corridor finish refurbishment (\$384,076); kitchen refurbishment (\$12,338)	Kevin Kelly
Scituate Harbor Community Building	\$ 185,392	Replace fixed aluminum framed windows (\$1,413); façade painting and general repairs (\$182,000); Renew/recaulk windows and doors (\$1,979)	Kevin Kelly
WPA	\$ 46,976	Repair brick/stone retaining wall (\$3,619); Patching, crack sealing and striping of asphalt pavement (\$41,364); periodic slate tile roof repair (\$1,993)	Kevin Kelly
Maritime Center	\$ 7,121	Ongoing roof maintenance (265); replace operable vinyl frame windows (\$3,356); replace gas fired water heater (\$3,500)	Kevin Kelly
Harbormaster Office (GF item)	\$ -	Replace 20' gazebo (\$9,541)	
Highway Garage/Office	\$ 857	Ongoing roof maintenance (\$857)	Kevin Kelly
	<b>\$ 820,899</b>		
Mann House/Barn	\$ 84,009	Roof maintenance (\$700); routine concrete sidewalk repairs (\$840); replace roadway/parking signage (\$2,303); resurface gravel parking area (\$26,320); repair wood bridge/boardwalk (\$2,962); cedar roof replacement 9\$10,263) renew/recaulk windows and doors (\$847); restore existing windows (\$37,800); replace security camera and monitoring system (\$740)	Scituate Historical Society
Lighthouse & Residence	\$ 20,923	Replace parking area poles and lighting (\$11,844); replace parking/roadway signage (\$1,260); re-stripe parking spaces (\$3,738); renew/recaulk windows & doors (\$627); apartment kitchen cabinet replacement (\$2,714); replace security camera and monitor system (\$740)	Scituate Historical Society
Cudworth House	\$ -		Scituate Historical Society
Lawson Tower	\$ 210,000	Façade painting and general repairs (\$210,000)	Scituate Historical Society
	<b>\$ 314,932</b>		

**Facilities Plan - Year 5 (FY26) - \$2,880,829 (1410925.589000.25A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
<b>Enterprise fund projects which should not be supported from general fund</b>			
WWTP	\$ 103,426	New asphalt (\$1,810); ongoing roof maintenance (\$1,058); renew/recalk expansion joints (\$3,958); replace gas detectors (\$12,600); repairs to corroded plumbing (\$42,000); replace condensing boiler (\$54,600)	Wil Branton/Kevin Kelly
Harbormaster's Office	\$ 539,404	Localized full depth asphalt repairs (16,800); patching, crack sealing and striping of asphalt pavement (\$64,582); façade painting and general repairs (\$453,600) Replace operable vinyl framed windows (\$2,517)	Stephen Mone/Kevin Kelly
Water Garage/Office	\$ 5,011	Patch and repair concrete sidewalks (\$1,050); patching, crack sealing and striping of asphalt pavement (\$2,737); renew/recalk windows and doors (\$1,223)	Sean Anderson/Kevin Kelly
Transfer Station Garage	\$ 20,825	Ongoing repairs at office, trash center and recycling center (\$6,300); Interior office refurbishment (\$6,300); localized full depth asphalt repairs (\$2,961); patching, crack sealing and striping of asphalt pavement (\$5,264)	Sean McCarthy/Kevin Kelly
Widows Walk Maintenance Bldg.	\$ 2,877	Ongoing roof maintenance (\$1,197); interior refurbishment (\$1,680)	Ian Kelley/Kevin Kelly
	<b>\$ 671,543</b>		
<b>Grand Total</b>	<b>\$ 2,880,832</b>		





**Facilities Plan - Year 6 (FY27) - \$315,657 (1410926.589000.26A3-)**

<b>Facility</b>	<b>Amount</b>	<b>Description of Work</b>	<b>Responsible Party to Execute</b>
Jenkins School	\$ 33,143	Ongoing roof maintenance (\$2,912); Replace AHU (\$30,231)	Bob Dutch/Bob Dillon
Scituate High School	\$ 8,477	Ongoing roof maintenance (\$8,477)	Bob Dutch/Bob Dillon
Performing Arts Center	\$ 1,540	Ongoing roof maintenance (\$1,540)	Bob Dutch/Bob Dillon
Gates Middle School	\$ 6,125	Ongoing roof maintenance (\$6,125)	Bob Dutch/Bob Dillon
	<b>\$ 49,285</b>		
Old Gates School	\$ 45,024	Ongoing roof maintenance (\$3,577); Replace water source pump (41,447)	Kevin Kelly
Library	\$ 51,464	Ongoing roof maintenance (\$1,274); Exterior painting (\$4,900); Corridor area refurbishment (\$42,000); Kitchen refurbishment (\$3,290)	Kevin Kelly
Town Hall/BOH	\$ 2,352	Ongoing roof maintenance (\$952); unit ventilators (\$1,400)	Kevin Kelly
Fire Station #1	\$ 56,472	Ongoing roof maintenance (\$656); Replace damaged siding (\$1,400); exterior painting (\$9,126); common area refurbishment (\$42,00); Kitchen refurbishment (\$3,290)	Kevin Kelly
PSC	\$ 1,757	Ongoing roof maintenance (\$1,757)	Kevin Kelly
Scituate Harbor Community Building	\$ 2,463	Replace fixed aluminum framed windows (\$1,413); replace residential water heater (\$1,050)	Kevin Kelly
WPA	\$ -		Kevin Kelly
Maritime Center	\$ 3,621	Ongoing roof maintenance (\$265); replace operable vinyl framed windows (\$3,356)	Kevin Kelly
Highway Garage/Office	\$ 857	Ongoing roof maintenance (\$857)	Kevin Kelly
	<b>\$ 164,010</b>		
Mann House/Barn	\$ 700	Roof maintenance (\$700)	Scituate Historical Society
Lighthouse & Residence	\$ 700	Exterior trim painting (\$700)	Scituate Historical Society
Cudworth House	\$ 490	Repair damaged siding (\$490)	Scituate Historical Society
Lawson Tower	\$ 1,008	Replace wood insulated windows (\$1,008)	Scituate Historical Society
	<b>\$ 2,898</b>		

**Facilities Plan - Year 6 (FY27) - \$315,657 (1410926.589000.26A3-)**

Facility	Amount	Description of Work	Responsible Party to Execute
<b>Enterprise fund projects which should not be supported from general fund</b>			
WWTP	\$ 56,796	Repair damaged areas of concrete sidewalk (\$3,080); ongoing roof maintenance (\$1,058); Exterior trim painting (\$4,900) and repairs to corroded plumbing (\$42,000)	Wil Branton/Kevin Kelly
Harbormaster's Office	\$ 4,151	Replace operable vinyl framed windows (\$2,517); 3-phase unit heater (\$1,634)	Stephen Mone/Kevin Kelly
Water Garage/Office	\$ -		Sean Anderson/Kevin Kelly
Transfer Station Garage	\$ 17,640	Ongoing chain link fence replacement (\$6,720); Replace 4' aluminum fence (\$2,870); continued maintenance on ancillary and maintenance pavilions (\$3,150); repair damaged siding and soffits in all areas (\$4,900)	Sean McCarthy/Kevin Kelly
Widows Walk Maintenance Bldg.	\$ 20,877	Ongoing roof maintenance (\$1,197); interior refurbishment (\$1,680); replace metal wall panels (\$18,000)	Ian Kelley/Kevin Kelly
	<b>\$ 99,464</b>		
<b>Grand Total</b>	<b>\$ 315,657</b>		

**Schuata 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
Jenkins 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
Schuata 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	\$1,540
Gates 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 Drifway	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	\$231,669	\$1,757	\$39,770	\$1,757	\$1,757	\$398,171	\$1,757
Water Garage/Office	4 Old Oakon Bucket Rd	Service	6,480	1900	\$20,112	\$840	\$46,546	\$162,685	\$1,680	\$0	\$6,650	\$0	\$5,011	\$0
Highway Garage/Office	68 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 Sta. Garage	280 Drifway	Service	1,200	1970	\$2,591	\$13,747	\$132,376	\$41,405	\$0	\$10,920	\$13,020	\$24,045	\$20,825	\$17,640
Schuata 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 Drifway	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>\$534,458</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>

**Town of Scituate**  
**Capital Plan - FY 2023-2027**  
**Sorted by Department, Year & Project Number**

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
69	Inflow & Infiltration Recommended 2021 Priority Areas*	2023-440-01	Sewer	2023	S	\$ 4,043,285	
68	SCADA Phase 5*	2023-440-02	Sewer	2023	S	\$ 286,950	
52	Replace #5-1 2005 Ranger with 4x4	2023-440-03	Sewer	2023	S	\$ 71,036	
57	Automated Aeration Valves	2023-440-04	Sewer	2023	S	\$ 85,000	
67	Inflow & Infiltration	2023-440-06	Sewer	2023	S	\$ 220,000	
42	Laboratory Rehabilitation	2023-440-07	Sewer	2023	S	\$ 100,000	
51	Influent Grit Removal	2024-440-01	Sewer	2024	S	\$ 2,050,000	
73	Inflow & Infiltration	2024-440-02	Sewer	2024	S	\$ 220,000	
59	Replace UV System	2024-440-03	Sewer	2024	S	\$ 700,000	
36	Replace Truck #5-4	2024-440-04	Sewer	2024	S	\$ 58,000	
55	Rehab First Parish Pump Station	2024-440-05	Sewer	2024	S	\$ 123,000	
55	RAS Capacity	2024-440-06	Sewer	2024	S	\$ 360,000	
64	Infiltration/Inflow Chain Pond	2024-440-07	Sewer	2024	S	\$ 4,200,000	
66	Sewer Expansion North Scituate	2025-440-01	Sewer	2025	S	\$ 6,694,350	
61	Influent Pump Upgrade	2025-440-02	Sewer	2025	S	\$ 1,630,000	
55	Replace WWTP Generator	2025-440-03	Sewer	2025	S	\$ 440,000	
69	Inflow & Infiltration	2025-440-04	Sewer	2025	S	\$ 220,000	
55	Structural Repairs at Wastewater Treatment Plant	2025-440-05	Sewer	2025	S	\$ 250,000	
57	Clarifier Replacement	2025-440-06	Sewer	2025	S	\$ 1,250,000	
66	Sewer Expansion North Scituate	2026-440-01	Sewer	2026	S	\$ 33,471,750	Betterments
71	Inflow & Infiltration	2026-440-02	Sewer	2026	S	\$ 220,000	
34	Replace Truck 5-2	2026-440-03	Sewer	2026	S	\$ 61,000	
48	Sewer Jetting & Cleaning Vehicle	2027-440-01	Sewer	2027	S	\$ 533,500	
71	Inflow & Infiltration	2027-440-02	Sewer	2027	S	\$ 220,000	
<b>Total FY2023-2027</b>						<b>\$ 57,507,871</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
34000580	589000	173FF	Cedar Point Inflow & Infiltration	54,515.00
34000580	589000	21A3V	SEWER FACILITIES PLAN	660,000.00
64440915	589000	15A3R	Upgrade Sand Hills Pump Station	421.92
64440917	589000	173HH	Rehabilitation Clarifier 3	14,148.46
64440918	589000	183HH	Aeration Tanks 1 & 2 Rehab	38,280.00
64440918	589000	183II	Sand Hills & Chain Pond Final	42,285.98
64440919	589000	19A3P	DEWATERING HEATING SYSTEM	100,000.00
64440919	589000	19SJ2	FIBER CAPITAL OUTLAY	3,990.70
64440919	589000	19A3O	OSHA & SPCC COMPLIANCE	30,000.00
64440919	589000	19A3N	SCADA PHASE 4	180,163.58
64440919	589000	19S33	SECURITY UPGRADES	19,059.74
64440920	589000	203BB	CLARIFIER LAUNDER COATING	75,000.00
64440920	589000	203AA	I & I MEASURES	44,519.59
64440920	589000	203CC	SEWER MAIN INSPECTION PROGRAM	2,249.92
64440921	589000	21A3U	CLARIFIER UPGRADE	180,001.00
<b>Sewer Enterprise Total</b>				<b>1,444,635.89</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21 Date of Last Edit: 10-13-21

Project Number:	2023-440-01
Project Title:	Inflow and Infiltration 2021 Recommended Priority Areas
Category:	Construction
Department: DPW Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is: New  Recurring  Resubmission

Multiyear  Phase - Final

**Description:**

This project will be to remove up to 313,000 GPD (gallons per day) of I+I (Inflows and Infiltration) from the sewer system. This will be accomplished by installing sewer main liners, repairing grout leaks and performing top hat lateral connection repairs. A significant portion of this work is being designed to utilize trenchless options, except where needed. In addition to addressing priority leak areas 5,100 feet of liner will be installed within the Oceanside Drive interceptor. The liner will ensure that leaks fixed in surrounding areas don't travel down and affect the interceptor. This will involve heavy cleaning of the existing sewer mains to remove roots and FOG (fats oil and grease) as well. Areas where excavation will be needed include the following streets and roadways: Hawley, Tilden, Seaview, Egypt Beach, Borden, Curtis, Richfield Extension, Wellesley and Bay Ridge. Excavations will include replacement of 2,510 feet of 8 inch sewer mains. Excavation portions includes replacement of private services up to the building foundation.

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

Once complete this project will prevent up to 313,000 gpd of I+I from entering the town's sewer system. This project is part of a series of sewer capacity restoration projects to increase capacity of the Town's sewer system to prepare the department for sewer expansions. If not completed the existing defects will worsen over time. Resulting in higher levels of I+I entering the sewer system and potentially resulting in greater frequency of backups or overflows for these sections. The WWTP (Waste Water Treatment Plant) is currently operating above 80% of its permitted capacity. This requires annual submission of collection system reports and ongoing projects to address restoring capacity and removing I+I. A significant portion of these costs were already approved at prior town meeting, this request will fund the remaining anticipated costs for these projects.

**Discuss Operating Budget Impact:**

Annual average treatment costs at the Scituate WWTP are approximately \$2.51 per gpd of flows. The priority areas will remove I+I from the system at a rate of \$24 per gpd. Representing a ten year period of return for the investment. This project has the added benefit of replacing old infrastructure utilizing new materials and methods that will offer greater reliability and reduced risk of leaks and backups. This project will also include removing roots and FOG from the sewer mains which will prevent costly emergency response calls for blockages.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply	
		FY2023	FY2024	FY2025	FY2026	FY2027		
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy	
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt	
Construction	\$3,515,900	\$3,515,900					<input checked="" type="checkbox"/> Enterprise Retained Earnings	
Equipment/Furnishings	\$0						<input type="checkbox"/> Capital Stabilization	
Contingency	\$527,385	\$527,385					<input type="checkbox"/> Free Cash	
Other	\$0						<input type="checkbox"/> Revolving Fund	
<b>TOTAL</b>	<b>\$4,043,285</b>	<b>\$4,043,285</b>	<b>\$0</b>	<b>\$0</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>\$4,043,285</b>	<b>\$4,043,285</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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



# Select Board Presentation September 21, 2021

Sanitary Sewer Evaluation Survey (SSES)

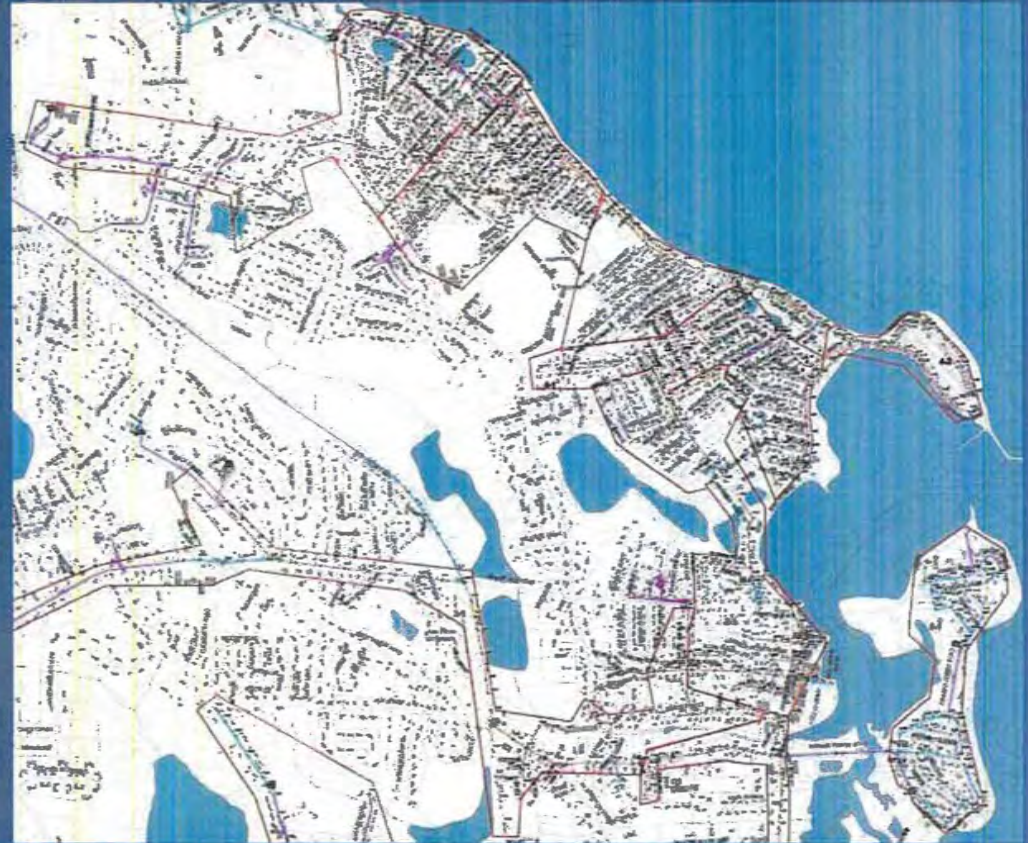




# Investigation Work

Infiltration = groundwater  
Inflow = rainwater

- Focus on older sewers
- Egypt Beach to First Parish Road
- Smoke Testing 103,000 feet
- Flow Gauging 95 locations
- Manhole Inspection 300 manholes
- CCTV 63,000 feet





# Findings

- Inflow 40,000 to 90,000 gpd
  - 13 definite sources – 8 on private property
  - 58 possible sources
  - Manholes - possible significant inflow
- Infiltration
  - Is “up hill” from the ocean
- Flow Gauging up to 480,000 gpd
  - 60% from 8 locations
  - 80% from 13 locations
- Manholes up to 2,000 gpd
  - Negligible infiltration
- CCTV up to 400,000 gpd
  - Building service joints and lines (~50% of sources)



# Recommendations Summary

- Town Work
  - Private Inflow Sources up to 30,000 gpd
- Trenchless Rehabilitation up to 210,000 gpd  
\$3.7 million (\$17 / gpd)

Description of Work	Quantity	% Removal
12" CIPP Liner	400 feet	100
8" CIPP Liner	28,300 feet	100
Grout Leaks	75 leaks	50
Heavy Cleaning to Remove Roots and FOG (Fats, Oils, Grease)	2,040 feet	N/A
"Top Hat" Lateral Connection Repairs	567 each	50



# Trenchless Rehabilitation Program

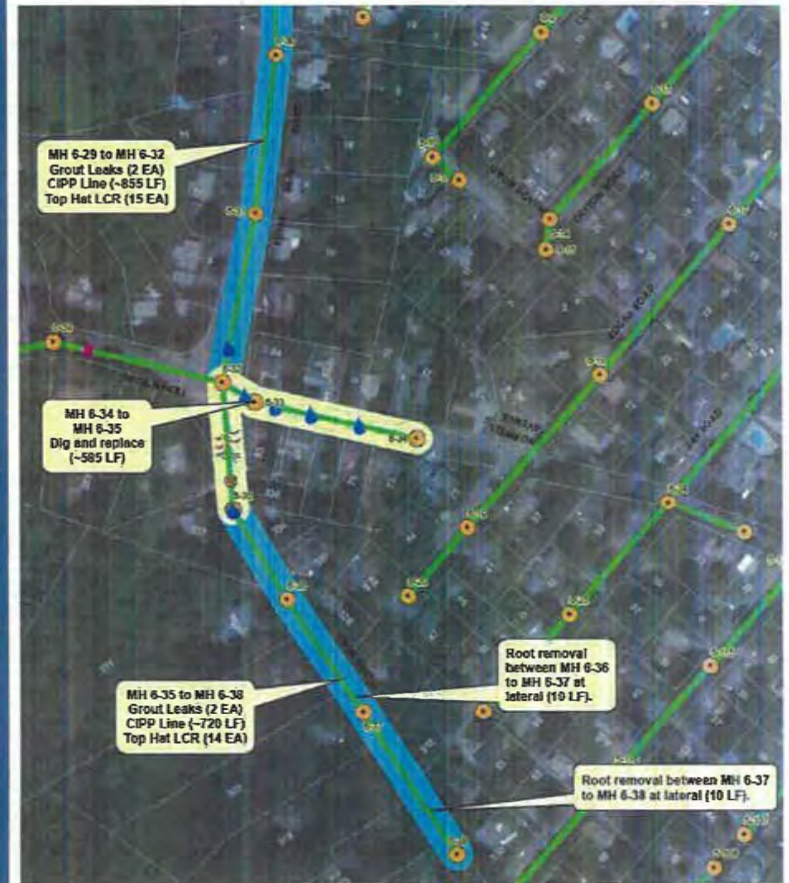
## Rehabilitation Work



# Recommendations Summary

Excavation Projects      Top 3 = up to 103,000 gpd

Phase / Priority	Locations	Project Cost	Estimated Infiltration Removed (gpd)	Cost per gpd
1	Egypt Beach Road, Tilden Road, and Borden Road	\$ 1,419,600	63,360	\$ 22
2	Hawley Road, Tilden Road, and Sea View Avenue	\$ 1,316,300	28,100	\$ 47
3	Replace building services (20 total)	\$ 450,000	11,500	\$ 39
4	Lev Road, Third Avenue, First Avenue, and Langley Road	\$ 1,214,000	14,400	\$ 84
5	Bay Street, Tilden Road, and Birch Road	\$ 730,000	3,600	\$ 204
6	Tenth Avenue, and 11th Avenue	\$ 2,795,000	8,640	\$ 323
7	Turner Road, Marion Road, Jericho Road, and Kenneth Road	\$ 1,689,000	720	\$2,346
8	Reine Place, Eric Place, and Harbor Heights Road	\$ 2,475,000	720	\$3,438



# Update Sewer Rules and Regulations

Article IV – Building Sewers and Connections

Article X – Sewers in New Subdivisions

For all sewer installation, add:

All joints in sewer mains, sewer services, and sewer infrastructure shall be double-wrapped with a self-adhesive external PVC (10 Mil minimum) or EDPM rubber wrap (30 Mil minimum) tape, with a minimum wrap width of 6-inches.



# Updates to Sewer Rules and Regulations – Inflow Penalty

## Article IX – Penalties and Appendix A – Fee Schedule

- M.G.L. Part 1, Title VII, Chapter 40, Section 21
  - **\$300** per violation of Town's bylaw, except:
    - "(6) For regulating, under a penalty not exceeding **fifty dollars** for each offence"
    - Taunton, MA
- M.G.L. Part 1, Title XIV, Chapter 83, Section 10
  - Common Sewers:
    - "may prescribe civil penalties, not exceeding **five thousand dollars** for each day of violation"
    - Westwood, MA
- Alternative Penalties
  - Lunenburg, MA: \$500 per month
- **Recommendation**
  - **Minimum \$1,000 per month after 90-day grace period**





## Summary of Recommendations

- Work with property owners to remove up to 30,000 gpd of inflow from private property
- Bid a primarily trenchless rehabilitation project to target up to 210,000 gpd of infiltration
  - Work will also remove 11,500 gpd of inflow
- Prioritize excavation (dig and replace) projects to target 100,000 gpd of infiltration
- Amend Sewer Rules and Regulations to address leaking pipe joints (especially in building services) and private inflow sources



THANK YOU

ENVIRONMENTAL  
 PARTNERS  
— An Apex Company —



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21

Date of Last Edit: 9-24-21

Project Number:	2023-440-02
Project Title:	SCADA Phase 5
Category:	Equipment
Department: DPW Sewer	Contact: William Branton

**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 checked="" type="checkbox"/>	Phase - 5	

**Description:**

This phase of SCADA (Supervisory Control and Data Acquisition) system upgrades will consist of several priority tasks including:

- Surveying radio pathways for feasibility of using radio communications for pump stations in town.
- Converting and integrating the communications for the First Cliff Pump Station.
- Providing regular computer updates and services to ensure system stability.
- Integration of three VFDs (Variable Frequency Drives).
- Septage receiving upgrades.

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

This project will benefit the department by providing a new communications route potentially using radio pathways. This will restore or maintain communications at the pump stations in town. The existing copper leased lines are being phased out for support and there is currently one station location where the existing communications have failed and cannot be restored. A new septage receiving and screening unit has been installed at the WWTP (Waste Water Treatment Plant). Integrating this system with SCADA will prevent and detect breakdowns of the machine and reduce the risk of property damage or injury should there be an equipment failure or malfunction.

**Discuss Operating Budget Impact:**

Integration and upgrading systems for VFDs and septage receiving will decrease electrical and maintenance costs for the facility. Integrating VFDs allows the facility to operate motors more efficiently so that their speeds can automatically regulate. This increases electrical efficiency and decreases wear and tear on the equipment connected. Cyber security updates and routine software service will ensure that the Town's SCADA system is resilient against the risk of cyber attack. A single cyber attack could result in a litany of potentially disastrous scenarios. In order to ensure safe and continued operation of the SCADA system and to avoid unplanned expenses it will be essential to commit to ongoing cyber security measures. After the first year the costs for ongoing services should be included in the ongoing operating costs for the facility to maintain SCADA systems.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$12,500	\$12,500				
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$249,500	\$249,500				
Contingency	\$24,950	\$24,950				
Other	\$0					
<b>TOTAL</b>	<b>\$286,950</b>	<b>\$286,950</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>\$286,950</b>	<b>\$286,950</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	\$5,000
Post-Project One-time	\$0

# MEMORANDUM

**TO:** Kevin Cafferty, Director of Public Works

**FROM:** Michael Paulin/Bill Ellis, Weston & Sampson

**DATE:** September 23, 2021

**SUBJECT:** WWTF SCADA Upgrades – Additional Recommendations (Phase 4)

**CC:** William Branton, Sewer Division

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The following is a status update on the Wastewater Treatment Facility (WWTF) Supervisory Control and Data Acquisition (SCADA) System Upgrades project, including recommendations and estimated costs to complete the next round of upgrades at the WWTF.

Work on the upgrades project has been on-going since July 2015. As detailed in previous memorandums, specific priority tasks were originally identified by the Town to upgrade old and outdated equipment at the treatment facility. The Tasks completed during Phase 1 and 2 of the upgrades included new SCADA computer and software upgrades, new Control Room Uninterruptible Power Supply (UPS), upgrades to two of the four Programmable Logic Controller's (PLC's), Filter Panel upgrades, Polymer Panel upgrades and coordination of the Chain Pond and Sand Hills Pump Station SCADA improvements. Recently, Phase 3 of the upgrades was completed, including the remaining two PLC's (LCP-1 and LCP-2), integration of the Plant Water system, and additional programming to provide screen adjustments, updates and revisions to meet the needs of the plant operation staff.

Several of the priority tasks included in the previous Phase 3 Memorandum have been completed by the Town and/or under separate contract (or are no longer priority tasks), including upgrades to the polymer panel at the disinfection building, security camera installation, upgrade of the wireless bridge network to fiber optic cable, back-up flash drive boot disk, and septage building upgrades.

Below are recommendations and cost estimates for the next phase (Phase 4) of SCADA upgrades for the facility:

## **Priority Task 1 – Remote Site Communications (Radio Path Study)**

The Town currently utilizes leased phone lines for remote site communications. The leased lines are currently overloaded, which leads to inconsistent signal strength. A radio path study would be performed

to verify communication strength and to test for proper antenna locations related to incorporation of the town's wastewater pump stations into the SCADA system via radio technology, rather than continued reliance on troubled hardline connections. The study would include on-site field measurements based on 220 Mhz and a full detailed report with recommendations.

Upgrades were recently completed at the Chain Pond and Sand Hills wastewater pump stations, therefore the radio path study would include the remaining seven (7) pump stations in town, as well as up to three (3) additional sites that would be determined by the town – for a total of up to ten (10) sites included in the study. It is our understanding that these remaining stations/sites include:

- First Parish Road
- Herring Brook
- Country Way
- Edward Foster Road
- Peggotty Beach Road
- Collier Road
- Musquashicut Avenue
- TBD
- TBD
- TBD

- **Installed Cost**            **\$12,500**

#### **Priority Task 2 – Integration of Edward Foster Road Pump Station (pending radio path study results)**

As detailed above, the Town currently utilizes leased phone lines for remote site communications. The leased lines are currently overloaded, which leads to inconsistent signal strength. Pending the results of the radio path study to be performed under Task 1, the Town would like to proceed with the integration of the Edward Foster Road Pump Station, located on First Cliff.

As with the Chain Pond and Sand Hills wastewater pump stations which were recently completed, additional system requirements to integrate the Edward Foster Road pump station into the town's SCADA system successfully include FCC licensing; a radio, PLC and antenna at the WWTF for the polling Master; radio, power supply, and antenna at the pump station; and PLC processor upgrade at the pump station to communicate via ethernet.

- **Installed Cost**            **\$32,500**

#### **Priority Task 3 – Integration of Remaining Pump Stations**

As detailed above, the Town currently utilizes leased phone lines for remote site communications. The leased lines are currently overloaded, which leads to inconsistent signal strength. Pending the results of the radio path study to be performed under Task 1 and integration of the Edward Foster Road pump station under Task 2, additional system requirements would be required to integrate the remaining six (6) pump stations into the Town's SCADA system.

As with the Edward Foster Road pump station detailed above under Task 2, incorporation of the remaining stations into the town's SCADA system successfully include FCC licensing; a radio, PLC and antenna at the WWTF for the polling Master; radio, power supply, and antenna at the pump station; and PLC processor upgrade at the pump station to communicate via ethernet.

Similar to the Edward Foster Road pump station detailed above (with the exception of the work at the WWTF), the estimated cost will be approximately \$25,000 per station, installed, for the remaining six (6) pump stations.

- **Installed Cost**           **\$150,000**

#### **Priority Task 4 – Computer Software Updates**

The Town recently purchased new computers that will require software uploads and updates to Windows 10, including additional Win911 modem and reporting software. Integration of Trojan UV into the SCADA system will also be included in this Task. As part of this Task, the Town must activate cellular service on the modems.

- **Installed Cost**           **\$6,000**

#### **Priority Task 5 – Quarterly SCADA Service**

In combination with Task 3, this Task will include quarterly SCADA service to install required software updates and correct programming issues to meet the needs of the plant operation staff

- **Installed Cost**           **\$5,000/year**

#### **Priority Task 6 – Aeration Blower Variable Frequency Drives (VFD's)**

The Aeration Blower building includes three (3) variable frequency drives (VFD's) that will require installation of point I/O's for connection to the existing SCADA system computers. This Task includes all wiring and conduit between the VFD's and the filter panel in the basement of the Blower building, I/O to include VFD speed control, speed feedback, run status, fault status and start/stop control.

- **Installed Cost**           **\$16,000**

#### **Priority Task 7 – Septage Receiving Upgrades**

The Town is currently completing upgrades to the Septage Building/Receiving Facility. Integration of the Septage building would include the following:

- Coordinate installation of two (2) replacement septage pumps and VFD's, pumps and drives (already acquired by the Town)
- Integrate septage pumps and VFD's with SCADA system
- Integrate septage receiving unit with SCADA system (conduit already installed from new Septage Receiving Building to the Blower Building for running communications wiring)
- Provide and install septage tank level sensor on both septage tanks

- Provide, install and integrate valve position sensors on the two (2) discharge lines from the septage pumps and integrate with SCADA system for interlocks to prevent septage pump operation in the event that discharge valves are closed
  - Provide and install flow meter on septage discharge line
  - Create a new screen for Septage Building(s) and equipment, and provide the following controls and alarms:
    - Alarm conditions for pumps
    - Pump and equipment run status
    - Indicators for valve position
    - Alarm conditions for the septage receiving unit
    - Hand, Off, Auto soft switch on SCADA for pump controls
    - Flow meter totalizer for septage discharge
    - Display septage tank level
    - Integrate septage receiving unit control panel
- **Installed Cost            \$40,000**

### Cost Summary

The following is a Summary of the estimated upgrade costs discussed in this Memorandum above for Phase 4 of the SCADA upgrades at the WWTF:

Task	Estimated Cost
Task 1 – Radio Path Study	\$12,500
Task 2 – Edward Foster Road PS Integration	\$32,500
Task 3 – Integration of Remaining Pump Stations	\$150,000
Task 4 – Computer Software Updates	\$6,000
Task 5 – Quarterly SCADA Service (Year 1)	\$5,000
Task 6 – Aeration Blower VFD's	\$16,000
Task 7 – Septage Receiving Upgrades	\$40,000
<b>Totals</b>	<b>\$262,000</b>

In summary, in order to complete all of the remaining SCADA upgrade priority tasks on the project as detailed above, the estimated cost will be approximately **\$262,000**.

We appreciate the opportunity to provide this Memorandum and we look forward to continuing to work with the town to complete the SCADA system improvements at the Wastewater Treatment Facility

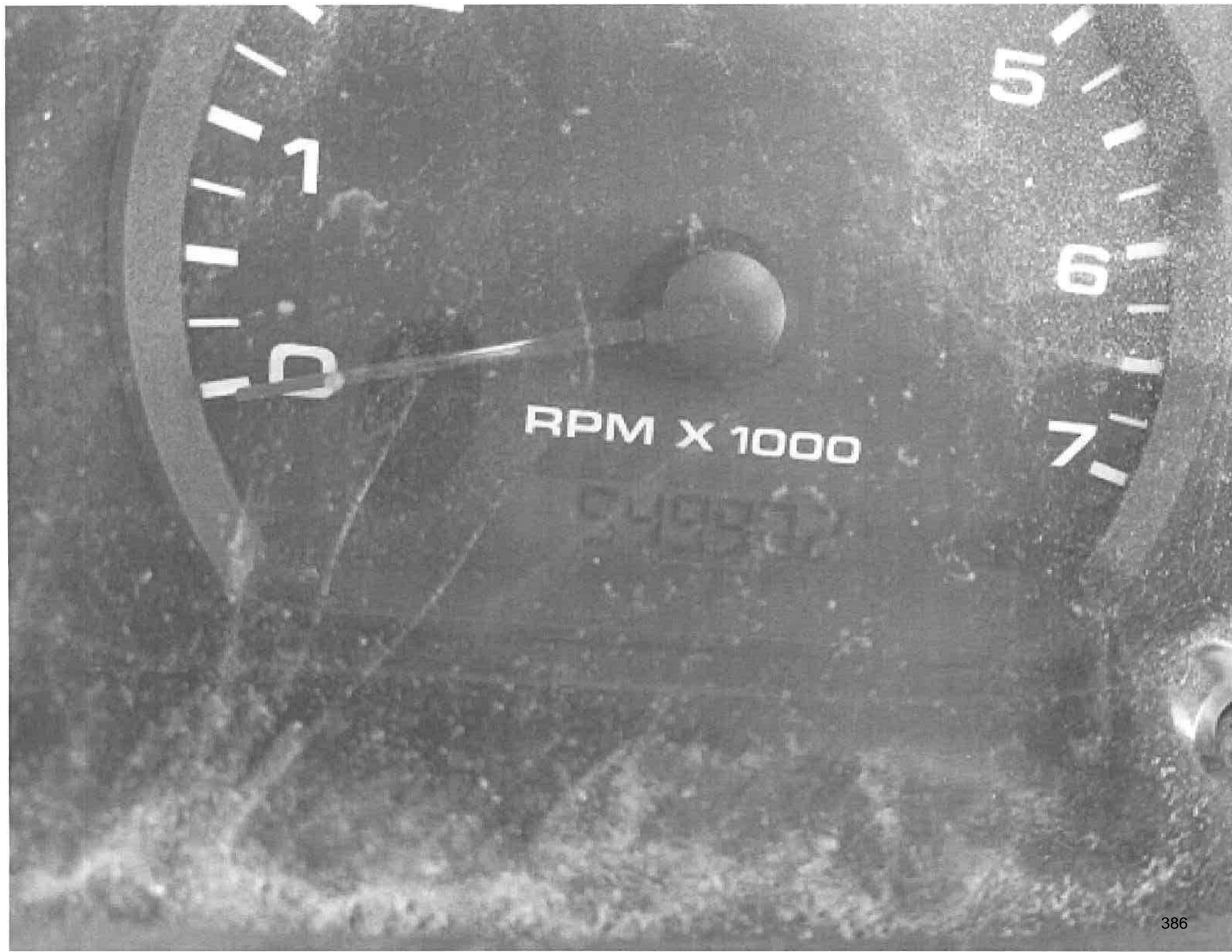
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Massachusetts  
78-745  
OFFICIAL



RPM X 1000



# Liberty Chevrolet



Scituate DPW, Sewer Division  
161 Driftway  
Scituate, MA 02066  
Attn.: Will Branton, Sewer Division Supervisor

September 27, 2021

Dear Mr. Branton,

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

- 2022 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                                 \$35,886.00

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
GAO	Northsky Blue Exterior Color	

Additional Contract Options:

5071	Whelen Mini Liberty LED Lightbar	\$ 1,500.00
5083	2 Whelen Vertex Corner Flashers, Front	\$ 720.00
5083	2 Whelen Vertex Corner Flashers, Rear	\$ 720.00
5114	Fisher 8' HD2 Snow Plow System	\$ 8,470.00
5132	Fisher Snow Foil	\$ 880.00
5031	Spray-in Type Bedliner for Pick up	\$ 990.00
5022	Slide-in Combination Pintel/Ball Hitch	\$ 192.00
5002	4' Black Tube Steps	\$ 770.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$52,353.00</b>

Liberty Chevrolet currently has this truck on order with GM, order #ZXXVHT, color Dark Blue. Please note that this unit is subject to prior sale, therefore please contact me as soon as a purchase decision is made so that it may be secured for your department. GM has stopped accepting orders for the 2022 Silverado, therefore, if this unit becomes unavailable, I will not be able to deliver another unit for the price quoted.

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

**SPECIFICATION SHEET**

**TYPE:** The Crane shall be a fold a way bumper mounted type, 77" wide (3) for mounting to standard Full-Size Pickups.

**CAPACITY:** The Crane shall have a designated lifting capacity of 1500 lbs. single line and 2500 lbs. double line using a traveling block with safety hook.

**BOOM HEIGHT:** (1) The Boom shall be a fixed position boom with an overall height of 77" & 85" from top of bumper.

**BOOM LENGTH:** (2) The Boom shall have a fixed length of 45".

**ROTATION:** The Crane shall have a 360-degree continuous manual rotation on machined surfaces, with two needle bearings and one thrust bearing that are environmentally sealed.

**HOIST:** The Hoist Motor shall be 12 volt D.C. powered, with a dual internal breaking system. Hoist shall have power up and power down.

**CABLE:** (6) The Cable shall be 35' x 7/32" in diameter galvanized aircraft quality cable, with a single line breaking strength of 5600 lbs., and a safety hook.

**CONTROL:** A Hand Held Pendant Control, 10 feet in length, shall be furnished for controlling the hoisting function and shall be 12 volt D.C. powered. Pendant Control shall be weather resistant, with a solid rubber grip.

**POWER SOURCE:** The Power Source shall be the vehicles own 12-volt D.C. battery.

**OUTRIGGER:** The Crane shall have a permanently attached swing down adjustable outrigger, to increase stability and reduce the loading to the vehicle's suspension.

**HITCH:** The Bumper shall have a factory installed Class 4 Receiver type hitch. This Hitch is rated at 10,000 lbs. of drawbar pull and 1,200 lbs. vertical Hitch load. \*\*\**(Vehicle's rated towing capacity may be less)*

**MOUNTING:** The Crane shall be provided with all necessary wiring, brackets, fasteners, and hardware, for bolt on mounting to the vehicle's frame.

**WIRING:** The Crane shall be pre-wired from the factory and tested. The Cranes entire electrical system shall be circuit breaker protected.

**SAFETY:** The Crane shall be designed and manufactured according to the applicable ANSI standards for mobile cranes. The Crane shall be clearly marked with Maximum Load & Warning Decals.

**MAN-LIFT:** The Crane shall be OSHA & ANSI compliant as a Man-Lift for Confined Space Activities when equipped with the optional WO-CSR Confined Space Rescue & Recovery System.

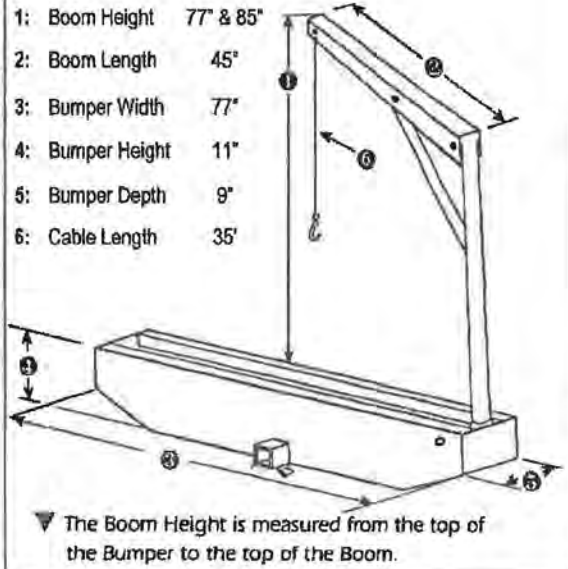
**CONSTRUCTION:** The Bumper shall be of 2" X 5" tubular steel construction. The Mast shall be seamless DOM tubing with strong back. The Boom shall be formed from 1 piece of 3/16" ASTM A572 Grade 50 High Tensile Steel. All Sheaves shall be steel with sealed roller bearings. All Sheave Pins shall be made from plated stress proof steel.

**DOCUMENTATION:** The Crane shall be furnished with detailed Installation Instructions, Operation and Safety Instructions, Parts List, and Maintenance Instructions.

**FINISH COATING:** The Crane shall be finished with a durable Powder Coating, semi-gloss black.

**WARRANTY:** Manufacturer shall warrant the materials and workmanship for a period of one year from the date of delivery (excluding cable).

- 1: Boom Height 77" & 85"
- 2: Boom Length 45"
- 3: Bumper Width 77"
- 4: Bumper Height 11"
- 5: Bumper Depth 9"
- 6: Cable Length 35'



**NOTE: OPTIONS AND ACCESSORIES ARE AVAILABLE FOR THIS MODEL**  
See "Options & Accessories Specifications" for details.



# Metropolitan Truck Center Inc.

# Service Estimate 18251

Name	Town Of Scituate(Sewer)Dep	Company	Created	10/14/21	Year	2017
Address	161 Driftway	Address 2	Time	3:36 PM	Make	CHEVROLET
Home	Scituate, MA 02066	V.I.N. #	Promised	Paul	Model	K2500 HD
Work	781-545-8731(32)	Eng/Trans	Advisor	RE	Lic.#	
Fax			Division		Unit#	
			PO#		PH#	
			Page#	1 of 1		

### Job Description

Supply and install a (Western Mule Fold Away Crane) on customers chassis. Line Total 7709.00

**Model #A-2000-WO-16-WO-17-15-14**

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

### UNIT SERIAL #

Part Number	Description	QTY
A2000	WESTERN MULE #2000 C	1
WA-15	REM.CRANK DWN OUT O	1
WO14	Rotation Lock 12 Positio	1
WO16	WES.MULE ALUM.COVE	1
WO17	WEST.MULE LOWER BU	1

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	\$600.00
Parts	\$7,109.00
Sublets	\$0.00
Freight	\$311.00
Subtotal	\$8,020.00
Tax	\$0.00
<b>Total</b>	<b>\$8,020.00</b>

11/02/2016

\*\*QUOTE\*\*

1

73417

TOWN OF SCITUATE  
SEWER DIVISION  
161 DRIFTWAY  
SCITUATE MA 02088

TOWN OF SCITUATE  
SEWER DIVISION  
161 DRIFTWAY  
SCITUATE MA 02088

CUSTOMER P.O.

ORDER NO.

32003

6251-562-8136

01 000741 000

1 1 8 11/2 2016 11/11/16

RII

4438 80EA\*

4438 80

INSTALLATION CHARGE

IF FREDERICKSON BRD IS TO

INITIAL FLOW ON VEHICLE

ADD

NONCONTRACTING CHARGE

450.00

FRIGHT

TAXABLE SUB TOTAL

TAX STATUS STATE

SALES TAX

PLEASE PAY

Any warranties on the product sold hereby are those made by the manufacturer. The seller hereby expressly disclaims all warranties, either express or implied, including any implied warranty of merchantability or fitness for a particular purpose, and the seller neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products. Any limitation contained herein does not apply where prohibited by law.

CUSTOMER SIGNATURE

\*\*QUOTE\*\*





# 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

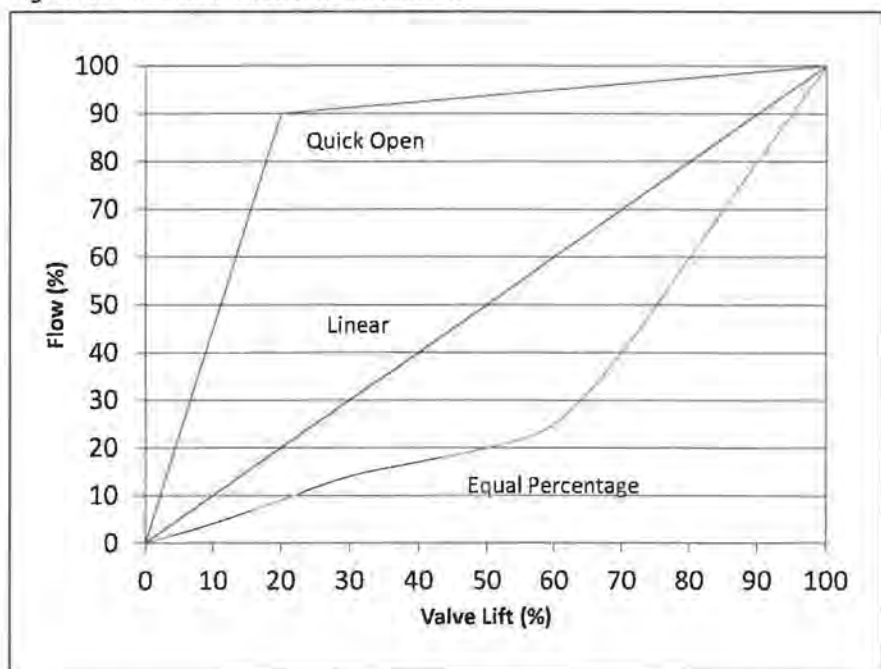
plants in Ontario, with heating and ventilation running a close second.

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

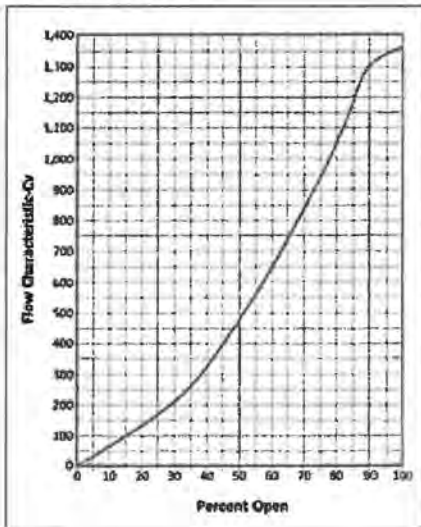


**Improved Design Of Butterfly Valves**  
Industrial butterfly valves were originally and are still used as 'shut off' valves. While butterfly valves are not good control valves, they are used almost exclusively for this purpose in air lines at aeration basins throughout North America. Why? Aeration 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



## Iris Valve

An iris valve resembles the human eye in that the central aperture becomes smaller and smaller as the valve closes (Figure 5).

Unlike the butterfly valve, there is no obstruction in the central portion of the flow path, which, in many cases, results in a reduced pressure drop. There are approximately 400 iris valves installed in North America to date with the oldest installation dating back to 2010. Iris valves are typically sized one to two sizes smaller than their butterfly valve counterparts. The characteristic curve is typically linear from about 25 to 80% open. Control is stable over a range of 17 to 94% open, and the gain equation is met throughout the range. The gain equation (c.f. sensitivity) stipulates that, for a position change of 10%, flow cannot change more than 20% or less than 5% (Figure 6).

The term “h” in Figure 6 is the position of the valve-regulating element in percent fully open from 0 to 100. Therefore, “h100” is the position when the valve is fully open. The term “Q”

is flow. The flow is to be controlled between a minimum (Qmin) and maximum value (Qmax). The controller can move the valve through its full range from fully closed to fully open. However, control is normally over a minimum to maximum flow range, which means the valve does not fully close or open when controlling the flow. The reader can compare the characteristics of the two valves against an ideal linear characteristic shown as a dotted line, (BKLlin). The butterfly valve is slightly more than 40% open at Qmin and 65% open at Qmax. The iris valve is 24% open at Qmin and 90% open at Qmax. The actuator will move the valve a fixed value with each control action. The actuator will move the butterfly valve over 25% of its range while the actuator will move the iris valve over 66% of its range. Another issue with the butterfly valve is that its full range is only 90 degrees as it is a quarter turn valve. This means the butterfly valve control is only over 23 degrees. These are the reasons that a control loop with an iris valve will have a higher degree of controllability than a loop with a butterfly valve.

These valves are not bubble tight when closed. Leakage is approximately 1%. Egger recommends a butterfly isolation valve is included to allow for better sealing, installed so the shaft is horizontal. They also indicate the isolation valve is beneficial for flow straightening. While this would seem to be detrimental to the goal of decreased pressure drop, Egger indicates that DO set point repeatability is improved. Refer to Figure 7, which is reproduced from an actual plant SCADA screen illustrating how closely the DO reading tracks the set point when an iris valve is used. Egger targets a 7 to 9-year payback with a power cost of \$0.09 to \$0.10/kWh. Flow repeatability of +/- 1 percent with 7-degree reducers upstream and downstream is guaranteed. If standard reducers are used, the guaranteed flow repeatability is +/- 3 percent.

Egger will also pipe the valve together with a thermal dispersion flow meter 10 diameter upstream, with a one-diameter straight run downstream also required. The controllability of the loop will improve if the flow meter and the iris valve are matched by the vendor because

Figure 5 – Iris Valve (Courtesy of Egger)



Figure 6 – Iris and Butterfly Valve Characteristics (Courtesy of Egger)

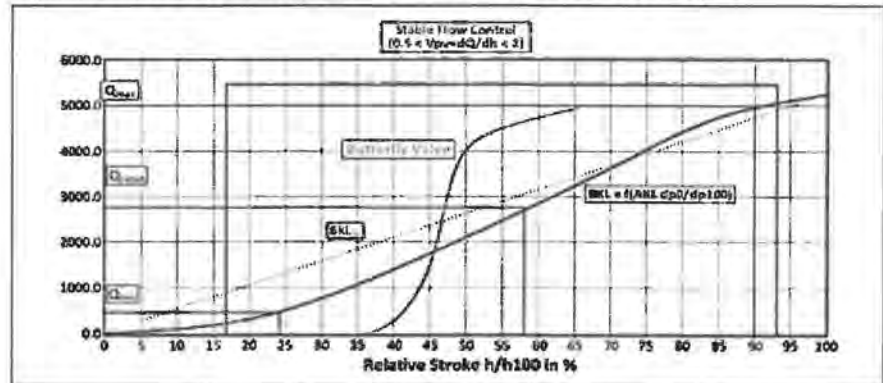
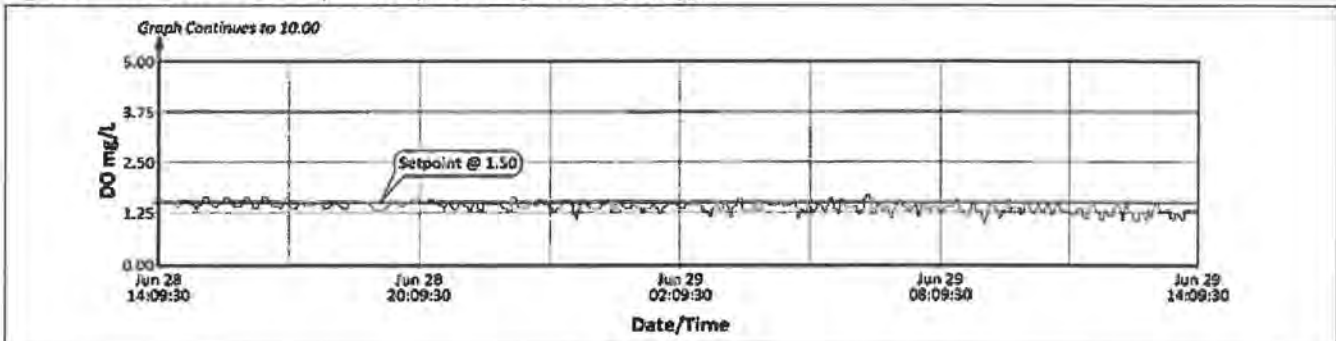


Figure 7 – Iris valve - DO Setpoint Repeatability (Courtesy of Egger)



the flow meter can be used to refine the instructions to the valve actuator. Iris valve weight is about three times that of a corresponding butterfly valve that is one size larger. When comparing stainless steel materials, pricing is about 1.8 to 2.3 times the price of the high-performance butterfly valve described above while being one to two sizes smaller. Stainless steel construction is standard in North America. Other materials options include a cast iron body with stainless steel segments or a cast iron body with bronze segments. The alternate materials result in a slight 10% cost savings. Special materials are available on request. Valves are available from 25 mm (1 in) to 400 mm (16 in) diameter. Yearly replacement of an automatic greaser is the required maintenance.

### Jet Control Valves

Binder Vacomass Jet Control Valve is a low headloss control valve with a linear characteristic and large rangeability (Figure 8 and 9, Courtesy of Binder). The valve is unique and is significantly dimensionally longer than a butterfly or iris valve. It is a venturi style valve, and air flows through the annular space. The venturi design results in recovery of a portion of the pressure loss, which accounts for much of its energy efficiency.

These valves were recently installed at their first plant in the US, but the startup has been delayed due to cold weather. Vacomass guaranteed at this plant a positioning accuracy and repeatability of 0.2 percent. A recent economic analysis showed that replacing the existing valves with Vacomass Jet Control valves at a 680 MLD (180 mgd) wastewater treatment plant would pay back in seven years based on a power cost of \$0.09/kWh.

The valve can be equipped with a thermal dispersion flow meter in an integrated package with the flow meter mounted only one half pipe diameter upstream of the valve, saving appreciably on the piping straight run required between a flow meter and butterfly, eccentric plug, or iris valve. The size of a Vacomass Jet Control valve may either match a butterfly valve, be 1 to 2 sizes smaller, or in some cases, may be a size larger due to the limited range of sizes available. A bubble-tight shutoff is provided, and valves are linear from 5 to 95% open.

Figure 8 – Binder Vacomass Jet Valve Flow Profile (Courtesy of Binder)

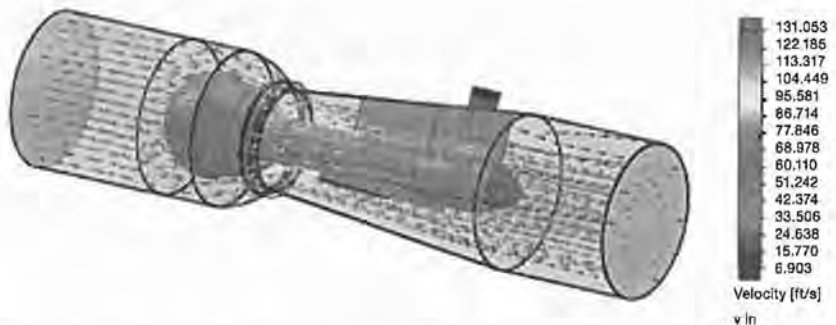


Figure 9 – Binder Vacomass Jet Valve (Courtesy of Binder)



The following table compares the Iris and Jet Control valves to a DeZURIK high performance butterfly valve.

	DEZURIK BHP HIGH-PERFORMANCE SINGLE OFFSET BUTTERFLY VALVE	EGGER IRIS CONTROL VALVE	BINDER VACOMASS JET CONTROL VALVE
Size range, mm inches	50-1,500 2-60	25-400 1-16	250-400 10-16
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.

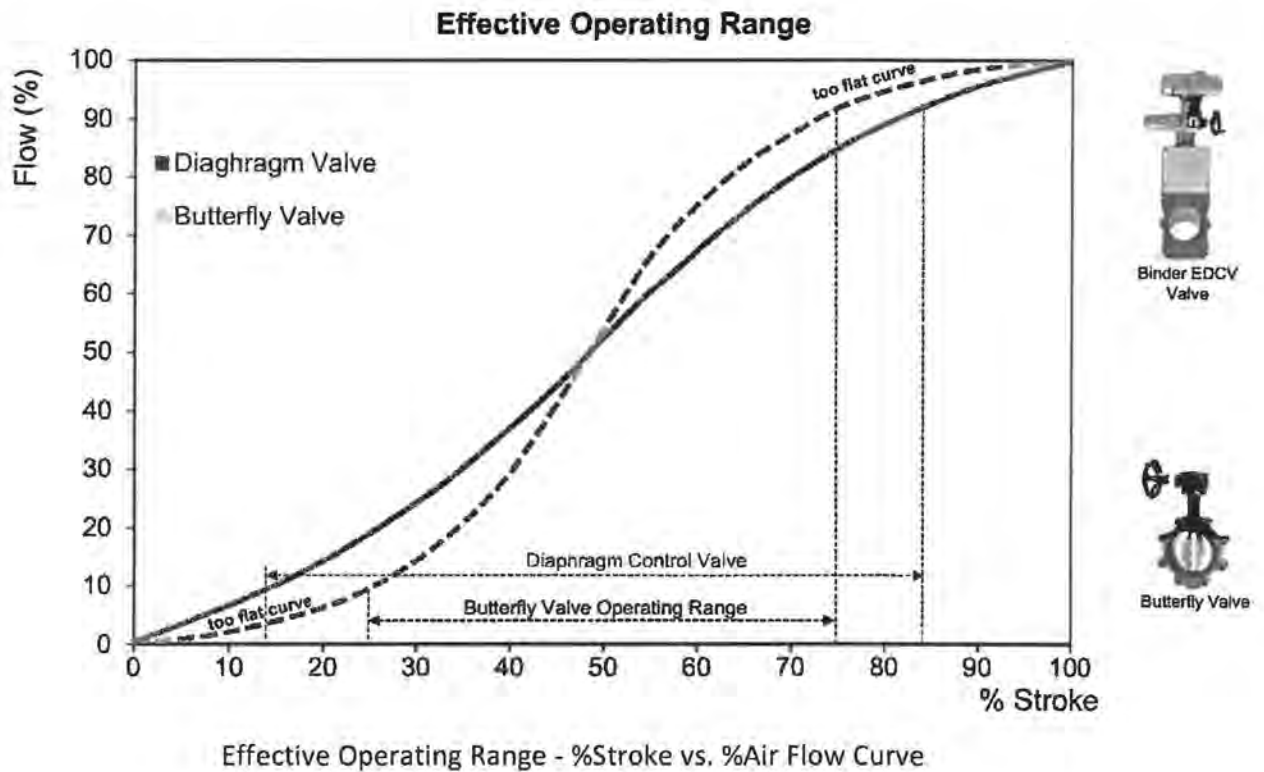


Preliminary Proposal for Scituate WWTP, MA

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



## Preliminary Proposal for Scituate WWTP, MA

### Scope of Supply and Budget Pricing

#### 2.2 Elliptic Diaphragm Control Valve (EDCV)

One (1) 14-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for one (1) 14-inch EDCVs: \$20,500

(Price is Ex-works Ulm, Germany)

#### 2.3 Elliptic Diaphragm Control Valve (EDCV)

Three (3) 8-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for three (3) 8-inch EDCVs: \$46,800

(Price is Ex-works Ulm, Germany)

## Preliminary Proposal for Scituate WWTP, MA

### 2.4 Elliptic Diaphragm Control Valve (EDCV)

Two (2) 6-inch VACOMASS® Elliptic Diaphragm Control Valve (EDCV) with:

- Lugged valve body with ANSI hole pattern
- Stainless Steel moving parts, galvanized valve body, graphite/Viton seals
- Permalube spindle lubrication
- Modulating duty 460V/60HZ/3Ph AUMA SAR Actuator per the following features:
  - Optimized for minimum step size
  - Control box double sealed against actuator body
  - 24VDC optically isolated control inputs for open/stop/close/alarm
  - 4 – 20 mA position control and position feedback
  - 6 selectable relay outputs, eg. open, closed, local/remote

Total budget price for two (2) 6-inch EDCVs: \$24,000

(Price is Ex-works Ulm, Germany)

Above prices does not include shipping and handling or on-site support.

### 3. Shipping

Estimated sea freight (DDP) for one 14" EDCV + three 8" EDCVs + two 6" EDCVs \$4,700

(DDP to Scituate WWTP, MA including packing, custom duties, import duties, not incl. taxes)

### 4. Warranty:

Binder warranties that the body of the VACOMASS® Control Valve is free from defects in workmanship and materials for a period of twenty-four (24) months from delivery. Damage from improper installation or external force is excluded. The actuator is subject to manufacturer's warranty unless otherwise contractually agreed upon.

### 5. Delivery

Standard: 16 weeks after technical clarification and order confirmation.

### 6. Payment Terms:

- 50% by bank transfer after order acknowledgment
- Balance by bank transfer before shipping

**Preliminary Proposal for Scituate WWTP, MA**

**7. Appendix (Attached Files):**

Attached Files:

VACOMASS® Elliptic Diaphragm Control Valve Brochure

Binder's recommendations for the straight lengths before/after the EDCV valve

Tarek El-Shafie

Director of Business Development – North America

M: 941-210-2872

E: [Tarek.Elshafie@bindergroup.info](mailto:Tarek.Elshafie@bindergroup.info)



**From:** [THOMAS DEXTER](#)  
**To:** [William Branton](#)  
**Cc:** [Chris Collins](#)  
**Date:** Tuesday, September 17, 2019 10:05:56 AM  
**Attachments:** [BrayButterflyValveSpecSheet-B1050\\_Resilient\\_Valves\\_4-5-2019.pdf](#)  
[ValveActuatorSpecSheet-B-1053\\_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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21

Date of Last Edit: 10-13-21

Project Number:	2023-440-06
Project Title:	I+I Ongoing
Category:	Construction
Department: DPW Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                         Multiyear       Phase - Final

**Description:**

Provide funding for ongoing inflow and infiltration, detection, prevention, and removal measures. Town staff routinely inspects new and old services and performs 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:

- Sewer main inspection.
- Vac-con jetting and cleaning.
- Disposal of debris.
- Manhole replacement.

**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 (Waste Water Treatment Plant). If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or differed.*

*Short term investment that can lead directly to reduced energy and chemical costs for the following year. Reducing costs driven more severely by flows at the facility. Long term this 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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$20,000	\$20,000				
Land Acquisition	\$0					
Construction	\$100,000	\$100,000				
Equipment/Furnishings	\$100,000	\$100,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$220,000</b>	<b>\$220,000</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>\$220,000</b>	<b>\$220,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

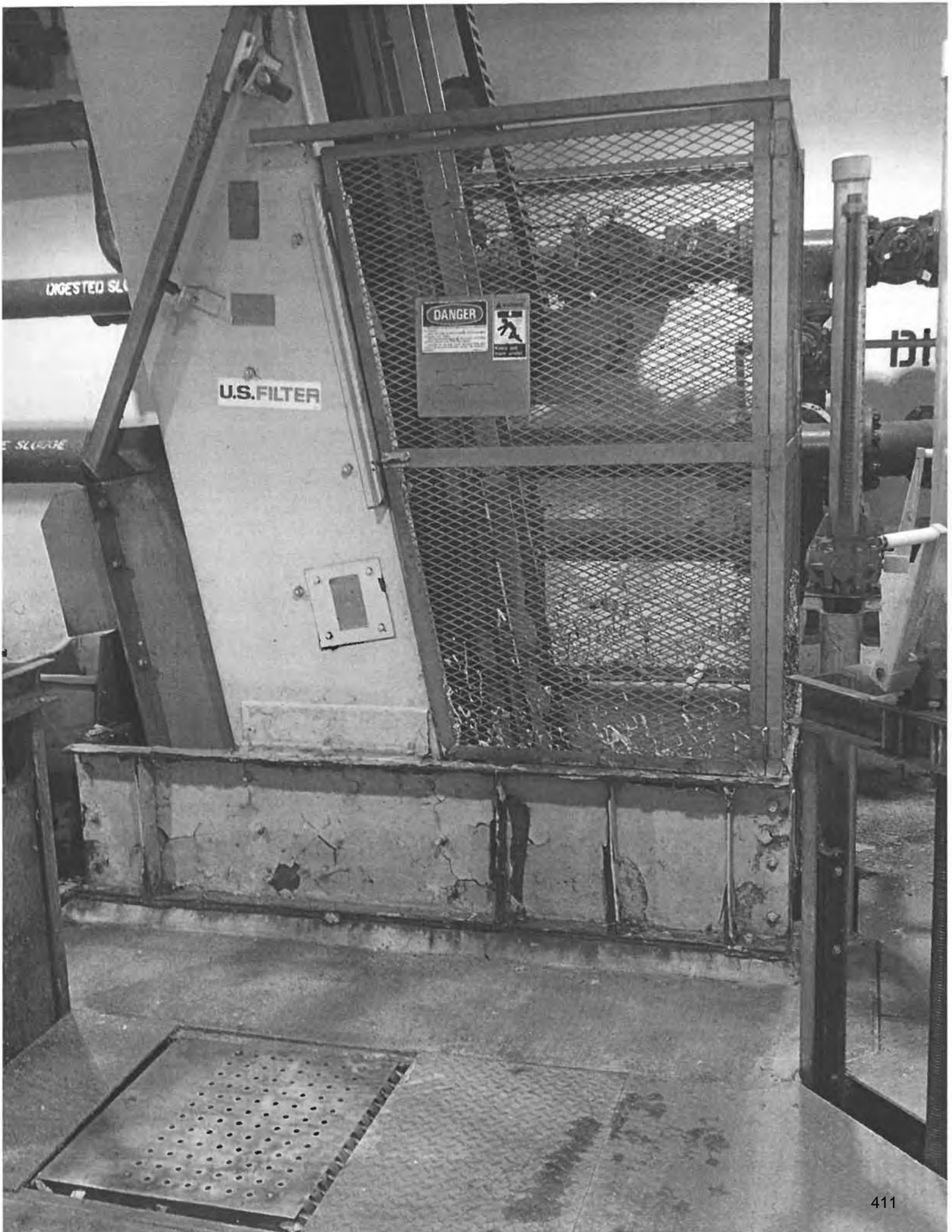
During Project	\$0
Post-Project Annual	
Post-Project One-time	\$0











## Preliminary Capital Budget Scituate Wastewater Department

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

---

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

### Project 1: Wastewater Facility Assessment

Budget: \$65,000

#### Draft Scope of Work:

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

### Project 2: Screening & Grit Removal Upgrade

Budget: \$2,000,000

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

### Project 3: Influent Pump Upgrade

Budget: \$1,600,000

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

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

**Project 4: Structural Concrete Repairs**

Budget: \$250,000

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

**Project 5: Vactor Tipping Pad Upgrade**

Budget: \$560,000

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

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

J:\S\S5001 Scituate DPW\Proposals\Preliminary Capital Budget 101917.docx



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21

Date of Last Edit: 10-13-21

Project Number:	2024-440-02
Project Title:	I+I Ongoing
Category:	Construction
Department: DPW Sewer	Contact: William Branton

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

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

**Description:**

Provide funding for ongoing inflow and infiltration, detection, prevention, and removal measures. Town staff routinely inspects new and old services and performs 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:

- Sewer main inspection.
- Vac-con jetting and cleaning.
- Disposal of debris.
- Manhole replacement.

**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 (Waste Water Treatment Plant). If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or deferred.*

*Short term investment that can lead directly to reduced energy and chemical costs for the following year. Reducing costs driven more severely by flows at the facility. Long term this 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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$20,000		\$20,000			
Land Acquisition	\$0					
Construction	\$100,000		\$100,000			
Equipment/Furnishings	\$100,000		\$100,000			
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$220,000</b>	<b>\$0</b>	<b>\$220,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Funding Source(s)</b> Check all that apply	
<input type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input checked="" 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

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$220,000</b>	<b>\$0</b>	<b>\$220,000</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: FY2023 - FY2027**

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          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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$60,000		\$60,000			
Land Acquisition	\$0					
Construction	\$100,000		\$100,000			
Equipment/Furnishings	\$500,000		\$500,000			
Contingency	\$40,000		\$40,000			
Other	\$0					
<b>TOTAL</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$700,000</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>\$700,000</b>	<b>\$0</b>	<b>\$700,000</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: FY2023 - FY2027**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-05
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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$10,250		\$10,250				<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$102,500		\$102,500				<input type="checkbox"/> Capital Stabilization
Contingency	\$10,250		\$10,250				<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$123,000	\$0	\$123,000	\$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	\$123,000	\$0	\$123,000	\$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					

**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: FY2023 - FY2027**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2024-440-06
Project Title:	RAS Capacity
Category:	Equipment and Technical Services
Department:	Sewer
Contact:	William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

Multiyear [ ]      Phase \_\_ of \_\_

**Description:**

In August 2018 the Sewer Division had an evaluation done on it's secondary clarifiers. The evaluation found two significant performance-limiting factors: 1. Major lack of RAS pumping capacity and 2. absence of an optimum center well to disperse solids and flows. This project will provide funding for the division study and design of how to best increase return pumping capacity. Current pumps are rated for the recommended flow levels which indicates that pipe diameter of buried infrastructure may need to be replaced with larger pipes to achieve the recommended flow rates.

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

The secondary clarifiers are the stage of treatment where solids are separated from the water. By not having sufficient flow capacity for the return activated sludge then the clarifiers will overflow under conditions where they normally would be able to handle. Solids overflowing from the clarifier leads to excessive wear and tear and damage to equipment in downstream processes.

**Discuss Operating Budget Impact:**

Upgrading the return capacity will allow the WWTP to build out the collection system to connect additional properties without overwhelming this stage of treatment. Multiple high flow events happen each year, during these events the WWTP suffers greater wear and tear on equipment and needs to staff the facility during off hours to constantly make adjustments to avoid the clarifiers overflowing. When the clarifiers overflow their solids it can substantially damage equipment and treatment processes down the line. Recovering these treatment processes and repairing equipment during these events requires a substantial amount of overtime during difficult weather conditions.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$30,000		\$30,000				<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$150,000		\$150,000				<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$150,000		\$150,000				<input type="checkbox"/> Capital Stabilization
Contingency	\$30,000		\$30,000				<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$360,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

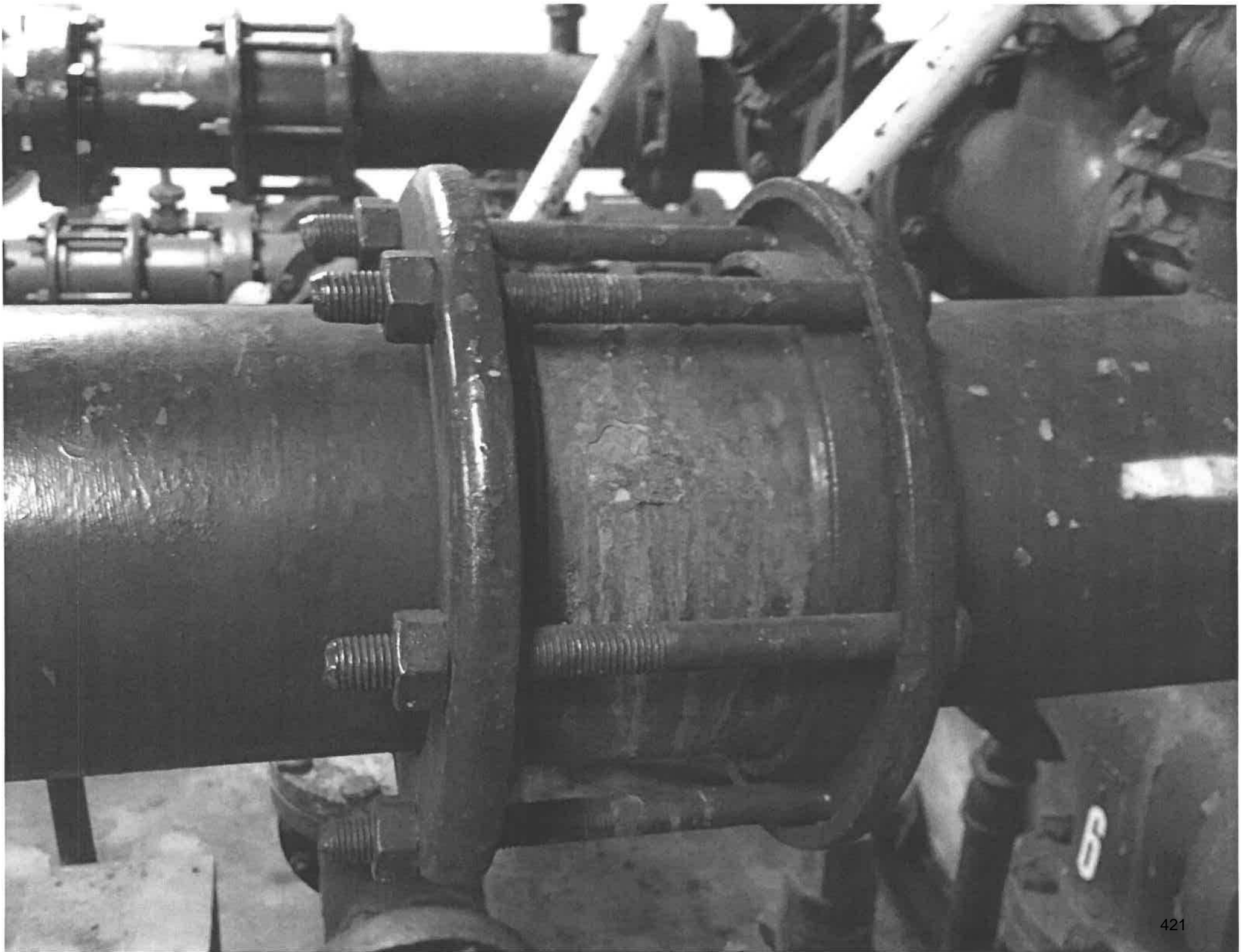
Historical

Housing

**Operating Budget Impact**

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







## TABLE OF CONTENTS

	<u>Page</u>
I. Project Objectives	1
II. Description of the Clarifiers	2
III. The Clarification Process	2
IV. Locating Currents	2
V. Discussion of Other Tests	3
VI. Plant Conditions During the Test Period	4
VII. The Test Results	5
A. Detention Time Tests	
B. Other Observations	
1. Vertical Solids Profiles	
2. Return Sludge Flows	
3. Effluent TSS	
4. A.S. MLSS and Settleability	
VIII. Discussion of Results	8
A. Short-Circuiting Currents	
B. Sludge Blanket Formation	
C. Return Sludge Flows	
D. Other Observations	
IX. Conclusions and Recommendations	10
<b>APPENDICES</b>	
<b>A.</b> Report Figures	A1
<b>B.</b> Detention Time Flow Curves	B1



## I. PROJECT OBJECTIVES

The Town of Scituate Municipal Wastewater Authority's (SMWA) Treatment Plant (WWTP) is an extended aeration activated sludge facility. This plant consists of preliminary (screening and grit removal), an activated sludge process with multiple aeration basins and three secondary clarifiers. The process is designed to nitrify and denitrify, and add dissolve oxygen before discharge.

The present plant, with three clarifiers in operation, was designed to treat a peak daily flow of 4.34 million gallons per day (mgd) and an average annual design flow of 1.66 mgd. The current average daily flow is approximately 1.3 mgd.

The primary objective of this field study was to evaluate the hydraulic performance characteristics of a secondary clarifier while operating at both normal and elevated flow rates and solids loadings. This evaluation was to help assess the capacity of the clarifiers and determine (a) their present performance characteristics and (b) the potential for any additional modifications that could improve their performance and reliability under current permit conditions and future operating conditions.

In order to accomplish these objectives, the field investigation was designed to accomplish the following major findings for the secondary clarifiers:

1. Develop flow curves and determine the hydraulic characteristics and actual detention times for the test clarifier #1 at predetermined flows.
2. At the initial flow rate, determine the location and intensity of the major and minor currents by conducting drogue current tests.
3. Also at this flow rate, determine and monitor the formation and movement of the sludge blankets.
4. Then, to the extent possible, at an elevated surface overflow flow (SOR) rate, repeat the same tests to again to determine:
  - o the hydraulic characteristics and detention times,
  - o the location and intensity of the currents, and
  - o formation of the sludge blankets
5. Based on these tests and other observations, assess the capacity of this clarifier and recommend any modifications to improve its performance and the capacity of the clarification system.

## II. DESCRIPTION OF THE CLARIFIERS

### A. General Description – Secondary Clarifiers FC-1; FC-2; FC-3:

There are three identical secondary clarifiers; ref Plant Layout Figure A1. These tests focused on Clarifier #1

#### 1. General Clarifier Configuration

The secondary clarifiers are circular with spiral sludge collectors. Each clarifier is 45-ft in diameter. The sidewater depth is approximately 12-ft, sloping to 14-ft at the center.

The influent to each clarifier is via standard 7-ft diameter centerwell; the effluent is via a single perimeter launder with a standard v-notch weir. There is also a horizontal baffle attached to the outer wall and located about two feet below the water surface.

## III. THE CLARIFICATION PROCESS

The secondary clarifier is often the most critical link in the biological wastewater treatment process. Its main function is to separate the activated sludge solids from the treated effluent and to allow the clarified effluent to pass on to the point of discharge. As an additional function, the clarifier is sometimes used to thicken and store the settled activated sludge solids in order to minimize sludge wasting volume and reduce return sludge flow rates.

Although many designs assume that a clarifier is a "plug flow" reactor, and that it has a defined detention time (based on its volume) to effectively accomplish these functions, studies have shown that clarifier flow patterns are often more like those of an "arbitrary-flow", or, "mixed-flow" reactor. This is particularly true in the case of clarifiers treating a wastewater with a mass of flocculent suspended solids. In all cases, the clarifier's efficiency is affected by the formation of various hydraulic currents. These currents can impair a clarifier's effectiveness and greatly reduce a clarifier's ability to separate and thicken the flocculent activated sludge solids from the wastewater.

## IV. LOCATING CURRENTS: Use of Drogue Current Tests:

The currents in a clarifier often vary considerably by depth and by distance from the influent point. In order to locate and quantify these currents, we use a type of "flow catcher" called a "drogue". This drogue is constructed to drift with the current at whatever depth and location the drogue is suspended at. This drogue test accurately delineates the movements of the clarifier's currents in the horizontal plane. The drogue for these tests was launched from the walkway at about 8-ft from the center of the clarifier.

## V. DISCUSSION OF OTHER TESTS

### A. Clarifier Test Flow Rates:

In order to determine the performance of these clarifiers under more stressed conditions, two test flow rates were imposed on clarifier #1. The initial flow rate was approximately 1.4 mgd; the second flow rate was approximately 2.4 mgd. The flow for each stress level was achieved by delivering the selected flow rate, as measured by the plant's flow meters, to Clarifier #1. The test flow rate was established approximately one hour before the start of a stress test.

### B. Return Sludge Flow Rates:

Each secondary clarifier pumps its return activated sludge (RAS) flow back to the return sludge system. At the end of the stress tests, a drawdown test was conducted in clarifier #1 in order to calculate the actual RAS rate. This test confirmed the accuracy of the plant's RAS flow meter.

### C. Sludge Blanket Tests / Vertical Solids Profiles:

Using the Royce Model 711 electronic suspended solids analyzer, we can accurately determine the concentration of the suspended solids throughout the entire vertical section of a secondary clarifier at any location. This hand-held meter enables us to quickly determine the formation and composition of the blanket in a clarifier throughout the duration of each stress test.

At several intervals during each secondary clarifier flow rate test, vertical solids profiles (VSP's) were obtained from multiple locations along the access bridge.

### D. Mixed Liquor Concentrations / Return Sludge Concentrations:

The mixed liquor and return sludge concentrations are important elements in the evaluation of any clarifier's performance. The concentrations of the mixed liquor and the return sludge were determined by multiple grab samples from the aeration basin and from the return sludge pump.

### E. Dispersed (DSS):

Although a plant may do a good job of settling solids or removing organics in the activated sludge process, one of the most important activated sludge process control activities is developing a floc that settles well and that reduces particulate matter in the effluent. These properties of the floc are a function of both the make-up of the influent suspended solids as well as the biological process and the mechanics of the aeration basins and the clarification process.

In order to determine if better settling conditions in the clarifiers could improve effluent quality, several samples of the test clarifier's effluent were subjected to enhanced settling tests. For this type of test, a sample of the effluent was allowed to settle for 30 minutes to obtain a clear supernatant sample for TSS analysis. This sample is referred to as the "dispersed suspended solids", or DSS.

## VI. PLANT CONDITIONS DURING THE TEST PERIOD:

### A.1. Secondary Clarifier Dimensions:

The approximate clarifier dimensions are as follows:

Clarifier Surface Area:	1590 sf
Clarifier Volume:	155,000 gal
Approx. Weir Length:	141 lf

This yields the following unit hydraulic loading values, based on the total through flow per clarifier (clarifier effluent flow), divided by the total surface area:

Test #	Flow Rate per Clarifier (mgd)	S.O.R (gal/sf/d)	Weir Loading (gal/lf/d)
#1	1.4	880	10,000
#2	2.4	1510	17,000

### A.2 Secondary Clarifier Solids Loadings:

The following average loading rates and activated sludge characteristics were present in the clarifier during the two test periods:

#### SOLIDS LOADINGS

	Test #1	Test #2
Test Flow Q (mgd)	1.4	2.4
RAS Flow Q <sub>R</sub> (mgd)**	0.7	0.7
Total Q + R (mgd)	2.1	3.1
Aver. MLSS (mg/l)	3200	3460
Aver. RAS (mg/l)	8000	9210
Lbs. Added/day (1,000 Lbs)	56	89
Lbs. removed/day (1,000 Lbs)	47	54
DIFFERENCE (1,000 Lbs)	-9	-35
Solids Loading (Lb/sf/d)	35	56

### B. Vertical Solids Profiles (VSPs):

For each test, the entire vertical water column was cross-sectioned at three locations along its access bridge at multiple times during each test using the portable Royce Model 711 Suspended Solids meter.

## VII. THE TEST RESULTS

### A. Detention Time Dye Tests:

A flow curve was developed for each test clarifier for each flow condition by sampling the dye concentration in the effluent from each clarifier over several hours. For each test, the dye was introduced into the centerwell or EDI of each test clarifier so that it would be well distributed as it entered the clarifier. During each of the tests, whole effluent samples were collected initially at 5-minute intervals, then at greater intervals after the dye concentrations had peaked. The results of each of these tests are shown in the "Dye Test Summary" (attached) and are summarized in the following table. In this table, the theoretical detention time of a clarifier is based on the clarifier volume divided by its effluent flow:

#### Secondary Clarifier #1

Test #	Test Flow Rate (mgd)	Tt (min)	Ti (min)	Ti/Tt Effic. (%)	Tm (min)	Modal Effic. (%)	Ta (min)	Hydraulic Effic. (%)
1	1.4	166	20	12	55	33	75	45
2	2.4	93	15	16	25	27	49	53

### B. Other Observations:

#### 1. Vertical Solids Profiles:

Vertical solids profiles (VSPs) of the entire water column were conducted at three locations along the siaccess bridge. These VSPs were collected at different times throughout each test period in order to observe the changes in blanket levels and the amount of solids in each clarifier. The following are the results:

#### TEST #1 @ 1.4 mgd

Time: 0740

Time: 0900

Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.1	0	0		-1'	2.8	0	0	
-2'	2.9	0	0		-2'	2.3	0	0	
-3'	2.9	0	0		-3'	2.3	0	0	
-4'	2.1	0	0		-4'	0.5	0	0	
-5'	2.8	0	0		-5'	0	0	0	
-6'	0.5	0	0.1		-6'	0	0	0	
-7'	1.0	0	0.1		-7'	0	0	0	
-8'	1.0	0	0.1		-8'	0	0	0	
-9'	1.1	1.2	0.4		-9'	1.3	1.0	0.2	
-10'	1.0	2.3	3.0		-10'	1.3	1.6	1.6	
-11'	1.7	5.1	9.0		-11'	2.7	5.1	9.3	
-12'	10	10			-12'	5.7	7.9		
-13'	10				-13'	9.1			
<b>Tot.</b>	<b>41.0</b>	<b>18.6</b>	<b>12.7</b>	<b>72</b>	<b>Tot.</b>	<b>28.0</b>	<b>15.6</b>	<b>11.1</b>	<b>55</b>

Time: 1010					Time: 1105				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	3.5	0	0		-1'	2.7	0	0	
-2'	3.4	0	0		-2'	2.7	0	0	
-3'	3.3	0	0		-3'	2.7	0	0	
-4'	1.4	0	0		-4'	0.2	0	0	
-5'	0	0	0		-5'	0	0	0	
-6'	0	0	0		-6'	0	0	0	
-7'	0.1	0	0		-7'	0	0	0	
-8'	0.2	0	0		-8'	0.8	0	0	
-9'	1.2	0.3	0.2		-9'	0.9	1.3	1.7	
-10'	1.8	2.3	2.2		-10'	1.2	3.1	2.7	
-11'	2.0	4.8	6.8		-11'	5.7	5.2	6.5	
-12'	9.0	7.7			-12'	8.8	8.6		
-13'	10				-13'	10			
<b>Tot.</b>	<b>35.9</b>	<b>15.1</b>	<b>9.2</b>	<b>60</b>	<b>Tot.</b>	<b>35.7</b>	<b>18.2</b>	<b>10.9</b>	<b>65</b>

**TEST #2 @ 3.4 mgd**

Time: 1155					Time: 1300				
Depth	2'	7'	16'	Tot.	Depth	2'	7'	16'	Tot.
-1'	1.6	0	0		-1'	4.1	0	0	
-2'	3.6	0	0		-2'	4.1	0	0	
-3'	3.6	0	0		-3'	4.1	0	0	
-4'	3.7	0	0		-4'	4.0	0	0	
-5'	1.4	0	0		-5'	3.6	3.0	2.6	
-6'	1.2	0	0		-6'	3.3	3.5	3.1	
-7'	1.7	0	0		-7'	3.8	3.5	3.3	
-8'	1.8	0	0		-8'	3.7	3.7	3.5	
-9'	1.2	1.7	1.9		-9'	3.8	3.6	3.6	
-10'	1.1	3.0	8.8		-10'	5.3	4.5	5.2	
-11'	2.9	5.9	5.8		-11'	5.8	7.8	8.9	
-12'	9.3	8.5			-12'	6.4	10		
-13'	10				-13'	9.8			
<b>Tot.</b>	<b>43.1</b>	<b>19.1</b>	<b>16.5</b>	<b>79</b>	<b>Tot.</b>	<b>61.8</b>	<b>39.6</b>	<b>30.2</b>	<b>132</b>

Time: 1345

Depth	2'	7'	16'	Tot.
-1'	4.1	0	0	
-2'	4.1	0	0	
-3'	4.1	3.5	2.8	
-4'	4.2	3.8	3.8	
-5'	4.2	4.1	3.7	
-6'	4.1	3.8	3.8	
-7'	4.1	4.2	4.0	
-8'	4.1	4.1	4.2	
-9'	4.0	4.8	5.2	
-10'	6.0	6.9	7.0	
-11'	7.9	7.6	8.9	
-12'	8.9	9.0		
-13'	10			
<b>Tot.</b>	<b>69.8</b>	<b>51.8</b>	<b>43.4</b>	<b>165</b>

END OF TEST

## 2. Return Sludge Flows:

The return sludge (RAS) flow rate from each clarifier were controlled by a return sludge pump. The flow from the test clarifier was estimated to be 0.7 mgd for each test. Based on an average of the grab samples collected during the tests, the following were determined to be the approximate RAS concentrations (in mg/l):

### Average RAS Concentrations

Test Flow	RAS Flow	FC-1
1.4 mgd	0.7 mgd	8000
2.4 mgd	0.7 mgd	9210

## 3. Effluent TSS Tests:

In order to verify the performance of the test clarifiers, discrete samples were grabbed every ½-hour from each test clarifier's effluent launder as it exited the clarifier. The following are the results of these effluent TSS results (in mg/l) for the respective stress test flow rates, followed by the observed low and high values:

Clarifier FC-1	ETSS	Effl. DSS
Test #1 @ 1,1 mgd	12(10-13)	6
Test #2 @ 2.4 mgd	17(14-20)	12

#### 4. Activated Sludge MLSS and Settleability:

During the stress tests, the MLSS was sampled every ½-hour throughout the test period. Some samples were also settled for 30 minutes to determine their Sludge Volume Index. These settled samples yielded the following average results:

Test #	MLSS	SVI
Test #1	3200	91
Test #2	3460	96

### VIII. DISCUSSION OF TEST RESULTS

#### A. Short-Circuiting Currents:

The currents in activated sludge clarifiers are usually rather straight-forward: the flow from the inlet drops downward and forms a density current that progresses towards the perimeter. The design of the inlet and the effluent launders can often minimize this pattern, but some density current is still going to form.

Based on the flow curves, at the initial flow rate of 1.4 mgd per clarifier, the clarifiers exhibited the moderate short-circuiting currents, with dye reaching the effluent launders in 20 minutes. As the flow rate was increased, the clarifier showed a dramatic increase in short-circuiting, with the dye reaching the launders in 15 minutes.

Aside from the general short-circuiting, the maximum current measured was in the range of 2- to 3-fpm at the -9 and -10-ft depth during the first stress test. During the second stress test, there were negligible currents because of the extremely elevated sludge blanket; this high sludge blanket dampens any currents.

#### B. Sludge Blanket Formation:

There was very little accumulation of a sludge blanket during the initial test at 1.4 mgd. As the flow was increased for the second test, the amount of solids in the test clarifier increased dramatically, leading to a failure due to the imminent loss of the blanket. This was apparent from the tremendous increase in the solids in the clarifier in less than three hours at the higher flow rate.



### C. Return Sludge Flows:

The clarifier was initially operated at its normal RAS rate of 0.7 mgd during the first flow rate test. Since this was the maximum capacity of the RAS pump, the rate during the second test at 2.4 mgd remained the same 0.7 mgd. As noted previously, this flow rate was confirmed by the "drawdown" test.

It should be noted that, when more than one RAS pump is in service, the individual pump capacity is reduced due to the additional pressure from the other RAS pump(s). Although there wasn't an opportunity to determine the maximum RAS capacity, it is likely that with all three pumps on line, their maximum output would be less than 2 mgd.

The current NEIWPCC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd.

### D. Other Observations:

#### 1. Effluent TSS (ETSS):

The ETSS was reasonably good during the first stress test, averaging 12 mg/l. During the second stress test, the ETSS increased slightly, averaging 17 mg/l, with the highest ETSS of 20 mg/l. However, it should be noted that with the excellent quality of the MLSS produced by the aeration system, a clarifier with better hydraulic characteristics could have produced an effluent of 6 mg/l at the first flow rate, and an effluent of 12 mg/l at the higher flow rate. This indicates that an improvement in the hydraulic characteristics of these clarifiers could generate an improvement of 30 to 50% reduction of ETSS.

#### 2. Scum:

At no time during these tests did there appear to be an excessive amount of surface scum on the clarifier.

#### 3. Sludge Collection Mechanisms:

The sludge collection mechanisms on the test clarifier appeared to be operating normally

## IX. CONCLUSIONS and RECOMMENDATIONS:

The primary objective of this field study was to evaluate the hydraulic performance characteristics of these test clarifiers while operating at both normal and elevated flow rates and solids loadings.

By all standards, whether based on the flow curves, the density currents, and especially effluent TSS at higher flow conditions, these clarifiers had significant performance issues at the elevated flow rates.

It should be noted that, if the MLSS were not so well-developed, with a better-than-normal Sludge Volume Index, these clarifiers would not have performed as well as they did under these stressed loading conditions. This is a function of excellent process control which enables a clarifier system to out-perform expectations.

The following are some recommendations for consideration for these clarifiers:

1. With regard to the arrangement of the centerwell/influent baffle, as presently constructed, there is an inclination for the flow to be directed downward toward the sludge hopper. Not only would this work against the collection of the return sludge, it would also help form the density current. Although the impact of this feature could not be measured during these tests, it is our recommendation that there be an influent baffle re-design to enhance flocculation and to prevent the flow from being directed downward. The redesign that we recommend is a Type II LA-EDI, with the enhanced flocculation appurtenances. (See attached CFD analysis)
2. The presence of the horizontal "density current" baffle beneath the effluent weirs appears to be working as intended. Although there is often a concern with solids collecting on the surface of the baffle, this is not identified as a problem in these clarifiers. Accordingly, we recommend retaining the existing baffle.
3. The most serious concern with this test clarifier, and the entire clarifier system, is the lack of return sludge capacity. The current NEIWPC TR-16 "Guides for the Design of Wastewater Treatment Works" recommends a RAS pumping capacity of 150% of the average daily design flow for this type of activated sludge process. This would require a firm RAS pumping capacity of 2.5 mgd. As demonstrated by the rapid increase in solids retained during the high flow rate test, this deficiency is the most serious performance-limiting factor in this clarifier system. Accordingly, we recommend immediate attention to this deficiency.
4. A basic tenet of good clarifier operation is the even distribution of flow into and out of a clarifier. From our limited observations during these tests, it appears that the distribution of the influent to these clarifiers would be a continuing challenge. While the installation of simple rectangular weirs in the effluent

launders could permit some basic control of the flows, a further exploration of this subject is beyond the scope of this report. However, the achievement of an even balancing of flows into the individual clarifiers of a clarifier system is essential to process control and optimal performance.

**In Summary,** this clarifier system has two significant performance-limiting factors: the absence of an optimum centerwell and a major lack of RAS pumping capacity. As demonstrated by the balance of solids into and out of the test clarifier, the system will not be able to meet its performance expectations until, at least, the RAS pumping limitation is addressed. It should be recognized that the main reason why this system has been able to perform so well with these limitations is that the operation of the activated sludge process continues to generate a MLSS with such admirable settling characteristics.



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2024-422-07		
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
		FY2023	FY2024	FY2025	FY2026	FY2027	
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>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input checked="" type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$4,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

**I/I Programs Cost Summary**

**Option 1 - Basin-by-Basin Approach**

Meter	Priority	Priority Ranking <sup>1</sup>	Length (ft)	I/I Investigations <sup>2</sup>	Construction Range <sup>3,4,5,6</sup>	
				Total	Total Low Cost	Total High Cost
4-2	High	1	4,724	\$ 20,000	\$ 700,000	\$ 1,700,000 <sup>7</sup>
5-1	High	2	9,223	\$ 25,000	\$ 1,400,000	\$ 1,900,000
6-1	High	3	21,068	\$ 55,000	\$ 3,000,000	\$ 4,200,000
4-1	High	4	14,735	\$ 40,000	\$ 2,100,000	\$ 3,000,000
<b>Subtotal</b>			<b>49,750</b>	<b>\$ 140,000</b>	<b>\$ 7,200,000</b>	<b>\$ 9,100,000</b>
5-2	Low	5	15,999	\$ 40,000	\$ 1,900,000	\$ 2,800,000
2-1	Low	6	19,424	\$ 45,000	\$ 2,300,000	\$ 3,500,000
1-1	Low	7	29,971	\$ 115,000	\$ 3,000,000	\$ 4,600,000
7-2	Low	8	20,190	\$ 55,000	\$ 2,300,000	\$ 3,500,000
<b>Subtotal</b>			<b>85,584</b>	<b>\$ 255,000</b>	<b>\$ 9,500,000</b>	<b>\$ 14,400,000</b>

**Notes**

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	185,250	38,986	146,265	7.58	24,516	185,250	9%
2	3-1	332,670	23,362	289,508	23.10	10,368	517,920	25%
3	2-1	215,636	5,548	204,022	21.28	9,358	733,556	35%
4	3-1	298,248	5,113	296,286	23.41	8,752	1,029,804	45%
5	2-2	154,964	10,618	128,146	31.62	8,184	1,187,990	57%
6	3-1	387,158	77,780	313,369	17.25	5,064	1,501,148	75%
7	2-2	203,857	20,672	183,186	18.59	4,542	1,714,305	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)







**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21

Date of Last Edit: 9-24-21

Project Number:	2025-440-01
Project Title:	Sewer Expansion North Scituate
Category:	Construction
Department: DPW Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring [ ]      Resubmission [ X ]

                         Multiyear [ X ]      Phase - Final

**Description:**

This is a planning estimate amount representing the anticipated costs for expanding sewer service to districts 3, 6 and 10 within phase 5 of the sewer expansion plan. Several alternatives may exist for the collection and conveyance of the sewers in North Scituate. The costs estimated in this request represent the costs for installing roughly 24,690 feet of gravity sewer mains and 11,565 feet of low pressure mains and the construction of two pumping stations.

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

Provides sewer service to business district in town which will support growth and buildout for the area. This project has the added benefit of addressing known and potential impacts from existing septic systems in the area. If not completed, the North Scituate area will continue to be limited for growth due to the restraints and environmental impacts of on-site systems.

**Discuss Operating Budget Impact:**

Expands service area which will increase number of billable locations for sewer use. The addition of two pumping stations and the increased lengths of sewer mains to maintain may require additional full or part time staff to allow the division to operate and maintain the infrastructure and ensure environmentally safe practices. These costs could be offset by the increase in revenue from additional services.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$6,694,350			\$6,694,350		
Land Acquisition	\$0					
Construction	\$22,314,500				\$22,314,500	
Equipment/Furnishings	\$0					
Contingency	\$11,157,250				\$11,157,250	
Other	\$0					
<b>TOTAL</b>	<b>\$40,166,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,694,350</b>	<b>\$33,471,750</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,166,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,694,350</b>	<b>\$33,471,750</b>	<b>\$0</b>

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

Open Space

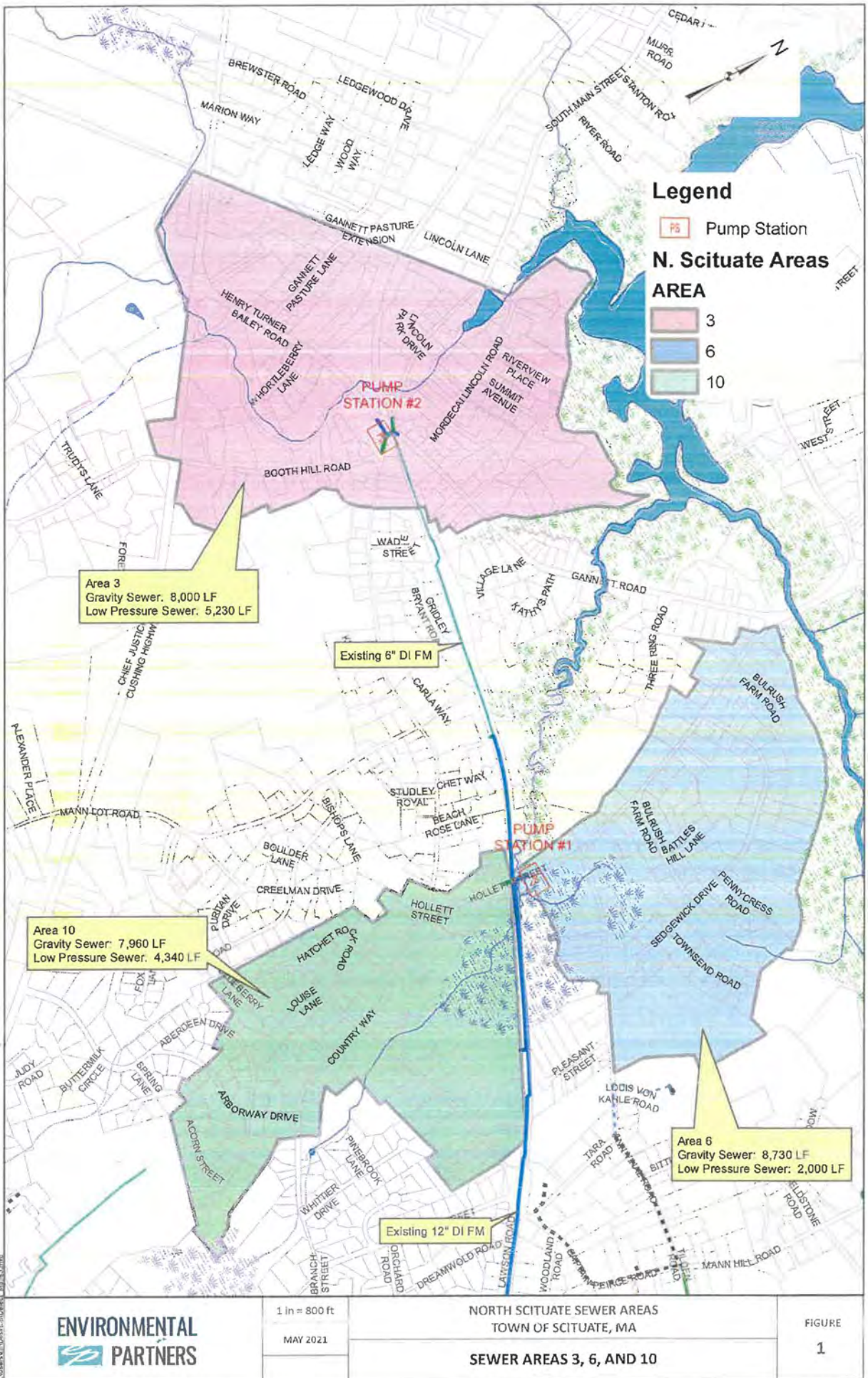
Recreation

Historical

Housing

**Operating Budget Impact**

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



	8" Gravity (ft)	lps (ft)	Assume Zoning Flows				GPD	GPM			
			ADF (gpd)	PHF	IDM	GPD/IDM					
<b>Area 3</b>											
Henry Turner Bailey Rd	2,100		86,250	483,000	12	300	3,636	486,636	338	PS#1 to #2	N. Scituate Pump Station; 6" force main; 4 fps
Gannett Pasture Lane	1,100										
Gannett Pasture Ln "T"		900									
Whortleberry Lane	500										
Booth Hill Road	800	1,100									
Country Way	1,500										
Gannett Road	800	450									
Mordecai Lincoln Road	1,200	450									
Riverview Place		650									
Summit Avenue		675									
CJ Cushing Drive		1,000									
	<b>8,000</b>	<b>5,225</b>									
<b>Area 6</b>			33,000	184,800	13	300	4,029	188,829	131	to PS#2	
Ann Vinal Rd		2,000									
Hollett Street	3,400										
Sedgewick Drive	3,000										
Townsend Road	900										
Bullrush Farm Road	1,100										
Battles Hill Lane	330										
	<b>8,730</b>	<b>2,000</b>									
<b>Area 10</b>			27,000	151,200	12	300	3,618	154,818	108	to PS#2	
Hollett Street	500										
County Way	2,400							343,647	239		
Captain Peirce Rd E		2,000	10' deep dip before County Way - all on LPS								
Captain Peirce Rd W	900								577	PS#2	Hollett St. Pump Station; 12" force main; 1.5 fps
Blueberry Lane		320									
Captain Pine Road	660										
Hatchet Rock Road E	700										
Hatchet Rock Road W		520									
Louise Land	300										
Arborway Drive	1,100										
Aberdeen Drive S	250	650									
Aberdeen Drive N	1,150										
Acorn Street		850	Has slope but connects to LPS on Aberdeen Drive S								
	<b>7,960</b>	<b>4,340</b>									

**Assumptions and Process**

- 1 Cannot build Area 3 without N Scituate PS (PS#1), and downstream Hollett Street PS (PS#2) at junction of Area 6 and Area 10  
 Therefore Area 3 costs also should include the downstream pump station  
 PS#2 force main (12") velocities will be too low if build only Area 3  
 PS#2 force main (12") velocities will be 1.4 fps with all three areas connected, without up-sizing PS#2. This is DI force main  
 PS#2 should be 1,050 gpm for 3 fps, but we only need 500 gpm to serve all 3 areas
- 2 Used Google Earth Pro for elevations and distances
- 3 Gravity flow to pump stations to height of elevation; LPS for any properties beyond height of elevation
- 4 Two pump stations as shown on plans provided by Scituate
- 5 \$500 per foot for gravity sewer  
 For every \$100 per foot of gravity sewer, total cost changes by \$10 million
- 6 \$300 per foot for LPS
- 7 \$4,500,000 for => 500 gpm PS (Pleasant Street with dewatering)
- 8 \$2,000,000 for < 500 gpm PS
- 9 50% contingency
- 10 20% engineering after contingency

	50%		20%		With PS#2							
	Gravity	\$	LPS	\$	Sewer	Pump Sta	Subtotal	Contingency	Subtotal	Eng / CA	Total	
Area 3	8,000	\$ 4,000,000	5,225	\$ 1,567,500	\$ 5,567,500	\$ 2,000,000	\$ 7,567,500	\$ 3,783,750	\$ 11,351,250	\$ 2,270,250	\$ 13,621,500	\$ 18,121,500
Area 6	8,730	\$ 4,365,000	2,000	\$ 600,000	\$ 4,965,000		\$ 4,965,000	\$ 2,482,500	\$ 7,447,500	\$ 1,489,500	\$ 8,937,000	
Area 10	7,960	\$ 3,980,000	4,340	\$ 1,302,000	\$ 5,282,000	\$ 4,500,000	\$ 9,782,000	\$ 4,891,000	\$ 14,673,000	\$ 2,934,600	\$ 17,607,600	
Totals	24,690	\$ 12,345,000	11,565	\$ 3,469,500	\$ 15,814,500	\$ 6,500,000	\$ 22,314,500	\$ 11,157,250	\$ 33,471,750	\$ 6,694,350	\$ 40,166,100	
					\$436						\$1,108	
			LPS is 32%		per foot						per foot	

**Contingency at 50% is appropriate for budgetary planning:**

- Lengths of pipe are from Google Earth
- Utility interference
- Unknown subsurface conditions
- Could assume an additional pump station and gravity sewer in largest length of LPS, Captain Peirce Rd E
- Additional potential extension of gravity sewer versus LPS
- Unknown bid date and escalation
- Dewatering issues - very wet areas, with shallow groundwater throughout town
- PS#2 up-sizing cost
- Tight locations for pump stations - busy intersections
- Railroad - may be within zone of influence for licensing with MBTA
- Potential repairs to downstream interceptor should be included

**Use adjusted Cedar Point bids (LPS vs 10" PVC, no demo of existing, no sewer bypass; laterals to PL, etc.)**

	25%		20%		With PS#2							
	Gravity	\$	LPS	\$	Sewer	Pump Sta	Subtotal	Contingency	Subtotal	Eng / CA	Total	
Area 3	8,000	\$ 5,200,000	5,225	\$ 1,567,500	\$ 6,767,500	\$ 2,000,000	\$ 8,767,500	\$ 2,191,875	\$ 10,959,375	\$ 2,191,875	\$ 13,151,250	\$ 17,651,250
Area 6	8,730	\$ 5,674,500	2,000	\$ 600,000	\$ 6,274,500		\$ 6,274,500	\$ 1,568,625	\$ 7,843,125	\$ 1,568,625	\$ 9,411,750	
Area 10	7,960	\$ 5,174,000	4,340	\$ 1,302,000	\$ 6,476,000	\$ 4,500,000	\$ 10,976,000	\$ 2,744,000	\$ 13,720,000	\$ 2,744,000	\$ 16,464,000	
Totals	24,690	\$ 16,048,500	11,565	\$ 3,469,500	\$ 19,518,000	\$ 6,500,000	\$ 26,018,000	\$ 6,504,500	\$ 32,522,500	\$ 6,504,500	\$ 39,027,000	
					\$538							
					per foot							



## 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: FY2023 - FY2027**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-05	
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
		FY2023	FY2024	FY2025	FY2026	FY2027	
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>\$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>

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

Open Space

Recreation

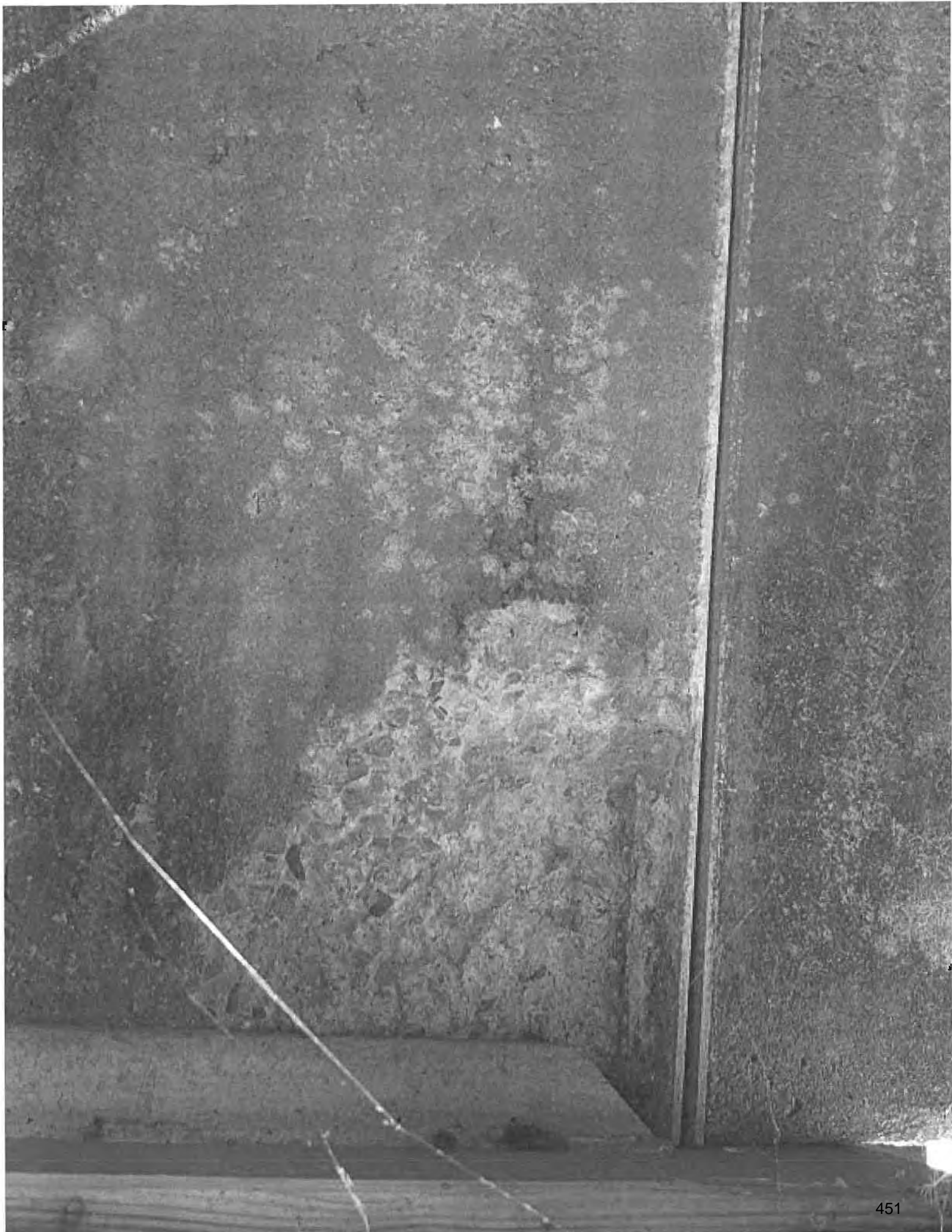
Historical

Housing

**Operating Budget Impact**

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





## Preliminary Capital Budget Scituate Wastewater Department

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

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### 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.
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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

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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: FY2023 - FY2027**

Date submitted: 9-27-18

Date of Last Edit: 9-20-19

Project Number:	2025-440-06
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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$50,000			\$50,000			<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$300,000			\$300,000			<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$900,000			\$900,000			<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,250,000	\$0	\$0	\$1,250,000	\$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	\$1,250,000	\$0	\$0	\$1,250,000	\$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: FY2023 - FY2027

Date submitted: 9-24-21

Date of Last Edit: 9-24-21

Project Number:	2026-440-01		
Project Title:	Sewer Expansion North Scituate		
Category:	Construction		
Department: DPW Sewer	Contact:	William Branton	

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

**Description:**

This is a planning estimate amount representing the anticipated costs for expanding sewer service to districts 3, 6 and 10 within phase 5 of the sewer expansion plan. Several alternatives may exist for the collection and conveyance of the sewers in North Scituate. The costs estimated in this request represent the costs for installing roughly 24,690 feet of gravity sewer mains and 11,565 feet of low pressure mains and the construction of two pumping stations.

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

Provides sewer service to business district in town which will support growth and buildout for the area. This project has the added benefit of addressing known and potential impacts from existing septic systems in the area. If not completed, the North Scituate area will continue to be limited for growth due to the restraints and environmental impacts of on-site systems.

**Discuss Operating Budget Impact:**

*Expands service area which will increase number of billable locations for sewer use. The addition of two pumping stations and the increased lengths of sewer mains to maintain may require additional full or part time staff to allow the division to operate and maintain the infrastructure and ensure environmentally safe practices. These costs could be offset by the increase in revenue from additional services.*

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$6,694,350			\$6,694,350		
Land Acquisition	\$0					
Construction	\$22,314,500				\$22,314,500	
Equipment/Furnishings	\$0					
Contingency	\$11,157,250				\$11,157,250	
Other	\$0					
<b>TOTAL</b>	<b>\$40,166,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,694,350</b>	<b>\$33,471,750</b>	<b>\$0</b>

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

Tax Levy

Debt

Enterprise Retained Earnings

Capital Stabilization

Free Cash

Revolving Fund

CPA

Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$40,166,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,694,350</b>	<b>\$33,471,750</b>	<b>\$0</b>

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

Open Space

Recreation

Historical

Housing

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





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9-24-21

Date of Last Edit: 10-13-21

Project Number:	2026-440-02
Project Title:	I-I Ongoing
Category:	Construction
Department: DPW Sewer	Contact: William Branton

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring       Resubmission

                                 Multiyear       Phase - Final

**Description:**

Provide funding for ongoing inflow and infiltration, detection, prevention, and removal measures. Town staff routinely inspects new and old services and performs 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:**

- Sewer main inspection.
- Vac-con jetting and cleaning.
- Disposal of debris.
- Manhole replacement.

**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 (Waste Water Treatment Plant). If not completed excess flows into town sewer may go unnoticed or repairs to address discovered issues may be delayed or differed.*

*Short term investment that can lead directly to reduced energy and chemical costs for the following year. Reducing costs driven more severely by flows at the facility. Long term this 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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$20,000				\$20,000		<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$100,000				\$100,000		<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$100,000				\$100,000		<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$220,000	\$0	\$0	\$0	\$220,000	\$0	<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>\$220,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$220,000</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

	8" Gravity (ft)	lps (ft)	Assume Zoning Flows				GPD	GPM		
			ADF (gpd)	PHF	IDM	GPD/IDM				
<b>Area 3</b>										
Henry Turner Bailey Rd	2,100		86,250	483,000	12	300	3,636	486,636	338 PS#1 to #2	N. Scituate Pump Station; 6" force main; 4 fps
Gannett Pasture Lane	1,100									
Gannett Pasture Ln "T"		900								
Whortleberry Lane	500									
Booth Hill Road	800	1,100								
Country Way	1,500									
Gannett Road	800	450								
Mordecai Lincoln Road	1,200	450								
Riverview Place		650								
Summit Avenue		675								
CJ Cushing Drive		1,000								
	<b>8,000</b>	<b>5,225</b>								
<b>Area 6</b>			33,000	184,800	13	300	4,029	188,829	131 to PS#2	
Ann Vinal Rd		2,000								
Hollett Street	3,400									
Sedgewick Drive	3,000									
Townsend Road	900									
Bullrush Farm Road	1,100									
Battles Hill Lane	330									
	<b>8,730</b>	<b>2,000</b>								
<b>Area 10</b>			27,000	151,200	12	300	3,618	154,818	108 to PS#2	
Hollett Street	500									
County Way	2,400							343,647	239	
Captain Peirce Rd E		2,000	10' deep dip before County Way - all on LPS							
Captain Peirce Rd W	900								577 PS#2	Hollett St. Pump Station; 12" force main; 1.5 fps
Blueberry Lane		320								
Captain Pine Road	660									
Hatchet Rock Road E	700									
Hatchet Rock Road W		520								
Louise Land	300									
Arborway Drive	1,100									
Aberdeen Drive S	250	650								
Aberdeen Drive N	1,150									
Acorn Street		850	Has slope but connects to LPS on Aberdeen Drive S							
	<b>7,960</b>	<b>4,340</b>								

**Assumptions and Process**

- 1 Cannot build Area 3 without N Scituate PS (PS#1), and downstream Hollett Street PS (PS#2) at junction of Area 6 and Area 10  
 Therefore Area 3 costs also should include the downstream pump station  
 PS#2 force main (12") velocities will be too low if build only Area 3  
 PS#2 force main (12") velocities will be 1.4 fps with all three areas connected, without up-sizing PS#2. This is DI force main  
 PS#2 should be 1,050 gpm for 3 fps, but we only need 500 gpm to serve all 3 areas
- 2 Used Google Earth Pro for elevations and distances
- 3 Gravity flow to pump stations to height of elevation; LPS for any properties beyond height of elevation
- 4 Two pump stations as shown on plans provided by Scituate
- 5 \$500 per foot for gravity sewer  
 For every \$100 per foot of gravity sewer, total cost changes by \$10 million
- 6 \$300 per foot for LPS
- 7 \$4,500,000 for => 500 gpm PS (Pleasant Street with dewatering)
- 8 \$2,000,000 for < 500 gpm PS
- 9 50% contingency
- 10 20% engineering after contingency

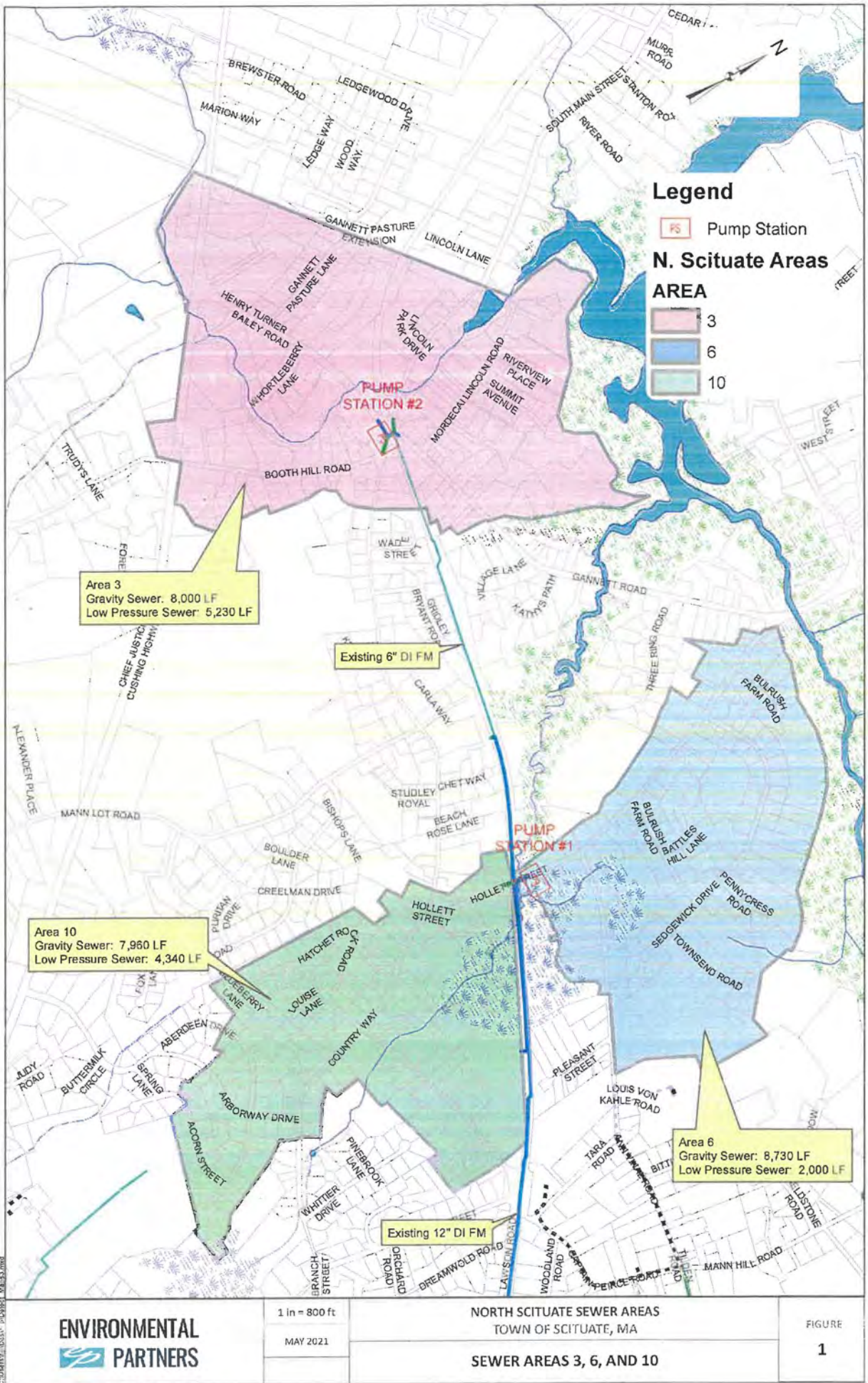
	Gravity		LPS		Sewer	Pump Sta	50%		20%		With PS#2	
	\$	500	\$	300			Subtotal	Contingency	Subtotal	Eng / CA	Total	
Area 3	8,000	\$ 4,000,000	5,225	\$ 1,567,500	\$ 5,567,500	\$ 2,000,000	\$ 7,567,500	\$ 3,783,750	\$ 11,351,250	\$ 2,270,250	\$ 13,621,500	\$ 18,121,500
Area 6	8,730	\$ 4,365,000	2,000	\$ 600,000	\$ 4,965,000		\$ 4,965,000	\$ 2,482,500	\$ 7,447,500	\$ 1,489,500	\$ 8,937,000	
Area 10	7,960	\$ 3,980,000	4,340	\$ 1,302,000	\$ 5,282,000	\$ 4,500,000	\$ 9,782,000	\$ 4,891,000	\$ 14,673,000	\$ 2,934,600	\$ 17,607,600	
<b>Totals</b>	<b>24,690</b>	<b>\$ 12,345,000</b>	<b>11,565</b>	<b>\$ 3,469,500</b>	<b>\$ 15,814,500</b>	<b>\$ 6,500,000</b>	<b>\$ 22,314,500</b>	<b>\$ 11,157,250</b>	<b>\$ 33,471,750</b>	<b>\$ 6,694,350</b>	<b>\$ 40,166,100</b>	
					\$436						\$1,108	
			LPS is 32%		per foot						per foot	

**Contingency at 50% is appropriate for budgetary planning:**

- Lengths of pipe are from Google Earth
- Utility interference
- Unknown subsurface conditions
- Could assume an additional pump station and gravity sewer in largest length of LPS, Captain Peirce Rd E
- Additional potential extension of gravity sewer versus LPS
- Unknown bid date and escalation
- Dewatering issues - very wet areas, with shallow groundwater throughout town
- PS#2 up-sizing cost
- Tight locations for pump stations - busy intersections
- Railroad - may be within zone of influence for licensing with MBTA
- Potential repairs to downstream interceptor should be included

**Use adjusted Cedar Point bids (LPS vs 10" PVC, no demo of existing, no sewer bypass; laterals to PL, etc.)**

	Gravity		LPS		Sewer	Pump Sta	25%		20%		With PS#2	
	\$	650	\$	300			Subtotal	Contingency	Subtotal	Eng / CA	Total	
Area 3	8,000	\$ 5,200,000	5,225	\$ 1,567,500	\$ 6,767,500	\$ 2,000,000	\$ 8,767,500	\$ 2,191,875	\$ 10,959,375	\$ 2,191,875	\$ 13,151,250	\$ 17,651,250
Area 6	8,730	\$ 5,674,500	2,000	\$ 600,000	\$ 6,274,500		\$ 6,274,500	\$ 1,568,625	\$ 7,843,125	\$ 1,568,625	\$ 9,411,750	
Area 10	7,960	\$ 5,174,000	4,340	\$ 1,302,000	\$ 6,476,000	\$ 4,500,000	\$ 10,976,000	\$ 2,744,000	\$ 13,720,000	\$ 2,744,000	\$ 16,464,000	
<b>Totals</b>	<b>24,690</b>	<b>\$ 16,048,500</b>	<b>11,565</b>	<b>\$ 3,469,500</b>	<b>\$ 19,518,000</b>	<b>\$ 6,500,000</b>	<b>\$ 26,018,000</b>	<b>\$ 6,504,500</b>	<b>\$ 32,522,500</b>	<b>\$ 6,504,500</b>	<b>\$ 39,027,000</b>	
					\$538							
					per foot							



Area 3  
Gravity Sewer: 8,000 LF  
Low Pressure Sewer: 5,230 LF

Existing 6" DI FM

Area 10  
Gravity Sewer: 7,960 LF  
Low Pressure Sewer: 4,340 LF

Existing 12" DI FM

Area 6  
Gravity Sewer: 8,730 LF  
Low Pressure Sewer: 2,000 LF

**Legend**

Pump Station

**N. Scituate Areas**

**AREA**

- 3
- 6
- 10



1 in = 800 ft  
MAY 2021

NORTH SCITUATE SEWER AREAS  
TOWN OF SCITUATE, MA  
SEWER AREAS 3, 6, AND 10

FIGURE  
1

C:\Users\jrb\OneDrive\Documents\p018691\_May21.mxd







**Presents a Proposal Summary**

of the



**2110i**

Combination Single Engine Dual Stage Sewer Cleaner with Hydrostatic Driven Vacuum System Mounted on a Heavy-Duty Truck Chassis

for

**Town of Scituate**

**September 2021**

## PRODUCT DESCRIPTION

- 2100i with Single Engine Dual Stage Fan, 10 Yard Debris Body, 1000 Gallons of Fresh Water

## STANDARD FEATURES

- 24" x 26" x 69" Curb Side Aluminum Toolbox
- Aluminum Fenders
- Mud Flaps
- Electric/Hydraulic Four Way Boom
- Color Coded Sealed Electrical System
- Remote Pendant Control w/35' Cord
- Intuitouch Electronic Package
- Double Acting Dump Hoist Cylinder
- Handgun Assembly w/35' x 1/2" Hose w/Quick Disconnects
- 3" Y-Strainer at Water Pump Inlet
- Ex-Ten Steel Cylindrical Debris Tank
- Flexible Hose Guide
- 30 Deg. Sand Nozzle w/Carbide Inserts
- 30 Deg. Sanitary Nozzle w/Carbide Inserts
- 15 Deg. Penetrator Nozzle w/Carbide Inserts
- Nozzle Storage Rack
- Vacuum Tube Storage: Curbside (2) Pipe, Rear Door (2) Pipe
- 1" Nozzle
- 10' Leader Hose
- Flat Rear Door w/Hydraulic Locks and Door Power-up/Down, Open/Close Feature
- Dual 10" Stainless Steel Float Shut Off System/Rear Mounted
- Debris Body Vacuum Relief System
- Debris Deflector Plate
- 48" Dump Height
- Water Sight Gauge DS/PS
- Liquid Float Level Indicator
- Boom Transport Post Storage
- 3" Y-Strainer @ Water Pump w/3" Drain Valve
- Performance Package: (Hyd Variable Flow, Dual PTO's, Dual Hyd. Pumps)
- 1" Water Relief Valve for Vactor Water Pump
- Midship Handgun Coupling
- Side Mounted Water Pump
- Hose Wind Guide (Dual Roller)
- Hose Reel Manual Hyd. Extend/Retract
- Hose Reel Chain Cover (Full)
- Tachometer/Chassis Engine W/ Hourmeter
- Circuit Breakers
- LED Lights. Clearance, Back-Up, Stop, Tail & Turn
- Tow Hooks, Front and Rear
- Electronic Back-Up Alarm
- Hydraulic Tank Shutoff Valves
- 8" Vacuum Pipe Package
- Emergency Flare Kit
- Fire Extinguisher 5 Lbs.
- Low Water Alarm with Water Pump Flow Indicator
- Front Joystick Boom Control
- Rodder System Accumulator- Jack Hammer on/off control w/ manual valve
- Digital Hose Footage Counter
- Water Pump Hour Meter
- PTO Hour Meter
- Hydraulic Oil Temp Alarm



- Digital Water Pressure Gauge
- Chassis Modifications

### **ADDITIONAL FEATURES**

- 180 Degree Rotation, 10 Ft. Hydraulic Telescoping Boom, Front Loading 8" Suction Hose
- 80 GPM Variable Flow Water System
- 2500 PSI Water Pressure
- 1" x 500' Piranha Sewer Hose, 2500 PSI
- Hydraulic Extending/Rotating 15" Hose Reel (1" x 800') Capacity
- Module Paint, Dupont Imron Elite - Sanded Primer Base
- Debris Body Flush Out System
- 6" Knife Valve w/Cam-Loc, Rear Door, 3:00 Position
- 6" Knife Valve w/Cam-Loc, Rear Door, 6:00 Position
- Externally Mounted Trash Pump w/Screen
- Centrifugal Separators
- Folding Pipe Rack, Curbside, 8" Pipe
- Folding Pipe Rack, Streetside, 8" Pipe
- Folding Pipe Rack, Rear Door, 8" Pipe
- Lube Manifold
- Plastic Lube Chart
- Air Purge
- Water Ring Assembly, At Debris Body Inlet
- Wireless Controls, including hose reel controls
- Rotatable Boom Inlet Hose, Telescoping Boom
- Cold Weather Recirculator, PTO Driven, 25 GPM
- Handgun Couplers, Front and Rear
- Hydro Excavation Kit - Includes Lances, Nozzles, Storage Tray, and Vacuum Tubes
- Automatic Hose Level Wind Guide, Indexing
- Fan Flushout System
- Cyclone Washout System
- High Pressured Hose Reel
- Rodder Pump Drain Valves
- Rear Directional Control, LED Split Arrowboard
- Waterproof, Rechargeable, Wireless, Handheld, LED Spot Light w/ 12V Charger and Plug
- 14 Lighting Package, 14 Federal Signal Strobe Lights, LED
- LED Mid-Ship Turn Signals
- Worklights (2), LED, Telescoping Boom
- Worklights (2), LED, Rear Door
- Worklight, LED, Operators Station
- Worklight, LED, Hose Reel Manhole
- Worklight, LED, Curb Side
- Worklight, LED, Street Side
- Toolbox, Front Bumper Mounted, 16 x 12 x 18 w/ (2) LED Side Markers
- Toolbox, Behind Cab
- Toolbox, Driver Side Chassis Frame, 60w x 24h x 24d
- Toolbox, Driver Side Subframe, 48w x 20h x 12d
- Camera System, Front and Rear
- Safety Cone Storage Rack - Drop in Style
- Digital Water Level Indicator
- Digital Debris Body Level Indicator
- (1) 8" x 3' Aluminum Vacuum Tube
- (1) 8" x 5' Aluminum Vacuum Tube
- (1) 8" x 78" Higbee C/B Nozzle Assembly
- (5) 8" Quick Clamp Assembly
- (2) 3" Y-Strainer Screen
- (1) Flexible Hose Guide

- 1 Printed Full Vector Manual
- Vector Standard Manual and USB Version – 1

Chassis - 2022 International HV607 SBA, 370 HP, Auto, 66,000 GVWR, Tandem Axle  
Module Paint Match Cab - Yes  
Module Paint Color - White  
Cab Color - White  
Door Stripe Color - None  
Chassis Axle - Tandem

**Budget Price:**

\$485,000.00

## LIMITED WARRANTY

Limited Warranty. Each machine manufactured by VACTOR MANUFACTURING (or, "the Company") is warranted against defects in material and workmanship for a period of 12 months, provided the machine is used in a normal and reasonable manner and in accordance with all operating, maintenance and safety instructions. In addition, certain machines and components of certain machines have extended warranties as set forth below. If sold to an end user, the applicable warranty period commences from the date of delivery to the end user. If used for rental purposes, the applicable warranty period commences from the date the machine is first made available for rental by the Company or its representative. This limited warranty may be enforced by any subsequent transferee during the warranty period. This limited warranty is the sole and exclusive warranty given by the Company.

### STANDARD EXTENDED WARRANTIES (Total Warranty Duration)

2100 Series, HXX Series and Jetters

10 years against water tank leakage due to corrosion. Nonmetallic water tanks are covered for 5 yrs. against any factory defect in material or workmanship.

2100 Series, HXX Series and Guzzler only

5 years against leakage of debris tank, centrifugal compressor or housing due to rust-through.

2100 Series and Jetters

2 years - Vactor Rodder Pump

Exclusive Remedy. Should any warranted product fail during the warranty period, the Company will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or factory workmanship. Repairs or replacements are to be made at the selling Company's authorized dealer's or distributor's location or at other locations approved by the Company. In lieu of repair or replacement, the Company may elect, at its sole discretion, to refund the purchase price of any product deemed defective. The foregoing remedies shall be the sole and exclusive remedies of any party making a valid warranty claim.

This Limited Warranty shall not apply to (and the Company shall not be responsible for):

1. Major components or trade accessories that have a separate warranty from their original manufacturer, such as, but not limited to, trucks and truck chassis, engines, hydraulic pumps and motors, tires and batteries.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as, but not limited to, oils, fluids, vacuum hose, light bulbs, fuses and gaskets.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended or not in accordance with operating, maintenance or safety instructions provided by the Company.
5. Repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

\*NOTE\* The use in the product of any part other than parts approved by the Company may invalidate this warranty. The Company reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make the Company liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

THIS WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND TO THE EXTENT PERMITTED, CONFERRED BY STATUTE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY AGAINST FAILURE OF ITS ESSENTIAL PURPOSE, ALL OF WHICH ARE DISCLAIMED.

This warranty is in lieu of all other obligations or liabilities, contractual and otherwise, on the part of the Company. For the avoidance of doubt, the Company shall not be liable for any indirect, special, incidental or consequential damages, including, but not limited to, loss of use or lost profits. The Company makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any machine manufactured by the Company. Any legal action based hereon must be commenced within eighteen (18) months of the event or facts giving rise to such action.

The Company reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.



VACTOR MANUFACTURING  
1621 S. Illinois Street  
Streator, IL 61364



Subsidiary of AVCO Signal Corporation



Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
50	Powerwash & Paint Metal Space Buildings	2024-433-01	Transfer Station	2024	TS	\$ 45,000	
37	Replace 2005 Chevy 3500 Truck, Plow & Sander	2024-433-02	Transfer Station	2024	TS	\$ 85,000	
35	Transfer Station Entrance Gate & Key Card Access	2024-433-03	Transfer Station	2024	TS	\$ 150,000	
62	Transfer Station Overhead Rolling Door & Motor Replacement	2025-433-01	Transfer Station	2025	TS	\$ 150,000	
<b>Total FY2023-2027</b>						<b>\$ 430,000</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
33000580	589000	21A3W	REPLACE 2010 LOADER	1,525.00
33000580	589000	20N76	YARD JOCKEY REPLACEMENT	385.20
63433917	589000	173DD	Landfill Gas Piping	175,000.00
63433918	589000	183LL	Sand Blast & Paint Scale	40,000.00
63433919	589000	19A3Q	CRACK SEAL & PAVEMENT MRKGS	35,665.94
63433920	589000	20N1	UNPAID PY BILLS	133.09
<b>Transfer Station Enterprise Total</b>				<b>252,709.23</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

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

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

Project Number:	2024-433-02
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. This vehicle will also be available to move material onsite or able to pickup parts for repairs.*

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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							<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$85,000</b>	<b>\$0</b>	<b>\$85,000</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>\$85,000</b>	<b>\$0</b>	<b>\$85,000</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 CHRYSLER DODGE JEEP RAM OF RAY  
 191 NEW STATE HWY  
 RAYNHAM, MA 027675445

Configuration Preview

Date Printed: 2021-09-22 11:38 AM VIN: Quantity: 1  
 Estimated Ship Date: VON: Status: BA - Pending order  
 FAN 1: 00UXW Town of Scituate  
 FAN 2:  
 Client Code:  
 Bid Number: TB1114  
 PO Number:

Sold to: Ship to:  
 CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44796) CENTRAL CHRYSLER DODGE JEEP RAM OF RAYNHAM (44796)  
 191 NEW STATE HWY 191 NEW STATE HWY  
 RAYNHAM, MA 027675445 RAYNHAM, MA 027675445

Vehicle: *2022* 2021 5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in) (DP0L63)

	Sales Code	Description	MSRP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in)	43,695
Package:	2YA	Customer Preferred Package 2YA	0
	ETN	6.7L I6 Cummins Turbo Diesel Engine	7,945
	DF2	6-Spd Auto Aisin AS69RC HD Trans	1,600
Paint/Seat/Trim:	PPX	Patriot Blue Pearl Coat	100
	APA	Monotone Paint	0
	*TX	HD Vinyl 40/20/40 Split Bench Seat	0
	-X8	Black/Diesel Gray	0
Options:	A61	Tradesman Level 1 Equipment Group	995
	MDA	Front License Plate Bracket	0
	ACL	DOT Certified Roadside Safety Kit	195
	DK3	Elec Shift-On-The-Fly Transfer Case	295
	4DH	Prepald Holdback	0
	MRT	Chrome Tubular Side Steps	495
	4ES	Delivery Allowance Credit	0
	ADE	Cold Weather Group	175
	MAF	Fleet Purchase Incentive	0
	LNJ	Front Fog Lamps	195
	XHC	Trailer Brake Control	370
	AMP	Chrome Appearance Group	870
	AHD	Heavy Duty Snow Plow Prep Group	495
	LBN	Power Take Off Prep	295
	TBB	Full Size Spare Tire	395
	5NG	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:	TB1114	Government Incentives	0
Destination Fees:		<b>Bid Price VEH98 state contract with upfit at JC Madigan</b>	1,695
		<b>\$69,653.75</b>	<b>Total Price:</b>

Order Type: Fleet PSP Month/Week:  
 Scheduling Priority: 1-Sold Order Build Priority: 99

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 DEB Z. @ CENTRAL DODGE

FROM JOHN DWYER

1) 9 FT 3 TO 4 CUYD 10 GAUGE STEEL DUMP BODY WITH  
STRUCTURAL STEEL 12" ON CENTER CROSSMEMBERS AIR-FLO  
PRO-CLASS SERIES MOUNTED ON TOWN SUPPLIED CHASSIS  
UNDERCOATED AND PAINTED BLACK 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 MUDFLAPS / BACKUP & LIFT ALARMS
- F) QUICK-LATCH TAILGATE CLOSING MECHANISM

NEED 60"CA / PLOW PREP. / AUX SWITCHES IF AVAILABLE

OPTIONS:

- 1) 30" STAINLESS UNDERBODY TOOLBOX INSTALLED ADD \$950.00
- 2) PINTLE PLATE & HARDWARE ADD \$900.00
- 3) REAR CORNER POST RECESSED LED FLASHERS ADD \$700.00

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

PO# \_\_\_\_\_ 09/22/2021





**Town of Scituate**  
**Capital Plan - FY 2023-2027**  
**Sorted by Department, Year & Project Number**

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
74	New Treatment Plant	2023-450-01	Water	2023	W	\$ 50,000,000	
63	Redevelopment of Public Wells	2023-450-02	Water	2023	W	\$ 125,000	
67	Humarock Water Mains-Construction	2023-450-03	Water	2023	W	\$ 6,300,000	
64	West End Well Investigation	2023-450-04	Water	2023	W	\$ 250,000	
65	Well #19 & 22 Upgrades	2023-450-05	Water	2023	W	\$ 325,000	
65	Well #10 & 11 Upgrades	2023-450-06	Water	2023	W	\$ 564,000	
65	Replace Water Mains - Phase 6	2023-450-07	Water	2023	W	\$ 2,200,000	
50	10 Yr Meter replacement cycle program	2023-450-08	Water	2023	W	\$ 220,000	
52	Repair Mann Lot Standpipe - Design	2024-450-01	Water	2024	W	\$ 250,000	
64	Mann Lot Booster Station Upgrades	2024-450-02	Water	2024	W	\$ 150,000	
32	Replace Truck #39 2009 Chevy Silverado Pick-up	2024-450-03	Water	2024	W	\$ 63,000	
65	Replace Water Mains - Phase 7	2024-450-04	Water	2024	W	\$ 2,300,000	
50	10 Yr Meter replacement cycle program	2024-450-05	Water	2024	W	\$ 230,000	
52	Repair Mann Lot Standpipe - Construction	2025-450-01	Water	2025	W	\$ 1,200,000	
64	Walnut Tree Booster Station Upgrades	2025-450-02	Water	2025	W	\$ 107,000	
63	Redevelopment of Public Wells	2025-450-03	Water	2025	W	\$ 125,000	
38	Replace 2008 Chevy Colorado Pick-up	2025-450-04	Water	2025	W	\$ 63,000	
49	Replace Water Mains - Phase 8	2025-450-05	Water	2025	W	\$ 2,400,000	
50	10 Yr Meter replacement cycle program	2025-450-06	Water	2025	W	\$ 240,000	
52	Reservoir Expansion	2025-450-07	Water	2025	W	\$ 1,790,000	
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	
67	Replace Water Mains - Phase 9	2026-450-03	Water	2026	W	\$ 2,500,000	
50	10 Yr Meter replacement cycle program	2026-450-04	Water	2026	W	\$ 250,000	
42	Replace Truck #104 6 Wheel Dump Truck	2027-450-01	Water	2027	W	\$ 150,000	
49	Redevelopment of Public Wells	2027-450-02	Water	2027	W	\$ 125,000	
50	Well 18B Upgrades	2027-450-03	Water	2027	W	\$ 850,000	
67	Replace Water Mains - Phase 10	2027-450-04	Water	2027	W	\$ 2,600,000	
52	10 Yr Meter replacement cycle program	2027-450-05	Water	2027	W	\$ 260,000	
<b>Total FY2023-2027</b>						<b>\$ 76,587,000</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
35000580	589000	183NN	Chemical Feed Tanks	37,282.15
35000580	589000	18S5	Emergency WTP Repairs	124,963.27
35000580	589000	203EE	PERM RESIDUALS DISP WELL 18B	63,676.65
35000580	589000	203FF	REPLACE WATER MAINS	82,402.77
35000580	589000	21A3Y	STORAGE TANK IMPROVEMENTS	166,873.83
35000580	589000	12A4R	Water back-up generator well #	26,494.99
35000580	589000	10A4H	Water Mains	105.03
35000580	589000	19A3U	WELL 17A GREEN SAND CONST	224,246.53
65450913	589000	13N11	Water Main Replacement	216,944.66
65450916	589000	16A4P	Emergency Generator Well #18	36,160.18
65450916	589000	16A4R	Well #17 Upgrades	6,510.06
65450916	589000	16A4O	Well #19 Envir. Review	38,842.90
65450917	589000	17A3Y	Dolan Field Design & Permitng	47,215.00
65450918	589000	183RR	Upgrade to Well #17A	128,590.29
65450919	589000	19SJ2	FIBER CAPITAL OUTLAY	5,603.22
65450919	589000	19S33	SECURITY UPGRADES	405.03
65450919	589000	19S35	WATER METER REPLACEMENT	110,154.30
65450920	589000	203GG	CHEMICAL FEED SYSTEM TWO LOC	19,954.40
65450920	589000	203II	METER REPLACEMENT	47,909.54
65450921	589000	21A19	LAND ACQ- COWINGS COVE	5,252.84
65450921	589000	21A3Y	STORAGE TANK IMPS	333,126.17
<b>Water Enterprise Total</b>				<b>1,722,713.81</b>

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.





October 16, 2021

Mr. Sean Anderson, Superintendent  
Scituate Water Department  
Via E-Mail

Re: **New Water Treatment Plant – Capital Cost Estimate**

Dear Sean,

The Water Master Plan, previously prepared by Tighe & Bond indicated a cost for a new water plant as \$40 Million. Since that estimate was created, the impact of the Covid pandemic has caused the cost of raw construction materials – steel, concrete, wood and machinery – to increase upwards of 20%. Allowing for the material cost increases and for inflation to the mid-point of construction we would recommend a capital improvement budget of \$50 Million for the water plant and connecting appurtenances.

We are working on an overall project schedule that has the Spring Town Meeting in 2022 voting on an appropriation for construction, permitting and construction engineering costs. The schedule anticipates start of construction in late spring 2023 with a two year construction duration.

The design engineer, Woodard & Curran, is currently engaged in piloting treatment process, conducting geotechnical evaluations, and developing a concept for a new treatment facility with treatment tankage, administrative space, space for the distribution equipment all to be located on the parcel, acquired this year, located off of Route 3A immediately north of the reservoir.

The project's schedule has a December 2021 milestone for a project cost update. That project cost update will be shared with the team at our December monthly meeting.

For reference, the Town of Falmouth constructed a new water treatment facility roughly 5 years ago. The scope of that project is quite similar to Scituates. That project included treatment tankage, residual lagoons, administrative facilities and a garage for the distribution operations. The final construction project cost in Falmouth was \$42.5 million. Factoring in the differences of scale of that treatment and the one proposed for Scituate, it is my professional opinion that \$50 million is a reasonable value to use as a place holder pending the project cost update this December.

Very truly yours,

**TIGHE & BOND, INC.**

Stephen Rafferty, Owner's Project Manager  
Principal Engineer



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/21/21

Project Number:	2023-450-02		
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 [ x ]    Resubmission [ ]

                  Multiyear [ ]    Phase - Final

**Description:**

Redevelopment of Drinking Water Wells to increase their pumping capacity and extend the longevity of the well. We experienced a pump bearing failure at Well 19 on May 28th, 2021. An emergency water ban was issued until repairs could be made. Redeveloping the wells every two years will reduce the likelihood of a failure. 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.

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input checked="" type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" 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
<b>TOTAL</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0						<b>CPA Purpose(s)</b> Check all that apply
CPA Amount Requested	\$0						
<b>Net of CPA and Grants</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

**Operating Budget Impact**

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

Open Space

Recreation

Historical

Housing



71 Concord Street  
North Reading, MA 01864  
Tel: 978-664-WELL (9355) Fax: 978-664-9356  
www.maherserv.com

9/22/2021

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

**Proposal No.: MS-4650**

**RE: Budget for Well Redevelopment  
Scituate, MA**

Dear Sean,

We are pleased to submit this proposal for the above referenced project. Maher Services, Inc, (MSI), 71 Concord Street, North Reading, MA 01864, will be providing services to Scituate DPW Water Division (CLIENT) for the project referred to as Budget for Well Redevelopment, Scituate, MA per Schedule A – Detailed Pricing.

**Scope of Work:**

We are pleased to provide the attached proposal to clean and redevelop the well. Access to the wells must be provided for our truck mounted equipment. We will use Pantomite PM 77 (NSF standard 60 chemical approved by MA DEP for use in drinking water systems).

Our proposal includes:

- **For safety, protection of the controls and to limit the liability of the Town / Water District we will provide our own generator to power the redevelopment equipment. The power in the station will be locked and tagged out during redevelopment.**
- 30 hours of machine time redeveloping the well.
- The pump will be brought to our shop, 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.
- Price is based on the required Massachusetts Prevailing Wage Rates.
- We will provide certified payrolls.
- All of our equipment operators hold current Hoisting Licenses as required by the Massachusetts Department of Safety. Names of operators and licenses will be provided.
- All of our employees are OSHA 10 certified.


Prices are good for 10 days from the date of this proposal and are based upon Massachusetts Prevailing Wage Rates. Payment are net 30 days and interest will be charged at the rate of 1-1/2% per month on any balance that remains unpaid thirty (30) days after the date of invoice. The pricing and scope of work is based upon information provided to MSI, and is an estimate only.

Site access is to be provided and maintained by CLIENT in a condition suitable for MSI's equipment. MSI is not responsible for damage to paved, grassed, or landscaped areas. MSI is not responsible for materials and items not specifically enumerated in the proposal/contract. MSI is not responsible for Federal, state or local permits and/or taxes.

Our Contract Terms and Conditions are attached hereto and by this reference incorporated into the contract. In order to proceed, please return a signed copy of the proposal along with an initialed copy of the Contract Terms and Conditions.

If you need further information, please contact us.

Sincerely,  
MAHER SERVICES, INC.



Peter Maher  
pmaher@maherserv.com

# Maher Services, Inc.

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

# Proposal

MS-4650

<p>9/22/2021</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: <b>RE: Budget for Well Redevelopment</b></p> <p><b>Scituate, MA</b></p>
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Item	Description	Estimated Quantity	Unit	Unit Cost	Tax able Total
1	Remove and reinstall pump, video inspect well before and after redevelopment.	1.00	ls	\$ 6,000.00	\$ 6,000.00
2	The pump will be brought to our shop, 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	\$ 600.00	\$ 600.00
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	\$160.00	\$ 4,800.00
5	Muriatic acid	110.00	gal	\$6.00	\$ 660.00
6	Chlorine	1.00	ls	\$60.00	\$60.00
7	Pantonite PM 77 (NSF standard 60 chemical approved by MA DEP for use in drinking water systems).	55.00	gal	\$38.00	\$ 2,090.00
	<b>Please Note:</b>				
	For safety, protection of the controls and to limit the liability of the Town / Water District we will provide our own generator to power the redevelopment equipment. The power in the station will be locked and tagged out during redevelopment.				
	Hoisting licenses for each operator will be provided.				
	All employees are OSHA 10 certified.				
	Insurance certificate including pollution liability will be provided				
					\$ 17,210.00
<b>Estimated Total</b>					<b>\$ 17,210.00</b>



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2023-450-03		
Project Title:	Humarock Water Mains-Construction		
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. Environmental Partners is currently working on designing the water main plans for the Humarock area.

**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 Department.

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$0						<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$6,300,000	\$6,300,000					<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>\$6,300,000</b>	<b>\$6,300,000</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>\$6,300,000</b>	<b>\$6,300,000</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					

## Sean Anderson

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**From:** Paul C. Millett <pcm@envpartners.com>  
**Sent:** Wednesday, September 22, 2021 4:09 PM  
**To:** Sean Anderson  
**Cc:** Sabrina L. Castaneda  
**Subject:** Preliminary Cost Estimate for Humarock watermains  
**Attachments:** Humarock Cost Estimate.pdf

**Follow Up Flag:** Flag for follow up  
**Flag Status:** Flagged

**Categories:** Red Category

Sean:

I reviewed the recent bids and the base bid, and Alt A and B from the projects that the Town bid earlier this year. Alt A and Alt B appear to have been for different paving options.

I came up with a range using the average bid from the 2 contracts. The range of estimates is from \$4.7 to \$5.6M, but you need to add engineering services for construction administration and resident engineering services ..which is typically 10-12%. The total project cost would be \$5.26 to \$6.27M.

To be conservative, \$6.3M is what I recommend you use.

My estimate last week of \$225/ft "all in" for construction is actually close to the combined average of Contract 4A and 4B, including paving Alternate B.

The design, permitting and bidding funds that EP is working off now I believe are already funded.....please confirm with Kevin C.

Let me know if you have any questions. I am in the office tomorrow from 8-12 and then out at a construction meeting in the afternoon on the Cape, but you can call my cell phone anytime.

Paul



Paul C. Millett, PE  
Senior Principal | Regional Manager  
O: 617.657.0276 | C: 617.750.3417  
Environmental Partners  
[envpartners.com](http://envpartners.com)







## Sean Anderson

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**From:** MacKinnon, Kevin <mackinnk@wseinc.com>  
**Sent:** Monday, September 20, 2021 2:46 PM  
**To:** Kevin Cafferty; Sean Anderson; Adams, Bruce  
**Subject:** RE: Capital Planning

I'd recommend the following to get you started, unless you already have a site in mind.

### GIS Analysis, Hydrogeologic Research, and Permitting Review – \$15-25K

Spatial analysis of an area of town to identify most favorable hydrogeologically, and permissible properties for development of public water Supply.

### Test Well Drilling - \$30-40K / site.

For property sizes of about 10-20 Acres, 4-5 test wells with depths of approximately 50 feet and oversight.

From there, the variables are too great to give you accurate price, but what's left includes:

**Permitting** – Local (NOI), MEPA (ENF), DEP New Source (BRPWS17/BRPWS19/BRPWS20), DEP Water Management (WM02)

**Production Well Construction & Testing** - Depends in large part on the size of the well and the expected withdrawal rate. If the withdrawal may impact a number of sensitive receptors (specifically a cold-water fishery), the length of the pumping test is 3x longer and significantly longer and more expensive.

After that it's design, permitting, and construction of the treatment (if necessary) and piping to connect.

Regards,  
Kevin

$$\$ 25,000 + \$ 200,000 + \$ 25,000 = \$ 250,000$$

(contingency)



## Scituate Water FY22 Capital Plan Data

**To:** Sean Anderson  
**FROM:** Michael J. Schrader, P.E.  
**COPY:** Kevin Cafferty, John N. McClellan, PhD, PE  
**DATE:** September 22, 2021

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	\$86,000
E - Electrical	\$377,500
M - Mechanical (heating, ventilation, air conditioning)	\$29,500
S - Structural, Architectural	\$13,000
C - Civil, Site, Security	\$58,000
<b>Total</b>	<b>\$564,000</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	\$ 150,500
E - Electrical	\$ 92,500
M - Mechanical (heating, ventilation, air conditioning)	\$ 35,500
S - Structural, Architectural	\$ 24,000
C - Civil, Site, Security	\$ 22,500
<b>Total</b>	<b>\$ 325,000</b>

APPENDIX C

Conditions Summary Table and Recommended Improvements - Scituate Water System

Facility / System Component	Category	Item	Issue/Deficiency Identified	Proposed Improvement	Reliability / Security	Level of Service	Water Quality Impact	Weighted Score	Budgetary Cost
Well 19/22	E	3	Electrical panels and service equipment are approaching end of service life	Upgrade electrical panels and service equipment in conjunction with SCADA-related improvements	5	3	1	3	\$60,000
Well 19/22	PI	15	Aeration system recirculation pumps are not used	Replace the aeration system recirculation pumps, if needed	1	3	3	2	\$40,000
Well 19/22	M	4	The treatment building exhibits evidence of metal corrosion of the building walls, hangers/supports, and other metal surfaces	Improve heating, ventilation, and climate control system	5	1	1	2	\$25,000
Well 19/22	PI	2	Level in the storage tanks is not trended automatically	Provide level sensors for all existing chemical storage tanks (four)	2	5	5	4	\$12,000
Well 19/22	PI	3	The sodium hypochlorite system does not have a bulk storage tank	Provide bulk tank for sodium hypochlorite with level sensor (would allow for bulk deliveries like potassium hydroxide)	1	3	3	2	\$11,000
Well 19/22	PI	4	The chemical feed systems are approaching the end of their service life, and the piping shows evidence of leaking	Replace sodium hypochlorite and potassium hydroxide tanks, replace leaking piping, replace transfer pump	4	5	5	5	\$10,000
Well 19/22	C	5	Driveway is deteriorating	Repave driveway up to Wellhouse 22, and pave around building or restore gravel	4	1	1	2	\$8,000
Well 19/22	S	2	Walls lack paint	Clean and paint exterior CMU walls at Wellhouse 22	4	1	1	2	\$8,000
Well 19/22	E	4	No emergency lights	Provide emergency lights and exit signs at Wellhouse 22 and Well 19/22 treatment building	5	1	1	2	\$7,000
Well 19/22	C	3	Facility lacks proper fencing	Reinstall chain link fence that was removed at Wellhouse 22	5	4	2	4	\$6,000
Well 19/22	PI	10	Facility lacks a chlorine analyzer	Provide chlorine analyzer	4	2	5	4	\$6,000
Well 19/22	S	6	Floors are unpainted	Clean and paint interior floor at Wellhouse 22 and Well 19/22 treatment building	4	1	1	2	\$6,000
Well 19/22	PI	6	Ductile iron process piping and fittings were rusted/corroded	Clean and repaint rusted ductile iron pipe and fittings, or replace pipe/fittings	1	3	5	3	\$5,000
Well 19/22	PI	13	Facility lacks exterior chemical fill panels to indicate tank level and to provide alarms prior to overfilling bulk tanks	Provide exterior tank level alarm panel including display readout for tank levels	5	2	1	3	\$5,000
Well 19/22	PI	5	The chemical feed systems use a single metering pump each	Provide redundant metering pumps for each chemical feed system	2	5	5	4	\$4,500
Well 19/22	PI	1	Well lacks level instrumentation	Provide automatic well level instrumentation for continuous trending and monitoring (2 wells)	2	4	2	3	\$4,000
Well 19/22	PI	12	Exterior chemical fill line does not have an enclosure or containment for incidental spills	Provide enclosure for chemical fill delivery line and spill bucket under fitting	5	1	1	2	\$4,000
Well 19/22	PI	14	Pump bases and steel plates are rusted	Sandblast, clean, and recoat the pump bases	4	2	1	2	\$4,000
Well 19/22	S	3	Cracks in exterior CMU walls likely due to steel lintel above the lower rusting from water exposure and expanding mortar joint	Repair and seal masonry	5	1	1	2	\$4,000
Well 19/22	C	1	Facility lacks security system	Provide intrusion detection security system, with alarms wired for remote transmission	5	4	2	4	\$3,000
Well 19/22	M	1	The existing portable dehumidifier appears small for the interior space and there is condensation on piping (pipe condensation seeps into containment area)	Replace dehumidifier with adequately sized unit	5	1	1	2	\$3,000
Well 19/22	S	4	Exterior door at Wellhouse 22 is in poor condition	Replace exterior door at Wellhouse 22	4	1	1	2	\$3,000
Well 19/22	C	2	Facility lacks smoke detection and alarms	Provide heat/smoke detectors at Wellhouse 22 with alarms wired for remote transmission	5	1	1	2	\$2,000
Well 19/22	E	1	Surge protection for facility should be evaluated	Verify surge protection is installed and it is adequate to protect the electrical equipment	5	3	1	3	\$2,000
Well 19/22	E	2	Conformity with electrical code should be evaluated	Verify panels have sufficient working space/front clearances per code (NFPA 70, 3' to 4' depending on voltages and layout)	5	1	1	2	\$2,000
Well 19/22	PI	8	Water leaks into the potassium hydroxide containment area and into the trench below the process piping	Identify source of chemical feed system leaks and repair leaks	5	2	1	3	\$2,000
Well 19/22	PI	11	Facility has autodialer but town is experiencing issues with their service provider	Resolve communication issues with service provider	3	4	4	4	\$2,000
Well 19/22	S	1	Insulation is detached from roof in some areas	Repair insulation at Well 19/22 treatment building	5	1	1	2	\$2,000
Well 19/22	C	4	Abandoned gear drive at Wellhouse 22	Consider removing abandoned gear drive at Wellhouse 22	3	1	1	2	\$1,000
Well 19/22	C	6	The wellhouse is in the 100-yr flood zone (base flood elevation not established); this site should be monitored during rain events	Provide building flood sensor at Wellhouse 22 wired for remote transmission	5	3	1	3	\$1,000
Well 19/22	C	8	Debris and vegetation present around Wellhouse 22	Clear debris and vegetation surrounding Wellhouse 22, and clear trees overhanging the Wellhouse	5	1	1	2	\$1,000

APPENDIX C

Conditions Summary Table and Recommended Improvements - Situate Water System

Facility/ System Component	Category	Item	Issue/Deficiency Identified	Proposed Improvement	Reliability / Security	Level of Service	Water Quality Impact	Weighted Score	Budgetary Cost
Well 19/22	E	5	The VFD for Well 22 currently resets to 40 Hz if the automatic transfer switch is triggered, resulting in decreased well production	Reprogram VFD for Well 22	5	5	1	4	\$1,000
Well 19/22	M	3	Recently installed Modine heater is in place, but old heater remains	Remove older unit heater at Wellhouse 22, if not needed and recently installed Modine heater is adequate for the space	2	1	1	1	\$1,000
Well 19/22	S	5	Exterior door at Well 19/22 is in poor condition	Clean and repaint exterior double door at Well 19/22 treatment building	4	1	1	2	\$1,000
Well 19/22	C	7	Well 22 is in the 100-yr flood zone but a base flood elevation is not established	Verify top of casing for Well 22 is above the highest flood of record	3	5	3	4	\$500
Well 19/22	E	6	Some junction boxes have exposed wiring	Provide covers for junction boxes at Wellhouse 22	5	1	1	2	\$500
Well 19/22	M	2	Exterior vent cap is dented	Replace exterior vent cap that is dented and rusted at Wellhouse 22	4	1	1	2	\$500
Well 19/22	PI	7	Tanks may be missing NFPA diamond labels	Provide NFPA diamonds on bulk and day tanks	4	1	1	2	\$500
Well 19/22	PI	9	A potassium hydroxide drum was inside the sodium hypochlorite area	Separate chemicals into their respective containment areas	5	2	1	3	\$500
<b>Total</b>									<b>\$259,000</b>



## Scituate Water FY22 Capital Plan Data

**TO:** Sean Anderson  
**FROM:** Michael J. Schrader, P.E.  
**COPY:** Kevin Cafferty, John N. McClellan, PhD, PE  
**DATE:** September 22, 2021

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	\$86,000
E - Electrical	\$377,500
M - Mechanical (heating, ventilation, air conditioning)	\$29,500
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<b>Total</b>	<b>\$564,000</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	\$ 150,500
E - Electrical	\$ 92,500
M - Mechanical (heating, ventilation, air conditioning)	\$ 35,500
S - Structural, Architectural	\$ 24,000
C - Civil, Site, Security	\$ 22,500
<b>Total</b>	<b>\$ 325,000</b>



APPENDIX C

Conditions Summary Table and Recommended Improvements - Scituate Water System

Facility / System Component	Category	Item	Issue/Deficiency Identified	Proposed Improvement	Reliability/ Security	Level of Service	Water Quality Impact	Weighted Score	Budgetary Cost
Well 10/11	E	4	The wellhouse regularly experiences loss of power and there are three separate meters/services for the facilities	Provide backup generator and connect the facilities to a single electrical service	5	3	1	3	\$200,000
Well 10/11	E	3	Electrical panels and service equipment are approaching end of service life	Upgrade electrical panels and service equipment in conjunction with SCADA-related improvements	5	3	1	3	\$60,000
Well 10/11	C	2	Access for bulk chemical deliveries is poor	Improve access road and building layout for receiving bulk chemical delivery	5	1	1	2	\$50,000
Well 10/11	E	5	Communication cable is currently hanging, supported only by vegetation	Provide poles or underground conduit for communication wire from Well 10 to wellhouse	5	3	1	3	\$45,000
Well 10/11	M	2	The wellhouse exhibits evidence of metal corrosion of the building walls, hangers/supports, and other metal surfaces	Improve heating, ventilation, and climate control system	5	1	1	2	\$25,000
Well 10/11	PI	7	The chemical containment floor and curb walls are uncoated	Provide chemical resistant coating for containment areas	4	3	1	3	\$15,000
Well 10/11	PI	2	Level in the storage tanks is not trended automatically	Provide level sensors for existing chemical storage tanks (four)	2	5	5	4	\$12,000
Well 10/11	PI	3	The sodium hypochlorite system does not have a bulk storage tank	Provide bulk tank for sodium hypochlorite with level sensor (would allow for bulk deliveries like potassium hydroxide)	1	3	3	2	\$11,000
Well 10/11	PI	4	The chemical tanks and the transfer pump are approaching the end of their service life, piping shows evidence of leaking	Replace potassium hydroxide bulk tank and day tank, replace leaking piping, replace transfer pump	4	5	5	5	\$10,000
Well 10/11	S	3	Deteriorated concrete exists around Well 10 casing and the rails cast into the concrete are corroding	Repair deteriorating concrete structure around Well 10 casing and failing railing	5	1	1	2	\$6,000
Well 10/11	PI	8	Ductile iron process piping and fittings were rusted/corroded	Clean and repaint rusted ductile iron pipe and fittings, or replace pipe/fittings	1	3	5	3	\$5,000
Well 10/11	PI	13	Facility lacks exterior chemical fill panels to indicate tank level and to provide alarms prior to overfilling bulk tanks	Provide exterior tank level alarm panel including display readout for tank levels	5	2	1	3	\$5,000
Well 10/11	PI	5	The chemical feed systems use a single metering pump each	Provide redundant metering pumps for each chemical feed system	2	5	5	4	\$4,500
Well 10/11	PI	1	Well lacks level instrumentation	Provide automatic well level instrumentation for continuous trending and monitoring (2 wells)	2	4	2	3	\$4,000
Well 10/11	PI	12	Exterior chemical fill line does not have an enclosure or containment for incidental spills	Provide enclosure for chemical fill delivery line and spill bucket under fitting	5	1	1	2	\$4,000
Well 10/11	E	6	Facility lacks emergency lights and exit signs	Provide emergency lights and exit signs	5	1	1	2	\$3,500
Well 10/11	C	1	Facility lacks security system	Provide intrusion detection security system, with alarms wired for remote transmission	5	4	2	4	\$3,000
Well 10/11	M	1	The existing portable dehumidifier appears small for the interior space and there is condensation on piping	Replace dehumidifier with adequately sized unit	5	1	1	2	\$3,000
Well 10/11	PI	10	Chemical feed systems show signs of leakings	Identify source of chemical feed system leaks and repair leaks	5	1	1	2	\$3,000
Well 10/11	S	5	Floor is dirty and unpainted	Clean and paint interior floor	4	1	1	2	\$3,000
Well 10/11	C	3	Fire suppression system is in place but has not been tested	Test fire suppression system and bring it online	5	1	1	2	\$2,000
Well 10/11	E	1	Surge protection for facility should be evaluated	Verify surge protection is installed and it is adequate to protect the electrical equipment	5	3	1	3	\$2,000
Well 10/11	E	2	Conformity with electrical code should be evaluated	Verify panels have sufficient working space/front clearances per code (NFPA 70, 3' to 4' depending on voltages and layout)	5	1	1	2	\$2,000
Well 10/11	S	4	Insulation is detached from roof in some areas	Repair insulation at wellhouse	5	1	1	2	\$2,000
Well 10/11	C	4	Tree lines are on or within 10 feet of the building	Clear vegetation surrounding the building	5	1	1	2	\$1,000
Well 10/11	C	5	Vegetation is growing on the platforms, stairs, and fences	Clear vegetation surrounding Well 10 and Well 11	5	1	1	2	\$1,000
Well 10/11	C	6	Some barbed wire on fencing is broken	Repair barbed wire along fence lines	5	1	1	2	\$1,000
Well 10/11	M	3	Existing louver system is inoperable	Replace existing louver system	5	1	1	2	\$1,000
Well 10/11	PI	6	Fluoride system does not have separate secondary containment	Provide separate containment area (or other means for secondary chemical containment, such as drum spill containment pallets) for fluoride feed system (110% of total volume stored)	5	2	2	3	\$1,000
Well 10/11	PI	11	There is no low level alarm for chlorine	Provide low level alarm for chlorine from new chlorine analyzer installed recently and wire for remote transmission	2	5	5	4	\$1,000
Well 10/11	S	1	Exterior door paint is dirty and paint is chipping	Clean and repaint exterior double door at the Wellhouse	4	1	1	2	\$1,000

APPENDIX C

Conditions Summary Table and Recommended Improvements - Scituate Water System

Facility / System Component	Category	Item	Issue/Deficiency Identified	Proposed Improvement	Reliability/ Security	Level of Service	Water Quality Impact	Weighted Score	Budgetary Cost
Well 10/11	S	2	Brush and vegetation observed growing on roof gutters	Clean roof gutters	4	1	1	2	\$1,000
Well 10/11	M	4	Propane tank is rusted	Propane tank should be cleaned/repainted or replaced by utility (costs for coordination)	5	1	1	2	\$500
Well 10/11	PI	9	Tanks missing NFPA diamond labels	Provide NFPA diamonds on bulk and day tanks	4	1	1	2	\$500
<b>Total</b>									<b>\$489,000</b>



# 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



## 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)

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Old Oaken Bucket (1930's)

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)

James Way (1949)

First Parish Road – West end (1949) 6"

Jay Road (1939)

Fay (1938)

Irving (1939)

AC = 316370 = 60 miles

CI = 70693 = approx. 5 miles

CIC&L = 28271

COP = 2834

DIP = 122419 approx. 30 miles

GP = 9227

PL = 336

PVC = 89809 approx. 17 miles

UNK = 21500 approx. 3 miles





36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0127905
Invoice Date	03/10/2021
Ship Date	03/10/2021
Order Date	03/10/2021
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 MA		Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		322790		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2EIPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R900i Cubic Feet	180	180		\$234.61	\$42,229.80
N6MTEIF	1-1/2" Neptune MACH 10 Meter E-Coder R900i Cubic Feet Flanged End 13" Lay Length	2	2		\$777.30	\$1,554.60
KIT-FK1.5B-NL	1-1/2" Elliptical Flange Kit With 1 No Lead Flange, NSF61 Gasket, 2 Bolts & Nuts (Kit)	4	4		\$67.36	\$269.44
FHC38-23-2.5-NL	3/4" Meter Swivel Nut x 3/4" Male Iron Pipe Thread Ford Meter Coupling 2-1/2" Standard Length No Lead	50	50		\$11.53	\$576.50
FHIL38-23-NL	3/4" Meter Swivel Nut x 3/4" Male Iron Pipe Thread Ford Angle Meter Coupling No Lead	50	50		\$16.95	\$847.50
NPWALLMOUNT	Neptune Wall Mount Touchpad Receptacle For ProRead & ProCoder Meters	25	25		\$0.00	\$0.00
CREDBGONE-6	Red B Gone Rust Remover 6 oz. Packet 48/Case	288	288		\$4.80	\$1,382.40
	[Jhrons] - 3/10/2021 12:08:59 PM, meter serial numbers					
	full pallet of 5/8 - 10861672 to 10861815					
	6 boxes of 5/8 - 10472125 to 10472160					
	1-1/2" meters - 61173356 & 61173557					
	02618573					
Order Taken By:	Ryan Hourihan					
		Subtotal			\$46,860.24	
		Other Charges			\$0.00	
		Tax			\$0.00	
		<b>TOTAL DUE</b>			<b>\$46,860.24</b>	
Remit to:						
<b>Ti-SALES, Inc.</b>						
<b>36 Hudson Road</b>						
<b>Sudbury, MA 01776-2039</b>						

Invoice



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/22/21

Project Number:	2024-450-01
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 [ ]	Resubmission [ x ]
	Multiyear [ ]	Phase - Final	

**Description:**

The 1.0 Million gallon Mann Lot tank was built in 1938 and has served the town well for many years. The protective coating has been compromised in 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 Town's 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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$250,000		\$250,000				<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	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$250,000	\$0	\$250,000	\$0	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$250,000	\$0	\$250,000	\$0	\$0	\$0

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/22/21

Project Number:	2024-450-02
Project Title:	Mann Lot Booster Station Upgrades
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:**

Replace existing roof and HVAC system.

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

Routine maintenance to prevent leaks and keep station dry and free from mold and water issues.

**Discuss Operating Budget Impact:**

None.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$150,000		\$150,000			
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$150,000</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>\$150,000</b>	<b>\$0</b>	<b>\$150,000</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: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/22/21

Project Number:	2024-450-03
Project Title:	Replace Truck #39 2009 Chevy Silverado Pick-up
Category:	Equipment
Department: WATER	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:      New          Recurring         Resubmission

                         Multiyear         Phase - Final

**Description:**

This truck has needed service more than any other vehicle in our fleet. This has placed a significant burden on our annual budget. I recommend replacing this diesel truck with 2500 4x4 gas Pick Up with Plow for snow removal. 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 over 14 years.

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$63,000		\$63,000				<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$63,000</b>	<b>\$0</b>	<b>\$63,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant/CPA Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPA Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Net of CPA and Grants</b>	<b>\$63,000</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Operating Budget Impact**

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



2024-450-03

JL1	Electronic Trailer Brake Controller	\$ 266.75
TGK	Factory Special Paint (Indigo Blue)	\$ 412.25
5H1	2 Additional Keys	\$ 43.65
Customer Requested Option:		
ZLQ	Work Truck Convenience Package	\$ 1,358.00
Additional Contract Options:		
1552	Whelen Mini Liberty LED Lightbar	\$ 1,225.00
288	4 Whelen Vertex Corner Flashers	\$ 800.00
1899	Spray-in Type Bedliner for Pick up	\$ 650.00
1913	Slide-in Combination Pintel/Ball Hitch	\$ 150.00
5066	Fisher 8' HD2 Snow Plow System	\$ 5,950.00
	<b>TOTAL DELIVERED PRICE</b>	<b>\$43,235.20</b>

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 \$101,000



2025-450-01

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sanipson  
 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>

CJ Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Baoth 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	\$ 91,600	\$ 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>\$ 256,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>

Z-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	720	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricket Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
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	740	\$ 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>8,620</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 EASEMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	385	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,213	\$ 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**



2028-450-09

# Ti SALES

36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4616  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	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
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						
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: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2025-450-01
Project Title:	Repair Mann Lot Standpipe - Construction
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:**

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 Town's 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				
		FY2023	FY2024	FY2025	FY2026	FY2027
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>\$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

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					



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/22/21

Project Number:	2025-450-02
Project Title:	Walnut Tree Booster Station Upgrades
Category:	Construction
Department: WATER	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

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

**Description:**

The HVAC system at this location is undersized and needs replacement. Electrical and mechanical upgrades are also needed. Flow meter is no longer functioning and needs to be replaced. This station will need to be offline for most of these repairs.

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

An improved HVAC system will prevent corrosion of all metal components inside the building. Replacing the flow meter will give accurate water use of the neighborhood and allow us to compare monthly usage from residents to monthly use from the pump station. Any discrepancy in the data would indicate a leak and require follow up with leak detection.

**Discuss Operating Budget Impact:**

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$107,000			\$107,000		
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$107,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$107,000</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input type="checkbox"/>	Tax Levy
<input checked="" type="checkbox"/>	Debt
<input checked="" type="checkbox"/>	Enterprise Retained Earnings
<input checked="" type="checkbox"/>	Capital Stabilization
<input type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$107,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$107,000</b>	<b>\$0</b>	<b>\$0</b>

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

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



2022 450 03

**Maier Services, Inc.**

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

**Proposal**  
 MS-3448

<p>3/14/2018</p> <p>Sean Anderson                  Scituate DPW Water Division                  600 Chief Justice Cushing Hwy.                  Scituate, MA 02066-                  sanderson@scituatema.gov                  Phone - (781) 545-8735                  Fax - (781) 545-8643</p>	<p>Project: RE: Well 19 Redevelopment                  Scituate, MA</p>
---	---

Item	Description	Estimated Quantity	Unit Cost	Tax able	Total
1	Mobilization, demobilization, remove and reinstall pump. Video inspect well before and after redevelopment.	1.00 is	\$ 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 is	\$ 400.00	\$	400.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	1.00 is	\$ 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 is	\$ 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, collets and bolts)	1.00	Is \$ 4,230.00	\$	4,230.00
1	(45') 6" column pipe with 1" stainless steel shafts and stainless steel drop in spiders,	1.00	Is \$ 4,075.00	\$	4,075.00
2	(1) bronze stuffing box bearing, (1) stainless steel head shaft, (1) stainless steel motor shaft	1.00	Is \$ 1,650.00	\$	1,650.00
				\$	9,955.00
3	30 HP US motor overhaul if needed	1.00	Is		To be determined
	freight is not included				
	<u>Please Note: Access must be provided</u>				
	Price includes Massachusetts Prevailing wage rates and certified payrolls.				
	Hoisting licenses for each operator will be provided.				
	All employees are OSHA 10 certified.				
	Insurance certificate including pollution liability will be provided				



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2025-450-04
Project Title:	Replace Truck 2008 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 [ ]      Resubmission [x]

                         Multiyear [ ]      Phase - Final

**Description:**

Replace 2008 Chevy Colorado Pick-up with a new 2500 4x4 gas Pick-up with plow for snow removal. 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. This truck has been in service for over 17 years and is well beyond its useful life.

**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
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$63,000			\$63,000			<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$63,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$63,000</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>\$63,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$63,000</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					



2024-450-03

JL1	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
	<b>TOTAL DELIVERED PRICE</b>	<b>\$43,239.20</b>

2021-450-01  
Requesting \$48,000

Thank you for your consideration of Liberty Chevrolet. If you have any questions concerning our proposal, please don't hesitate to contact me at (781) 287-7541.

Sincerely,

2023-450-05  
Requesting \$59,000

Kevin Nugent  
Fleet Sales Manager

2024-450-03

$59,000 \times 3.4\% =$   
\$ 61,006  
Requesting \$ 61,000





Town of Scituate, 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
Caillier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390	\$ 112,548	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>

CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>

2-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricket Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 122,000	\$ 142,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,920	\$ 120,000	\$ 139,920
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Pine Brook Lane	240	\$ 7,968	\$ 48,000	\$ 55,968
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>



Humarock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 193,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASEMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	225	\$ 6,789	\$ 38,218	\$ 45,008
OCEAN DRIVE	1709	\$ 51,604	\$ 290,487	\$ 342,091
RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>

**Grand Totals: 53,272 \$ 1,432,771 \$ 7,295,867 \$ 8,728,639**



30X 450-04

# Ti SALES

36 Hudson Road  
Sudbury, MA 01776-2039

800-225-4618  
978-443-2002  
Fax: 978-443-7600  
www.tisales.com

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
4 Old Oaken Bucket Rd.  
Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R900I Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						02509364
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: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2025-450-07		
Project Title:	Reservoir Expansion		
Category:	Engineering-Design		
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:**

In 2014 the DPW completed a study funded by the Department of Environmental Protection (DEP) to increase the height of the Reservoir spillway by 18 inches. Tetra Tech Engineering developed the 30% design and is preparing a proposal to finalize the design and pursue permitting. In May of 2017 the town received a grant and Tetra Tech developed the 60% design and initial permitting. The next step is to complete the final engineering, design, permitting and construction management followed by the physical construction.

This project would raise the reservoir approximately 18 to 24 inches. This equates to 35.45 million gallons or 28 days supply (winter usage) of drinking water.

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

Increasing the volume of the reservoir will provide the town with approximately 28 additional days of water supply, further protecting the availability of water for the health and safety needs of its residents.

Past modeling indicate that higher reservoir levels will improve the flows to the Brook and ensure they can be provided on a more consistent basis, enhancing our ability to meet Water Management Act (WMA) permit requirements.

If this project is not funded and we continue to endure dry summers we may be implementing stricter water bans more often to ensure we have an adequate supply of drinking water for domestic use and fire protection.

**Discuss Operating Budget Impact:**

Increased labor costs to operate the new fish ladder associated with this project.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$1,790,000			\$1,790,000			<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input checked="" type="checkbox"/> Debt
Construction	\$0						<input checked="" type="checkbox"/> Enterprise Retained Earnings
Equipment/Furnishings	\$0						<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
TOTAL	\$1,790,000	\$0	\$0	\$1,790,000	\$0	\$0	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
Net of CPA and Grants	\$1,790,000	\$0	\$0	\$1,790,000	\$0	\$0

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

Open Space

Recreation

Historical

Housing

**Operating Budget Impact**

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

# PROJECT COSTS

	<u>2017</u>	<u>2014</u>
Contractor Mob/Demob	\$ 111,000	\$ 61,000
Temporary Construction Facilities	\$ 31,000	\$ 28,000
Spillway Modifications	\$ 704,000	\$ 273,000
Fishway Modifications	\$ 239,000	\$ 188,000
Infrastructure Upgrades	<u>\$ 131,000</u>	<u>\$ 123,000</u>
Subtotal	\$1,216,000	\$ 673,000
Contingency	<u>\$ 122,000</u>	<u>\$ 67,000</u>
Subtotal	\$1,333,000	\$ 740,000
Design and Permitting	\$ 353,000	\$ 89,000
Construction and Administration	<u>\$ 104,000</u>	<u>\$ 37,000</u>
Total Project	\$1,795,000 1,790,000	\$ 867,000

7000-450-04









2024-4-30-02

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Collier Avenue (Already Done)				
Pegotty Beach Road (Was cleaned and lined)				
Oceanside Drive	3,390	\$ 112,548	\$ 678,000	\$ 790,548
<b>Totals:</b>	<b>3,390</b>	<b>\$ 112,548</b>	<b>\$ 678,000</b>	<b>\$ 790,548</b>
CI Pipe Abandonment/Service Transfer (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
Booth Hill Road	1,920	\$ 33,024	\$ 76,800	\$ 109,824
Gannett Road	7,300	\$ 125,560	\$ 292,000	\$ 417,560
Kent Street (Already Done)				
Mann Lot Road	2,290	\$ 39,388	\$ 91,600	\$ 130,988
Ocean Avenue	2,250	\$ 38,700	\$ 90,000	\$ 128,700
Turner Road	3,500	\$ 60,200	\$ 140,000	\$ 200,200
<b>Totals:</b>	<b>17,260</b>	<b>\$ 296,872</b>	<b>\$ 690,400</b>	<b>\$ 987,272</b>
2-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
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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
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Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
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<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,722,000</b>	<b>\$ 2,007,852</b>
Humarock Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
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JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
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LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
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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
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RIVER STREET	525	\$ 15,841	\$ 89,172	\$ 105,013
RIVER STREET	1166	\$ 35,204	\$ 198,166	\$ 233,370
PALFREY STREET	252	\$ 7,615	\$ 42,868	\$ 50,483
POSTSCRIPT LANE	501	\$ 15,123	\$ 85,130	\$ 100,254
MANCHESTER STREET	274	\$ 8,280	\$ 46,610	\$ 54,890
JULIAN STREET	426	\$ 12,854	\$ 72,356	\$ 85,210
RIVER ROAD	50	\$ 1,524	\$ 8,580	\$ 10,105
RIVER STREET	1715	\$ 51,786	\$ 291,509	\$ 343,295
TEMPLE WAY EASEMENT	333	\$ 10,067	\$ 56,671	\$ 66,738
MARSHFIELD AVENUE	275	\$ 8,313	\$ 46,797	\$ 55,110
<b>Totals:</b>	<b>24,012</b>	<b>\$ 737,499</b>	<b>\$ 4,205,467</b>	<b>\$ 4,942,967</b>
<b>Grand Totals:</b>	<b>53,272</b>	<b>\$ 1,432,771</b>	<b>\$ 7,295,867</b>	<b>\$ 8,728,639</b>



**TI SALES**  
 36 Hudson Road  
 Sudbury, MA 01776-2039

800-225-4816  
 978-443-2002  
 Fax: 978-443-7600  
 www.tisales.com

2025 450-02

Invoice	INV0109415
Invoice Date	08/29/2019
Ship Date	08/29/2019
Order Date	08/29/2019
Customer PO	NORA

**Sold To:** Scituate Water Division  
 4 Old Oaken Bucket Rd.  
 Scituate MA 02066-4431

**Ship To:** Scituate Water Division  
 4 Old Oaken Bucket Rd.  
 Scituate MA 02066-4431

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
SCIT4	Ordered by Nora			Joe Coulter		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		299685		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
N2EIFPIT	5/8" X 3/4" Neptune T-10 Meter Integrated E-Coder R9001 Cubic Feet  35 143PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan		02509364		Subtotal		\$8,445.96
Remit to: <b>TI-SALES, Inc.</b> 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: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2027-450-01
Project Title:	Replace Truck #104 6 Wheel Dump Truck
Category:	Equipment
Department: WATER	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

Project is:    New        Recurring        Resubmission   

                  Multiyear        Phase - Final

**Description:**

Replace Truck #104 - 6 wheel dump truck with new 6 wheel dump truck and plow. This truck has place a heavy burden on the annual budget due to necessary frequent repairs. This truck spends the winter months down at highway with a sander unit on it which causes wear and tear and is not usable by the Water Department during this time period.

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

A new truck will require fewer costly repairs and serve the Town well for many years.

**Discuss Operating Budget Impact:**

Initially fewer maintenance costs.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$150,000					\$150,000
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000</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>\$0</b>	<b>\$0</b>	<b>\$150,000</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					



2023 460-03

**Maier Services, Inc.**

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

**Proposal**  
 MS-3448

<p>3/14/2018</p> <p>Sean Anderson                  Scituate DPW Water Division                  600 Chief Justice Cushing Hwy.                  Scituate, MA 02066-                  sanderson@scituatema.gov                  Phone - (781) 545-8735                  Fax - (781) 545-8643</p>	<p>Project: RE: Well 19 Redevelopment                  Scituate, MA</p>
---	---

Item	Description	Estimated Quantity	Unit Cost	Tax able	Total
1	Mobilization, demobilization, remove and reinstall pump. Video inspect well before and after redevelopment.	1.00 ls	\$ 7,500.00		\$ 7,500.00
2	Steam clean, disassemble and inspect pump. The pump will be brought to our office steam cleaned, disassembled and inspected. After inspection we will provide a report detailing the condition of the pump and a cost estimate for any needed repairs.	1.00 ls	\$ 400.00		\$ 400.00
3	Set and remove surge equipment. Provide and maintain our own generator to power the redevelopment equipment.	1.00 ls	\$ 3,000.00		\$ 3,000.00
4	Machine time to clean and redevelop the well. More or less than the estimated time will be billed at the hourly rate.	30.00 hr	\$ 150.00		\$ 4,500.00
5	Muriatic acid	110.00 gal	\$ 5.00		\$ 550.00
6	Chlorine	1.00 ls	\$ 30.00		\$ 30.00
					\$ 15,980.00
	<u>Optional</u>				
7	Pantonite PM 77 - double strength	55.00 gal	\$ 38.00		\$ 2,090.00
	<u>Please Note: Access must be provided</u>				
	Price includes Massachusetts Prevailing wage rates and certified payrolls.				
	Hoisting licenses for each operator will be provided.				
	All employees are OSHA 10 certified.				
	Insurance certificate including pollution liability will be provided				

2023 450-03

**Maher Services, Inc.**

71 Concord Street  
 North Reading, MA 01864  
 Tel: 978-664-WELL (9355) Fax: 978-664-9356

Proposal  
 MS-3448A

5/8/2018  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 Pump Repairs  Scituate, MA
---	---

Item	Description	Estimated Quantity	Unit	Unit Cost	Tax able	Total
1	Goulds 10 WALC 3 stage, 300 GPM @ 110' TDH (stainless steel impellers, collets and bolts)	1.00	Is	\$ 4,230.00		\$ 4,230.00
1	(45') 6" column pipe with 1" stainless steel shafts and stainless steel drop in spiders,	1.00	Is	\$ 4,075.00		\$ 4,075.00
2	(1) bronze stuffing box bearing, (1) stainless steel head shaft, (1) stainless steel motor shaft	1.00	Is	\$ 1,650.00		\$ 1,650.00
						\$ 9,955.00
3	30 HP US motor overhaul if needed	1.00	Is			To be determined
	freight is not included					
	<u>Please Note: Access must be provided</u>					
	Price includes Massachusetts Prevailing wage rates and certified payrolls.					
	Hoisting licenses for each operator will be provided.					
	All employees are OSHA 10 certified.					
	Insurance certificate including pollution liability will be provided					





**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2027-450-03
Project Title:	Well 18B Upgrades
Category:	Construction
Department: WATER	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         Multiyear [ ]      Phase - Final

**Description:**

The 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. A recently installed chlorine analyzer has required additional alarms to be wired. The existing alarm functions in case of an emergency are all grouped together and call out as one general alarm. The on call operator has no idea what is wrong until responding to the station. The old outdated electrical panels need replacing with new technology that will safely monitor the stations and properly communicate any alarms that occur.

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

Upgrades to the station 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. Properly functioning alarms are critical to the safety of the water supply. If not funded my biggest concern is the ability of the alarms to continue to function properly.

**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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$850,000					\$850,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$850,000</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>\$850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$850,000</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: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2027-450-04		
Project Title:	Replace Water Mains - Phase 10		
Category:	Construction - Water		
Department: WATER	Contact:	Sean Anderson, Kevin Cafferty	

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

Project is:	New <input type="checkbox"/>	Recurring <input checked="" type="checkbox"/>	Resubmission <input type="checkbox"/>
	Multiyear <input type="checkbox"/>	Phase - 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				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$2,600,000					\$2,600,000
Equipment/Furnishings	\$0					
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$2,600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,600,000</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 type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$2,600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,600,000</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

2023-450-02

Town of Scituate, MA  
 Capital Improvement Plan - Main Replacement Program for 2018/2019 (Phases 3C & 4)  
 Weston & Sampson  
 August 16, 2018

Cast Iron Pipe Replacement (Phase 3C)	Footage	Engineering & Contingency	Construction	TOTAL
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>

Z-Inch Galvanized Iron Replacement (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Bonnie Briar Circle	150	\$ 4,980	\$ 30,000	\$ 34,980
Bradford Avenue	1,050	\$ 34,860	\$ 210,000	\$ 244,860
Brown Road	400	\$ 13,280	\$ 80,000	\$ 93,280
Cedarwood Road	220	\$ 7,304	\$ 44,000	\$ 51,304
Chittenden Road	1,000	\$ 33,200	\$ 200,000	\$ 233,200
Claymore Terrace	260	\$ 8,632	\$ 52,000	\$ 60,632
Cricket Circle	490	\$ 16,268	\$ 98,000	\$ 114,268
Drew Place	410	\$ 13,612	\$ 82,000	\$ 95,612
Foam Road	610	\$ 20,252	\$ 112,000	\$ 142,252
Greenfield Terrace	750	\$ 24,900	\$ 150,000	\$ 174,900
Hornbeam Road	600	\$ 19,820	\$ 120,000	\$ 139,820
Jericho Lane	460	\$ 15,272	\$ 92,000	\$ 107,272
Lantern Lane	250	\$ 8,300	\$ 50,000	\$ 58,300
Phine Brook Lane	240	\$ 7,868	\$ 48,000	\$ 55,868
Rainbow Court	300	\$ 9,960	\$ 60,000	\$ 69,960
Sassamon Road	340	\$ 11,288	\$ 68,000	\$ 79,288
Studley Royal Road	330	\$ 10,956	\$ 66,000	\$ 76,956
Westgate Lane	180	\$ 5,976	\$ 36,000	\$ 41,976
Wood Avenue	290	\$ 9,628	\$ 58,000	\$ 67,628
Youngs Lane	280	\$ 9,296	\$ 56,000	\$ 65,296
<b>Totals:</b>	<b>8,610</b>	<b>\$ 285,852</b>	<b>\$ 1,721,000</b>	<b>\$ 2,007,852</b>

Humarack Pipe Replacement with 8" PVC (Phase 4)	Footage	Engineering & Contingency	Construction	TOTAL
Vaults and PRV's (2)		\$ 12,350	\$ 123,500	\$ 135,850
PALFREY STREET	289	\$ 8,717	\$ 49,067	\$ 57,784
BRUNSWICK STREET	428	\$ 12,934	\$ 72,810	\$ 85,744
RIVER STREET	164	\$ 4,961	\$ 27,924	\$ 32,885
CENTRAL AVENUE	6356	\$ 191,956	\$ 1,080,548	\$ 1,272,505
RIVER STREET	832	\$ 25,121	\$ 141,410	\$ 166,531
JULIAN STREET	179	\$ 5,410	\$ 30,452	\$ 35,862
MARSHFIELD AVENUE EASEMENT	340	\$ 10,275	\$ 57,838	\$ 68,113
LOWELL STREET EASEMENT	322	\$ 9,738	\$ 54,817	\$ 64,555
OLD MOUTH ROAD	505	\$ 15,244	\$ 85,809	\$ 101,052
OLD MOUTH ROAD	579	\$ 17,481	\$ 98,401	\$ 115,882
CLIFF ROAD SOUTH	4339	\$ 131,034	\$ 737,611	\$ 868,645
CENTRAL AVENUE	623	\$ 18,801	\$ 105,832	\$ 124,633
DARTMOUTH STREET EASEMENT	268	\$ 8,094	\$ 45,560	\$ 53,653
CENTRAL AVENUE	670	\$ 20,247	\$ 113,974	\$ 134,221
CENTRAL AVENUE	331	\$ 10,004	\$ 56,315	\$ 66,320
MANCHESTER STREET EASEMENT	335	\$ 10,132	\$ 57,034	\$ 67,166
ALDEN AVENUE	725	\$ 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	\$ 15,173	\$ 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	323	\$ 10,057	\$ 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 \$ 7,285,867 \$ 8,728,639**



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**Capital Improvement Program: FY2023 - FY2027**

Date submitted: 9/24/21

Date of Last Edit: 9/23/21

Project Number:	2027-450-05
Project Title:	10 Yr. Meter replacement cycle program
Category:	Equipment - Water
Department: WATER	Contact: Sean Anderson, Kevin Cafferty

**Department Priority:**

Urgent/Legally Required

Maintain Service

Enhancement

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

                         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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
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	\$260,000					\$260,000	<input checked="" type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$260,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$260,000</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>\$260,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$260,000</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 R9001 Cubic Feet  35 183PP	36	36		\$234.61	\$8,445.96
Order Taken By: Ryan Hourihan						
				Subtotal		\$8,445.96
				Other Charges		\$0.00
				Tax		\$0.00
				<b>TOTAL DUE</b>		<b>\$8,445.96</b>

Remit to:  
**Ti-SALES, Inc.**  
36 Hudson Road  
Sudbury, MA 01776-2039

Invoice

SEP 03 2019

Town of Scituate  
 Capital Plan - FY 2023-2027  
 Sorted by Department, Year & Project Number

10/23/2021; 10:14 AM

Score	Project	Project #	Department	Year	Fund	Request	Comment
36	Pump Out Station Jericho Boat Ramp	2023-298-01	Waterways	2023	WW	\$ 72,000	
61	Maintenance and Improvement Dredging	2023-298-02	Waterways	2023	WW	\$ 250,000	
40	Replacement of 2004 HM-2 Truck*	2023-298-03	Waterways	2023	WW	\$ 35,000	
53	Expansion of SMP, Eng & Design of Addtl Floats & Piles	2024-298-01	Waterways	2024	WW	\$ 300,000	
69	Harbormaster Office ADA Renovations	2025-298-01	Waterways	2025	WW	\$ 100,000	
42	Replacement of 2021 Harbormaster Truck	2026-298-01	Waterways	2026	WW	\$ 45,000	
49	Repower Unit 2	2026-298-02	Waterways	2026	WW	\$ 29,215	
<b>Total FY2023-2027</b>						<b>\$ 831,215</b>	

\*Appearing for the first time on the plan

## Open Capital Projects

### Debt Exclusion Projects & October STM Funding Sources Excluded

Org	Object	Project	Description	Remaining Funds
36000580	589000	07417	MARINA EXPANSION	2,800.04
36000580	589000	15A3N	RIVER & HARBOR DREDGING	54,101.39
36000580	589000	183UU	Unit Vessel #3 Replacement	1,465.00
66298912	589000	12A4V	Dredging - South River	30,000.00
66298913	589000	13A3Q	Repairs Harbormaster Building	14,450.00
66298915	589000	15A3O	Replace HVAC System HM Bldg	716.26
66298919	589000	19A3X	COMPREHENSIVE DREDGE PERMIT	40,000.00
66298919	589000	19S33	SECURITY UPGRADES	442.76
66298919	589000	19SN2	TOWN MARINA PILINGS	83,180.94
66298920	589000	203LL	DOCKS & GANGWAYS TOWN SHR	50,000.00
66298920	589000	203MM	MOORING FIELD REGRID STUDY	55,000.00
66298920	589000	203KK	REPLACE 2004 HARBORMTR TRUCK	1,188.75
66298921	589000	213AA	CPM DOCK REPLACEMENT	200,000.00
66298921	589000	213BB	RE-POWER UNIT 1	47,000.00

Orgs beginning with '1' or '6' denote funding from available funds. Orgs beginning with '3' denote funding from borrowing. The first two digits of the project are the year of town meeting authorization.





**LA MANAGEMENT INC**

(DBA)  
 Marine Boatbuilders Co  
 PO Box 7826  
 Warwick, RI 02887

**Estimate**

Date	Estimate #
9/23/2019	102320181

Name / Address
Town of Scituate Stephen Moon 100 Cole Parkway Scituate, MA 02066

			Project
Description	Qty	Rate	Total
MBB Pump Float 750gal 20X13.6. -Fiberglass barge -750gal holding tank -Rubrail -Non Skid -Edson 120ELB Pump -Suction Hoses/Components -Solar Skid and Panels -Batters/Switches Delivery: Oversized Load	1	70,000.00	70,000.00
	1	2,000.00	2,000.00
Note: The standard base of the float is 26X13.6. If you wanted the standard size base it would be a savings of \$5,500	1	0.00	0.00
Thank You! Call Rick Jr with any questions at 401-935-1186		<b>Total</b>	<b>\$72,000.00</b>

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: FY2023 - FY2027**

Date submitted: 9-1-21

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

Project Number:	2023-298-03
Project Title:	REPLACE TRUCK HM-2
Category:	Equipment
Department: Harbormaster	Contact: Stephen Mone

**Department Priority:**

- Urgent/Legally Required
- Maintain Service
- Enhancement

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

**Description:**

The request is for a replacement of the 2004 Harbormaster work truck with 170,000+ miles, the truck is used on a regular basis by the Harbormaster Department, assistants and maintenance staff to go between the different facilities, Maritime Center, Town Pier, all of the boat ramps, that the Harbormaster's Department has been charged with maintaining, the truck that is in service today is a 2004 GMC and is getting costly to maintain. Most vehicles have a six-day year life.

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

The vehicle would have lower operating and maintenance and more reliable.

**Discuss Operating Budget Impact:**

The operating cost and maintenance cost associated with an older vehicle will be much greater. The vehicle could be traded in to help lower the purchase cost.

**Recommended Financing**

Funding Category	Five-Year Total	Estimated Project Costs by Fiscal Year				
		FY2023	FY2024	FY2025	FY2026	FY2027
Study/Design	\$0					
Land Acquisition	\$0					
Construction	\$0					
Equipment/Furnishings	\$35,000	\$35,000				
Contingency	\$0					
Other	\$0					
<b>TOTAL</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Funding Source(s) Check all that apply	
<input type="checkbox"/>	Tax Levy
<input type="checkbox"/>	Debt
<input checked="" type="checkbox"/>	Enterprise Retained Earnings
<input type="checkbox"/>	Capital Stabilization
<input type="checkbox"/>	Free Cash
<input type="checkbox"/>	Revolving Fund
<input type="checkbox"/>	CPA
<input type="checkbox"/>	Grant(s) or Other

Grant Amount Requested	\$0					
CPA Amount Requested	\$0					
<b>Net of CPA and Grants</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

CPA Purpose(s) Check all that apply	
<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: FY2023 - FY2027**

Date submitted: 10-26-17

Date of Last Edit: 9-12-19

Project Number:	2025-298-01
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					Funding Source(s) Check all that apply
		FY2023	FY2024	FY2025	FY2026	FY2027	
Study/Design	\$100,000			\$100,000			<input type="checkbox"/> Tax Levy
Land Acquisition	\$0						<input type="checkbox"/> Debt
Construction	\$0						<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>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<input type="checkbox"/> CPA
							<input checked="" type="checkbox"/> Grant(s) or Other

Grant Amount Requested		CPA Purpose(s) Check all that apply				
Grant Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPA Amount Requested	\$0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Net of CPA and Grants</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>

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



**TOWN OF SCITUATE  
CAPITAL PROJECT SUBMISSION**

**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        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					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	\$45,000					\$45,000	<input type="checkbox"/> Capital Stabilization
Contingency	\$0						<input type="checkbox"/> Free Cash
Other	\$0						<input type="checkbox"/> Revolving Fund
<b>TOTAL</b>	<b>\$45,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,000</b>	<input type="checkbox"/> CPA
							<input type="checkbox"/> Grant(s) or Other

Grant Amount Requested	\$0					
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>
<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







# MONAHAN'S MARINE INC.

South Shore Boating Headquarters

396 Washington St. (Rt. 53)

Weymouth, MA 02188

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

Page	1
Date	09-01-21
Time	10:34:40

### SCITUATE HARBORMASTER

100 COLE PARKWAY

SCITUATE, MA 02066

Home: 781-545-2130

Work: 781-545-2130

## Quote Sheet

Deal Number	2010090832
Customer Number	7815452130
Invoice Number	0
Salesclerk	WHE
Delivery Date	

Customer email : smone@scituatema.gov

OUTBOARD    A - New -2022 YAMAHA MOTOR CO F200XCA DE    Stock# DOB3175    20,605.00  
 Vin# NON STOCK    INLINE 4 CYL DEC

	LABOR		2,650.00
1 Y	68F-45978-20-00	PROP 14 1/4X18R RELIANCE	646.50
1 Y	6X9-48205-00-00	6X9482050100	1,169.75
1 Y	6X9-762B0-42-00	EKS KIT (SINGLE/MAIN ST)	571.95
1 Y	6X6-0E83R-21-00	SGL DEC O/B 2RNDGAUGE CM	764.95
1 Y	6X6-8258A-11-00	MAIN ENG HARNESS, 7M	279.50
2 Y	6Y8-82521-31-00	6FT PIGTAIL BUS	128.10
	MISC RIGGING COMPONENTS		400.00
	SEASTAR TILT HELM STEERING SYS		2,000.00
	TOTAL QUOTE		29,215.75

Wallace Software Solutions (401) 438-3030 • www.wallace1.com

www.monahansmarine.com

Total Quote	29,215.75
Total Deposits	
Total Trades	
Total Payoff	
Total Taxes	

Authorized Signature

Date

BALANCE DUE

\$29,215.75



• SALES    • SERVICE    • PARTS & ACCESSORIES