



**TOWNSEND WATER DEPARTMENT**  
540 Main Street West Townsend, Massachusetts 01474

Michael MacEachern, Chairman  
Paul L. Rafuse,  
Water Superintendent

Nathan Mattila, Vice-Chairman

Todd Melanson, Clerk  
(978) 597-2212  
Email: [water@townsend.ma.us](mailto:water@townsend.ma.us)

**WATER COMMISSIONERS MEETING MINUTES**

**May 6, 2019 – 5:30 P.M.**

**Water Department 540 Main Street, Meeting Room**

**I. PRELIMINARIES:**

- 1.1 MM called the meeting to order at 5:35 P.M. at 540 Main Street.
- 1.2 Roll call showed **Members Present: Chairman, Michael MacEachern (MM), Vice Chair, Nathan Mattila (NM) and Clerk, Todd Melanson, (TM).**
- 1.3 MM announced that the meeting is being audio recorded.
- 1.4 Chairman's additions or deletions. None
- 1.5 Approve meeting minutes of Regular/Executive Session of April 2, 2019. **TM voted to approve the Meeting minutes (regular meeting) of April 2, 2019. NM seconded. Unanimous vote. The Board will approve Executive Meeting minutes at a future meeting.**
- 1.6 Review correspondence. None

**II. APPOINTMENTS:**

- 2.1

**III. MEETING BUSINESS:**

- 3.1 Welcome new Board member. The Board welcomed new member Todd Melanson.
- 3.2 Reorganize the Board. **(NM) made a motion to Board reorganized as follows: Chairman, Michael MacEachern - Vice Chair, Nathan Mattila and Clerk, Todd Melanson, (TM) seconded. Unanimous vote.**
- 3.3 Approve 1" service, 23 Proctor Road Michael & Mary McFarland, Acct#61596. RE: \$2,000.00 received. **NM motioned to approve a 1" service at 23 Proctor Road, Michael and Mary McFarland, Acct#61596. RE: receipt of \$2,000.00.**
- 3.4 Review Invoice and Approve 1" service, 65 Warren Road, Adam Woolcott, Acct#61675. Check #383 \$2,750.00 received. Paul reported that he had met with all parties and waived a future \$3,000.00 tapping fee for a 1 ½ inch line in lieu of the \$4,000.00 owed to him. The Board asked Paul to write an agreement to be signed at the next BOWC Meeting. **The Board agreed to waive the tapping fee. NM moved to approve the 1" service to 65 Warren Road. TM seconded. Unanimous vote.**
- 3.5 Customer requests Abatement for \$50.00 fine for failure to upgrade the meter. Customer called after fine was imposed. Meter was upgraded on 4/19/2019. **TM motioned to approve the abatement of \$50.00 fine. NM seconded. Unanimous vote.**
- 3.6 Discuss/Award bid for Meadow Rd. Main Replacement Project. Paul presented the bid list to the BOWC for review. Tabled until Paul can get some questions answered by Tighe & Bond for the BOWC.
- 3.7 Discuss/Award bid for Main Street Main Replacement Project. **TM made a motion to award the bid for the Main Street Main Replacement Project to Shepco in the amount of \$852,927.50. NM Seconded. Unanimous vote.**
- 3.8 Discuss system project upgrades in coordination with the Highway Department's proposed Town Pavement Management Program (PMP). The Board would like to have a joint meeting with Highway and the BOS to coordinate projects with upcoming Water Department projects and the Highway Department paving plan projects. The BOWC will wait to see if the Paving Project will be voted in with the upcoming Town vote.

- 3.9 Discuss scheduling a meeting with the Board of Selectmen to discuss several issues moving forward since the court ruling. The Board requests for Paul to write a letter to the BOS to schedule a joint meeting between Boards to discuss several ongoing issues.
- 3.10 Discuss the matter of the Superintendent continuing to take on call duty (Per request of Commissioner Mattila). Paul reported that he has stopped taking on call and Ryan and Kevin are currently alternating on call weeks.
- 3.11 Discuss prices for computer backup. Paul contacted five companies and received three responses. He will be having the vendors come through to give us a quote.

**IV. COMMISSIONERS UPDATES AND REPORT:**

4.1

**V. WATER SUPERINTENDENT'S UPDATES AND REPORTS:**

5.1 Meter Pit letter. Tabled

**VI. OFFICE ADMINISTRATOR'S UPDATES AND REPORTS:**

- 6.1 Schedule next BOWC meeting. The Board agreed to schedule the next BOWC meeting on June 13, 2019.
- 6.2 Review and sign Bills Payable Warrants.
- 6.3 Review and sign Schedule of Bills Receivable report.
- 6.4 Review Accounts Receivable report.

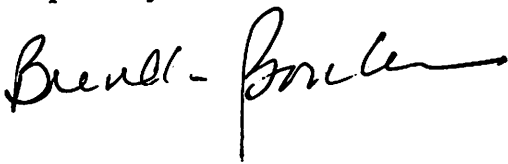
**ADJOURNMENT:**

**TM made a motion to review and sign warrants and reports out of session. NM Seconded. Unanimous vote.**

**TM moved to adjourn the BOWC meeting at 7:10 P.M. NM seconded. Unanimous vote.**

**MM adjourned the meeting @ 7:10 P.M.**

**Respectfully Submitted,**



**Brenda Boudreau,**

**Office Administrator**

**Townsend Water Department**



Office of the  
Townsend Water Department  
540 Main Street  
West Townsend, MA 01474  
Tel: 978-597-2212  
Fax: 978-597-5611

Application No.

2019-7.

Account No.

61596

Date

4/17/2019.

### APPLICATION FOR WATER SERVICE

Name of Property Owner:

Michael + Ruth McFarland

Service Address:

23 Proctor Rd

Townsend

Tel No.:

978 597 5129

Cell No.

978 877 8922 (Ruth)

Billing Address:

RAM. Ruthie@gmail.com

(If different from service address):

Units (Check all that apply):

☒ Single Family (If Professional Bldg.) No. of Businesses \_\_\_\_\_  
☐ Multi Family (Apartment Building) No. Apartments \_\_\_\_\_  
☐ Hotel/Motel No. Rooms: \_\_\_\_\_

Type of Use (Check One):

☒ Residential ☐ Industrial  
☐ Commercial/Business ☐ Municipal  
☐ Agricultural

Is a sprinkler system required for fire protection? ☐ Yes ☒ No

If yes a proposed design plan of the system must be submitted including required flows, required pipe size, and size and backflow prevention device.

Is a flow test/s required? ☐ Yes ☒ No

If yes the owner will be billed separately at the current rate per flow test.

Is there an existing or proposed automatic lawn irrigation system? ☐ Yes ☒ No On separate well

Has a sketch or plot plan been provided showing the location of the septic system, automatic lawn irrigation system and any known or proposed additions to the existing building? ☐ Yes ☐ No \*\*\*\*\*Plot Plan Requested

I, the Owner understand this form is to be completed and all Fees, charges, and required documentation must be received before water service will be turned on. I also understand that I have from April 1st to November 1st of the same calendar year of the application date to complete the installation or this application shall be null and void and the Connection/System Development charge forfeited. In addition, I acknowledge receipt of the Townsend Water Department's current Rules and Regulations ✓em

Signature of Owner/Applicant

Date

4/16/19

BOARD OF WATER COMMISSIONERS

Chairman

John McFarland  
Clerk

Vice Chairman

[Signature]

Date Signed by Board of Water Commissioners



Office of the  
Townsend Water Department

P.O. Box 17  
Townsend, MA 01469-0017  
Tel: 978-597-2212  
Fax: 978-597-5611

Application No.

2019-5

Account No.

~~121719~~ 61675

Date Issued

11/29/18

3.4

APPLICATION FOR WATER SERVICE

Name of Property Owner:

Adam Woolacott

Service Address:

65 Warren Rd

Townsend MA 01469

Tel No.:

978-761-2264

Cell No.

Billing Address (If different from service address):

Units (Check all that apply):

☒ Single Family (If Professional Bldg.) No. of Businesses \_\_\_\_\_  
☐ Multi Family (Apartment Building) No. Apartments \_\_\_\_\_  
☐ Hotel/Motel No. Rooms: \_\_\_\_\_

Fixed  
2750  
# 383

Type of Use (Check One):

☒ Residential ☐ Industrial  
☐ Commercial/Business ☐ Municipal  
☐ Agricultural

Is a sprinkler system required for fire protection? ☐ Yes ☒ No

If yes a proposed design plan of the system must be submitted including required flows, required pipe size, and size and backflow prevention device.

Is a flow test/s required? ☐ Yes ☒ No

If yes the owner will be billed separately at the current rate per flow test.

Is there an existing or proposed automatic lawn irrigation system? ☐ Yes ☒ No

Has a sketch or plot plan been provided showing the location of the septic system, automatic lawn irrigation system and any known or proposed additions to the existing building? ☐ Yes ☒ No

I, the Owner understand this form is to be completed and all Fees, charges, and required documentation must be received before water service will be turned on. I also understand that I have from April 1st to November 1st of the same calendar year of the application date to complete the installation or this application shall be null and void and the Connection/System Development charge forfeited.

Signature of Owner/Applicant

11-26-2018  
Date

BOARD OF WATER COMMISSIONERS

Chairman

Clerk

Vice Chairman

Date Signed by Board of Water Commissioners

BINC 5/4/19 3.5  
50 - fine



**TOWN OF TOWNSEND  
BOARD OF WATER COMMISSIONERS  
APPLICATION TO ABATE OR ADJUST CHARGES**

Name: A Boorazian Account # 61352

Address: 15 Sumac Drive

Phone # \_\_\_\_\_ Email Address \_\_\_\_\_

Billing date 3/22/19

AMOUNT: 50.00 ABATEMENT ☒ ADJUSTMENT ☐ (check one)

REQUESTED BY: CUSTOMER ☒ OFFICE ☐ OTHER ☐ - if other please explain below:

Reasons: (please attached supporting documentation if applicable)

Customer had their mco on 4/19/2019. Request  
Abating \$50 meter fine

APPROVED ☒ DENIED ☐ (check one)

DATE: 5-6-19

TOWNSEND BOARD OF WATER COMMISSIONERS

\_\_\_\_\_  
*[Signature]*

\_\_\_\_\_  
*[Signature]*

50.00 Late.  
# 4231

T-0354-007  
May 6, 2019

Paul Rafuse  
Townsend Water Department  
540 Main Street  
Townsend, MA 01474

Re: **Meadow Road Water Main Replacement  
Recommendation to Award**

Dear Mr. Rafuse:

On April 18, 2019, the Townsend Water Department opened four bids for the Meadow Road Water Main Replacement. The bidders, their respective total base bid prices and total add alternate bid prices are as follows:

<b>Contractor</b>	<b>Base Bid</b>	<b>Add Alt. No. 1</b>	<b>Total Bid Amount</b>
CHB Excavating	\$145,890.00	\$27,600.00	\$173,490.00
Shep Co Inc	\$133,573.00	\$48,600.00	\$182,173.00
Blue Diamond Equipment Co	\$174,125.00	\$36,000.00	\$210,125.00
Ventresca, Inc.	\$311,300.00	\$37,200.00	\$348,500.00

The attached bid tabulation presents a direct comparison of the bids in more detail.

As requested, we evaluated the bid information submitted by the apparent low bidder, as well as evaluated performance and financial reference information. The results of our evaluation are described below.

### **Bid Evaluation**

The bid submitted by the apparent low bidder, CHB Excavating, is in conformance with the requirements of the bidding documents and the required attachments were submitted.

### **Reference Evaluation for Performance**

Tighe & Bond reviewed the project reference lists provided with CHB Excavating's bid and contacted selected references by telephone to verify CHB Excavating's performance with respect to quality of workmanship, work schedules on prior projects, submittal and change order processing, cooperation, and overall satisfaction. Project references provided included mainly drainage work, two ductile iron water main projects, and one water service project. A detailed reference check memo is attached for additional information.

Reviews were mixed, with one water main reference providing a negative review indicating issues with adhering to the project schedule and completing necessary paperwork. There were also positive reviews for the drainage work, water service, and remaining water main project indicating that projects were completed in a timely manner and on schedule. CHB Excavating provided limited relevant project references (i.e. projects including fusion of HDPE pipe). However, CHB Excavating provided a reference letter from Vari-Tech, an HDPE pipe supplier, stating that the HDPE water main for the project will be pre-fused by Vari-Tech prior to installation.

**Reference Evaluation for Financial Standing**

In addition, Tighe & Bond evaluated the financial standing of Ohio Casualty Insurance Company, a sub-group of Liberty Mutual Insurance Company, the company that provided CHB Excavating's bid bond for this project. Ohio Casualty Insurance Company has an "A" (excellent) rating and a financial size category XV (\$2 billion or greater) with AM Best Company.

Based on Tighe & Bond's review of references, we find that CHB Excavating is the lowest responsible bidder for the Meadow Road Water Main Replacement Project. We recommend that the Townsend Water Department consider awarding the contract for the Meadow Road Water Main Replacement project to CHB Excavating, provided that the water main is factory-fused by Vari-tech, and contingent upon the following:

- Receipt of required Performance and Payment Bonds
- Receipt of required Certificates of Insurance

Upon authorization by the Townsend Water Department, we will issue a "Notice of Award" to CHB Excavating notifying them that they are the successful bidder and request that they submit the required bonds and certificates of insurance.

Please call us at 508-304-6358 with questions.

Very truly yours,

**TIGHE & BOND, INC.**



Lou Soracco, P.E.  
Senior Project Manager

Enclosures:

Reference Check Memo  
Bid Tabulation  
Notice of Award

J:\T\T0354 Townsend Water Department\005 - Main Street Water Main\Bidding\Award\Recommendation to Award.docx

**Reference Check Summary – CHB Excavating Company Inc.**

**TO:** Paul Rafuse (Town of Townsend)  
**FROM:** Louis Soracco (Tighe & Bond), Mary Prescott (Tighe & Bond)  
**COPY:** Thomas Mahanna (Tighe & Bond), Danielle Teixeira (Tighe & Bond)  
**DATE:** May 6, 2019

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The following memo summarizes responses from the contractor reference questionnaires and reference checks for CHB Excavating who is the apparent low bidder on the Meadow Road Water Main Replacement Project. The Work for this project includes replacement of approximately 1,000 feet of existing water main with 1,000 feet of HDPE water main. CHB Excavating submitted a list of completed projects with contact information. Contacts for project references included the following: Immaculate Power Sweeping, S&R Corporation, JnJ Sacca, Brian Sparrow, and US Pavement.

Immaculate Power Sweeping was not contacted as they perform street sweeping and pavement, which is not relevant to HDPE water main installations. S&R Corporation was contacted but the contact name provided is no longer an employee of the company.

On April 19, 2019, Tighe & Bond contacted CHB Excavating with a request to provide additional water main project references as only one water main reference was provided. CHB Excavating then provided contacts from the Town of Concord, MA and Boston Water & Sewer. Boston Water & Sewer was contacted on April 19, 2019, but has not yet responded to our reference request.

On April 22, 2019, Tighe & Bond requested additional references from CHB Excavating for projects that involved HDPE water main installation in the scope. No additional project references were provided by CHB Excavating. On April 23, 2019, a second request for HDPE pressurized water main project references was sent to CHB Excavating. The Contractor submitted a reference from Vari-Tech, an HDPE supplier, stating that the HDPE sections would be pre-fused by them prior to installation by CHB Excavating. This reference is also attached. Below is a summary of each reference that was contacted.

**JnJ Sacca, Arlington, MA – Water Main and Service Installations**

Pat and Jeff Sacca were contacted to discuss the water main and service project completed for JnJ Sacca in the summer of 2018. The work consisted of the installation of 6-, 8- and 12-inch ductile iron water main of unknown length and 1- to 4-inch water services of unknown quantity.

Pat and Jeff indicated that CHB Excavating satisfactorily completed all work within the established project schedule. Their superintendent was cooperative with the on-site Owner's Representative. They would recommend the Contractor for another project of similar scope.

**Brian Sparrow, Lexington, MA – Water Service Connections**

Brian Sparrow, of Sparrow Custom Builders, was contacted to discuss two (2) water service connections that CHB completed for Sparrow Custom Builders. Mr. Sparrow indicated that CHB Excavating satisfactorily completed all work and within the established project schedule. No additional cost claims were filed during the project. The Owner was the acting



superintendent for the project and was cooperative with the Owner's representative. They would recommend the Contractor for another project of similar scope.

### **U.S. Pavement – Manhole Installation and Drainage Pipe Installation**

Seth McNary, of U.S. Pavement, was contacted to discuss drainage work that CHB completed for U.S. Pavement. Mr. McNary indicated that CHB Excavating satisfactorily completed all work and within the established project schedule. No additional cost claims were filed during the project. The owner was the acting superintendent for the project and was cooperative with the Owner's representative. They would recommend the Contractor for another project of similar scope. Mr. McNary noted that CHB Excavating has completed numerous other drainage projects with U.S. Pavement.

### **Town of Concord, MA – Water Main and Service Installations**

Todd Manchusco, the Public Works Supervisor for the Town of Concord, MA, was contacted to discuss the water main and service project in Concord, MA. The work consisted of the installation of 8-inch ductile iron water main, polyethylene and copper water services, and hydrant installations.

Mr. Manchusco stated that the Town of Concord has had positive experiences with CHB Excavating and that the Owner was always on site during construction. He would recommend the Contractor for another project of similar scope. Mr. Manchusco noted that this project took place approximately 8 or more years ago. He also stated that CHB Excavating had completed more recent work in Sudbury, MA.

### **Sudbury Water District – Water Main Installations**

Vincent Roy, the Executive Director of the Sudbury Water District, was contacted to discuss the water main installation in Sudbury, MA in 2017-2018. The work consisted of the installation of 12-inch ductile iron water main installation.

Mr. Roy stated that CHB Excavating did not meet the original project deadline, did not have the proper equipment to complete the work, and requested additional funds that did not seem reasonable. However, Mr. Roy indicated that the Owner was the acting Superintendent and was always at the job site and the work completed was satisfactory.

**Summary of Bids Received**

**For:** Meadow Road Water Main Replacement  
**Date:** Thursday, April 19, 2019 at 2:00 PM  
**Owner:** Townsend Water Department  
**Location:** Townsend, MA  
**Engineer:** Tighe & Bond, Inc.

**Job No.:** 10354-007

**CHB Excavating**  
 197 Concord Rd.  
 Westford, MA 02189  
 Calvin Brando  
 P: (617) 719-1252  
 E: calvin@chbexcavating.com

**Shep Co Inc**  
 55 Main St  
 Townsend, MA 01469  
 Gary Shepherd  
 P: (978) 597-8907 x 20  
 E: sheppcoinc@aol.com

**Blue Diamond Equipment Co**  
 73 E. Badger Rd.  
 Foxborough, MA 02035  
 Frank Mahoney  
 P: (508) 543-3711  
 E: bluediamondco@comcast.net

**Ventresca, Inc.**  
 3 Thomas Circle  
 Stoneham, MA 02180  
 John A. Ventresca  
 P: (781) 438-0759  
 E: johnj@ventrescainc.com

**BASE BID**

Item No.	Description	Estimated Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization/Demobilization (5%)	1								
2	Excavation Below Normal Grade - Unsuitable Material	15								
3	Straw Wattles	2,000	\$8,000.00	\$8,000.00	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$14,000.00	\$14,000.00
4	Removal of Existing Hydrant	1	\$900.00	\$900.00	\$27.00	\$405.00	\$25.00	\$375.00	\$500.00	\$7,500.00
5	12-inch HDPE Pipe & Fittings	1,000	\$7.85	\$15,700.00	\$3.15	\$6,300.00	\$12.00	\$24,000.00	\$25.00	\$50,000.00
6	Temporary Bituminous Concrete Pavement Repair	730	\$2,500.00	\$2,500.00	\$3,823.00	\$3,823.00	\$1,500.00	\$1,500.00	\$15,000.00	\$15,000.00
			\$102.00	\$102,000.00	\$93.48	\$93,480.00	\$120.00	\$120,000.00	\$181.00	\$181,000.00
			\$23.00	\$16,790.00	\$13.50	\$29,565.00	\$25.00	\$18,250.00	\$60.00	\$43,800.00
	<b>Total Amount of Base Bid</b>			<b>\$145,890.00</b>		<b>\$133,573.00</b>		<b>\$174,125.00</b>		<b>\$311,300.00</b>

**ADD ALTERNATE NO. 1**

Item No.	Description	Estimated Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
7	Permanent Bituminous Concrete Pavement Repair - half width (2 inch)	1,200	\$23.00	\$27,600.00	\$23.00	\$48,600.00	\$30.00	\$36,000.00	\$31.00	\$37,200.00
	<b>Total Amount of Add Alternate No. 1</b>			<b>\$27,600.00</b>		<b>\$48,600.00</b>		<b>\$36,000.00</b>		<b>\$37,200.00</b>

**PROJECT SUMMARY**

	<b>Total Amount of Base Bid</b>			<b>\$145,890.00</b>		<b>\$133,573.00</b>		<b>\$174,125.00</b>		<b>\$311,300.00</b>
	<b>Total Amount of Add Alternate No. 1</b>			<b>\$27,600.00</b>		<b>\$48,600.00</b>		<b>\$36,000.00</b>		<b>\$37,200.00</b>
	<b>Total Amount of Base Bid + Add Alternate No. 1</b>			<b>\$173,490.00</b>		<b>\$182,173.00</b>		<b>\$210,125.00</b>		<b>\$348,500.00</b>

Note: Highlighted items indicate corrected values as there were math errors on the bid tabulations submitted.

# Notice of Award

Date:

Project: Meadow Road Water Main Replacement	
Owner: Town of Townsend Water Department	Owner's Contract No.:
Engineer: Tighe & Bond	Engineer's Project No.: T-0354-007
Bidder: CHB Excavating	
Bidder's Address: 197 Concord Rd, Westford, MA 01886	

## TO BIDDER:

You are notified that the Townsend Water Department has accepted your Bid dated April 18, 2019 for the above Contract, and that you are the Successful Bidder and are awarded a Contract for the Meadow Road Water Main Replacement Project.

The Contract Price of the awarded Contract is **\$173,490.00** which includes the base bid and add alternate, subject to unit prices as indicated in your bid.

Five unexecuted copies of the Agreement accompany this Notice of Award, and one copy of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

You must comply with the following conditions within 15 days of the date of this Notice of Award:

1. Deliver to Tighe & Bond 5 copies of the Agreement, fully executed by Bidder.
2. Deliver with the executed Agreements 5 copies of the Contract securities (Performance and Payment Bonds) as specified in the Project Manual. The date listed on the Contract securities should be left blank. The Owner will fill in the date after the effective date of the Agreement is established.
3. Deliver with the executed Agreements 5 copies of Certificates of Insurance as specified in the Instructions to Bidders and General Conditions, Articles 2 and 5.

Failure to comply with these conditions within the time specified will entitle the Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within 5 days after you comply with the above conditions, Owner will return to you one fully executed Contract,

Townsend Water Department  
Owner or Owner's Authorized Agent

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

T-0354-005  
May 6, 2019

Paul Rafuse  
Townsend Water Department  
540 Main Street  
Townsend, MA 01474

Re: **Main Street Water Main Replacement  
Recommendation to Award**

Dear Mr. Rafuse:

On April 25, 2019, the Townsend Water Department opened eight bids for the Main Street Water Main Replacement Project. The bidders, their respective total base bid prices and total add alternate bid prices are as follows:

<b>Contractor</b>	<b>Base Bid</b>	<b>Add Alt. No. 1</b>	<b>Total Bid Amount</b>
Shep Co Inc	\$817,515.00	\$35,412.50	\$852,927.50
Commonwealth Construction & Utilities	\$786,789.45	\$90,000.00	\$876,789.45
N. Granese and Sons, Inc.	\$798,754.50	\$85,000.00	\$883,754.50
P.V. Construction Corp	\$849,950.08	\$67,000.00	\$916,950.08
Blue Diamond Equipment Co	\$871,927.00	\$65,000.00	\$936,927.00
Joseph P. Cardillo & Sons Inc.	\$864,239.00	\$115,000.00	\$979,239.00
N. Cibotti, Inc.	\$979,373.25	\$120,000.00	\$1,099,373.25
Caracas Construction Corp	\$1,049,400.00	\$228,000.00	\$1,277,400.00

The attached bid tabulation presents a direct comparison of the bids in more detail.

As requested, we evaluated the bid information submitted by the apparent low bidder, as well their performance and financial reference information. The results of our evaluation are described below.

### **Bid Evaluation**

The bid submitted by the apparent low bidder, Shep Co Inc, is in conformance with the requirements of the bidding documents and the required attachments were submitted.

### **Reference Evaluation for Performance**

Tighe & Bond reviewed the project reference list provided with Shep Co Inc's bid and contacted selected references by telephone to verify Shep Co Inc's performance with respect to quality of workmanship, work schedules on prior projects, submittal and change order processing, cooperation, and overall satisfaction. Project references provided included multiple HDPE water main jobs in Townsend, MA; a 3,200 linear foot ductile iron water main constructed for a new development by Indian Hill Music; miscellaneous water main jobs in Groton, MA; and a water main job in Leominster, MA. Reviews were positive indicating that projects were completed in a timely manner and on schedule. The references contacted indicated that they have used Shep Co Inc multiple times in the past and would recommend them for water main

projects. Based on the feedback obtained from contacted references, it appears that Shep Co Inc. has the experience to perform the work.

### **Reference Evaluation for Financial Standing**

In addition, Tighe & Bond evaluated the financial standing of United States Fire Insurance Company, the company that provided Shep Co Inc's bid bond for this project. United States Fire Insurance Company has an "A" (excellent) rating and a financial size category XIII (\$1.25 to \$1.5 billion) with AM Best Company.

Based on Tighe & Bond's review of Shep Co Inc's references and their direct experience with the Townsend Water Department, we find that Shep Co Inc's is the lowest responsible bidder for the Main Street Water Main Replacement Project. We recommend that the Townsend Water Department award the contract for the Main Street Water Main Replacement Project to Shep Co Inc, contingent upon the following:

- Receipt of required Performance and Payment Bonds
- Receipt of required Certificates of Insurance

Upon authorization by the Townsend Water Department, we will issue a "Notice of Award" to Shep Co Inc notifying them that they are the successful bidder and request that they submit the required bonds and certificates of insurance.

Please call us at 508-304-6358 with questions.

Very truly yours,

**TIGHE & BOND, INC.**



Lou Soracco, P.E.  
Senior Project Manager

Enclosures:

Bid Tabulation  
Notice of Award

J:\T\T0354 Townsend Water Department\005 - Main Street Water Main\Bidding\Award\Recommendation to Award.docx

Item No.	Description	Estimated Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization/De-mobilization (5N)	1	\$45,000	\$45,000.00	\$33,000.00	\$33,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
2	Traffic Control	1	\$5,000	\$5,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$60,000.00	\$60,000.00	\$15,000.00	\$15,000.00
3	Excavation Below Normal Grade - Unavailable Material	50	\$2,000	\$100,000.00	\$1,500.00	\$75,000.00	\$6,000.00	\$300,000.00	\$1,500.00	\$75,000.00	\$1,500.00	\$75,000.00
4	Excavation Below Normal Grade - Unavailable Material	100	\$5,000	\$500,000.00	\$6,000.00	\$600,000.00	\$10,000.00	\$1,000,000.00	\$1,000.00	\$100,000.00	\$1,000.00	\$100,000.00
5	Rock Excavation	100	\$5,000	\$500,000.00	\$6,000.00	\$600,000.00	\$10,000.00	\$1,000,000.00	\$1,000.00	\$100,000.00	\$1,000.00	\$100,000.00
6	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
7	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
8	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
9	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
10	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
11	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
12	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
13	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
14	Crushed Stone Borrow	150	\$5,000	\$750,000.00	\$1,500.00	\$225,000.00	\$7,000.00	\$1,050,000.00	\$2,000.00	\$300,000.00	\$2,000.00	\$300,000.00
15	1-inch Polyethylene Tubing for Water Service	650	\$100	\$65,000.00	\$3,250.00	\$2,125.00	\$100.00	\$100.00	\$1,250.00	\$1,250.00	\$1.00	\$650.00
16	1-inch Polyethylene Tubing for Water Service	17	\$1,000	\$17,000.00	\$94,500.00	\$94,500.00	\$1,500.00	\$1,500.00	\$289.10	\$289.10	\$2,637.50	\$2,637.50
17	1-inch Water Service Curb, Box, & Coupling	27	\$1,000	\$27,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
18	Leaving Hydrants Removed	2	\$500	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
19	Abandonment of Existing Water Mains	1	\$5,000	\$5,000.00	\$5,000.00	\$5,000.00	\$16,000.00	\$16,000.00	\$55,000.00	\$55,000.00	\$1.00	\$55,000.00
20	Abandonment of Existing Water Mains	3,000	\$42	\$126,000.00	\$338.00	\$1,014,000.00	\$800.00	\$2,400,000.00	\$300.00	\$900,000.00	\$300.00	\$900,000.00
21	Permanent Concrete Curb Repair - Street Road	1	\$2,000	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
22	Illuminated Concrete Driveway Repair	50	\$1,750	\$87,500.00	\$1,750.00	\$87,500.00	\$1,750.00	\$87,500.00	\$1,750.00	\$87,500.00	\$1,750.00	\$87,500.00
23	Grass Curb Removal and Replanting	92.5	\$9.25	\$856.88	\$18,500.00	\$18,500.00	\$400.00	\$400.00	\$300.00	\$300.00	\$500.00	\$500.00
24	Monthly price adjustment for hot mix asphalt (HMA) Mixtures	Allowance										
25	Monthly price adjustment for concrete	Allowance										
26	Monthly price adjustment for gasoline	Allowance										
Total Amount of Base Bid				\$979,973.33		\$798,734.50		\$844,239.00		\$844,950.00		\$871,167.00

ADD ALTERNATE No. 1									
Item No.	Description	Estimated Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price
27	Horizontal Directional Drilling	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
		1	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00
		1	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00
		1	\$130,000.00	\$130,000.00	\$130,000.00	\$130,000.00	\$130,000.00	\$130,000.00	\$130,000.00
		1	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
		1	\$170,000.00	\$170,000.00	\$170,000.00	\$170,000.00	\$170,000.00	\$170,000.00	\$170,000.00
		1	\$190,000.00	\$190,000.00	\$190,000.00	\$190,000.00	\$190,000.00	\$190,000.00	\$190,000.00
		1	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00
		1	\$230,000.00	\$230,000.00	\$230,000.00	\$230,000.00	\$230,000.00	\$230,000.00	\$230,000.00
		1	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00
		1	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00	\$270,000.00
		1	\$290,000.00	\$290,000.00	\$290,000.00	\$290,000.00	\$290,000.00	\$290,000.00	\$290,000.00
		1	\$310,000.00	\$310,000.00	\$310,000.00	\$310,000.00	\$310,000.00	\$310,000.00	\$310,000.00
		1	\$330,000.00	\$330,000.00	\$330,000.00	\$330,000.00	\$330,000.00	\$330,000.00	\$330,000.00
		1	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00
		1	\$370,000.00	\$370,000.00	\$370,000.00	\$370,000.00	\$370,000.00	\$370,000.00	\$370,000.00
		1	\$390,000.00	\$390,000.00	\$390,000.00	\$390,000.00	\$390,000.00	\$390,000.00	\$390,000.00
		1	\$410,000.00	\$410,000.00	\$410,000.00	\$410,000.00	\$410,000.00	\$410,000.00	\$410,000.00
		1	\$430,000.00	\$430,000.00	\$430,000.00	\$430,000.00	\$430,000.00	\$430,000.00	\$430,000.00
		1	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00
		1	\$470,000.00	\$470,000.00	\$470,000.00	\$470,000.00	\$470,000.00	\$470,000.00	\$470,000.00
		1	\$490,000.00	\$490,000.00	\$490,000.00	\$490,000.00	\$490,000.00	\$490,000.00	\$490,000.00
		1	\$510,000.00	\$510,000.00	\$510,000.00	\$510,000.00	\$510,000.00	\$510,000.00	\$510,000.00
		1	\$530,000.00	\$530,000.00	\$530,000.00	\$530,000.00	\$530,000.00	\$530,000.00	\$530,000.00
		1	\$550,000.00	\$550,000.00	\$550,000.00	\$550,000.00	\$550,000.00	\$550,000.00	\$550,000.00
		1	\$570,000.00	\$570,000.00	\$570,000.00	\$570,000.00	\$570,000.00	\$570,000.00	\$570,000.00
		1	\$590,000.00	\$590,000.00	\$590,000.00	\$590,000.00	\$590,000.00	\$590,000.00	\$590,000.00
		1	\$610,000.00	\$610,000.00	\$610,000.00	\$610,000.00	\$610,000.00	\$610,000.00	\$610,000.00
		1	\$630,000.00	\$630,000.00	\$630,000.00	\$630,000.00	\$630,000.00	\$630,000.00	\$630,000.00
		1	\$650,000.00	\$650,000.00	\$650,000.00	\$650,000.00	\$650,000.00	\$650,000.00	\$650,000.00
		1	\$670,000.00	\$670,000.00	\$670,000.00	\$670,000.00	\$670,000.00	\$670,000.00	\$670,000.00
		1	\$690,000.00	\$690,000.00	\$690,000.00	\$690,000.00	\$690,000.00	\$690,000.00	\$690,000.00
		1	\$710,000.00	\$710,000.00	\$710,000.00	\$710,000.00	\$710,000.00	\$710,000.00	\$710,000.00
		1	\$730,000.00	\$730,000.00	\$730,000.00	\$730,000.00	\$730,000.00	\$730,000.00	\$730,000.00
		1	\$750,000.00	\$750,000.00	\$750,000.00	\$750,000.00	\$750,000.00	\$750,000.00	\$750,000.00
		1	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00
		1	\$790,000.00	\$790,000.00	\$790,000.00	\$790,000.00	\$790,000.00	\$790,000.00	\$790,000.00
		1	\$810,000.00	\$810,000.00	\$810,000.00	\$810,000.00	\$810,000.00	\$810,000.00	\$810,000.00
		1	\$830,000.00	\$830,000.00	\$830,000.00	\$830,000.00	\$830,000.00	\$830,000.00	\$830,000.00
		1	\$850,000.00	\$850,000.00	\$850,000.00	\$850,000.00	\$850,000.00	\$850,000.00	\$850,000.00
		1	\$870,000.00	\$870,000.00	\$870,000.00	\$870,000.00	\$870,000.00	\$870,000.00	\$870,000.00
		1	\$890,000.00	\$890,000.00	\$890,000.00	\$890,000.00	\$890,000.00	\$890,000.00	\$890,000.00
		1	\$910,000.00	\$910,000.00	\$910,000.00	\$910,000.00	\$910,000.00	\$910,000.00	\$910,000.00
		1	\$930,000.00	\$930,000.00	\$930,000.00	\$930,000.00	\$930,000.00	\$930,000.00	\$930,000.00
		1	\$950,000.00	\$950,000.00	\$950,000.00	\$950,000.00	\$950,000.00	\$950,000.00	\$950,000.00
		1	\$970,000.00	\$970,000.00	\$970,000.00	\$970,000.00	\$970,000.00	\$970,000.00	\$970,000.00
		1	\$990,000.00	\$990,000.00	\$990,000.00	\$990,000.00	\$990,000.00	\$990,000.00	\$990,000.00
		1	\$1,010,000.00	\$1,010,000.00	\$1,010,000.00	\$1,010,000.00	\$1,010,000.00	\$1,010,000.00	\$1,010,000.00
		1	\$1,030,000.00	\$1,030,000.00	\$1,030,000.00	\$1,030,000.00	\$1,030,000.00	\$1,030,000.00	\$1,030,000.00
		1	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00
		1	\$1,070,000.00	\$1,070,000.00	\$1,070,000.00	\$1,070,000.00	\$1,070,000.00	\$1,070,000.00	\$1,070,000.00
		1	\$1,090,000.00	\$1,090,000.00	\$1,090,000.00	\$1,090,000.00	\$1,090,000.00	\$1,090,000.00	\$1,090,000.00
		1	\$1,110,000.00	\$1,110,000.00	\$1,110,000.00	\$1,110,000.00	\$1,110,000.00	\$1,110,000.00	\$1,110,000.00
		1	\$1,130,000.00	\$1,130,000.00	\$1,130,000.00	\$1,130,000.00	\$1,130,000.00	\$1,130,000.00	\$1,130,000.00
		1	\$1,150,000.00	\$1,150,000.00	\$1,150,000.00	\$1,150,000.00	\$1,150,000.00	\$1,150,000.00	\$1,150,000.00
		1	\$1,170,000.00	\$1,170,000.00	\$1,170,000.00	\$1,170,000.00	\$1,170,000.00	\$1,170,000.00	\$1,170,000.00
		1	\$1,190,000.00	\$1,190,000.00	\$1,190,000.00	\$1,190,000.00	\$1,190,000.00	\$1,190,000.00	\$1,190,000.00
		1	\$1,210,000.00	\$1,210,000.00	\$1,210,000.00	\$1,210,000.00	\$1,210,000.00	\$1,210,000.00	\$1,210,000.00
		1	\$1,230,000.00	\$1,230,000.00	\$1,230,000.00	\$1,230,000.00	\$1,230,000.00	\$1,230,000.00	\$1,230,000.00
		1	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00
		1	\$1,270,000.00	\$1,270,000.00	\$1,270,000.00	\$1,270,000.00	\$1,270,000.00	\$1,270,000.00	\$1,270,000.00
		1	\$1,290,000.00	\$1,290,000.00	\$1,290,000.00	\$1,290,000.00	\$1,290,000.00	\$1,290,000.00	\$1,290,000.00
		1	\$1,310,000.00	\$1,310,000.00	\$1,310,000.00	\$1,310,000.00	\$1,310,000.00	\$1,310,000.00	\$1,310,000.00
		1	\$1,330,000.00	\$1,330,000.00	\$1,330,000.00	\$1,330,000.00	\$1,330,000.00	\$1,330,000.00	\$1,330,000.00
		1	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00
		1	\$1,370,000.00	\$1,370,000.00	\$1,370,000.00	\$1,370,000.00	\$1,370,000.00	\$1,370,000.00	\$1,370,000.00
		1	\$1,390,000.00	\$1,390,000.00	\$1,390,000.00	\$1,390,000.00	\$1,390,000.00	\$1,390,000.00	\$1,390,000.00
		1	\$1,410,000.00	\$1,410,000.00	\$1,410,000.00	\$1,410,000.00	\$1,410,000.00	\$1,410,000.00	\$1,410,000.00
		1	\$1,430,000.00	\$1,430,000.00	\$1,430,000.00	\$1,430,000.00	\$1,430,000.00	\$1,430,000.00	\$1,430,000.00
		1	\$1,450,000.00	\$1,450,000.00	\$1,450,000.00	\$1,450,000.00	\$1,450,000.00	\$1,450,000.00	\$1,450,000.00
		1	\$1,470,000.00	\$1,470,000.00	\$1,470,000.00	\$1,470,000.00	\$1,470,000.00	\$1,470,000.00	\$1,470,000.00
		1	\$1,490,000.00	\$1,490,000.00	\$1,490,000.00	\$1,490,000.00	\$1,490,000.00	\$1,490,000.00	\$1,490,000.00
		1	\$1,510,000.00	\$1,510,000.00	\$1,510,000.00	\$1,510,000.00	\$1,510,000.00	\$1,510,000.00	\$1,510,000.00
		1	\$1,530,000.00	\$1,530,000.00	\$1,530,000.00	\$1,530,000.00	\$1,530,000.00	\$1,530,000.00	\$1,530,000.00
		1	\$1,550,000.00	\$1,550,000.00	\$1,550,000.00	\$1,550,000.00	\$1,550,000.00	\$1,550,000.00	\$1,550,000.00
		1	\$1,570,000.00	\$1,570,000.00	\$1,570,000.00	\$1,570,000.00	\$1,570,000.00	\$1,570,000.00	\$1,570,000.00
		1	\$1,590,000.00	\$1,590,000.00	\$1,590,000.00	\$1,590,000.00	\$1,590,000.00	\$1,590,000.00	\$1,590,000.00
		1	\$1,610,000.00	\$1,610,000.00	\$1,610,000.00	\$1,610,000.00	\$1,610,000.00	\$1,610,000.00	\$1,610,000.00
		1	\$1,630,000.00	\$1,630,000.00	\$1,630,000.00	\$1,630,000.00	\$1,630,000.00	\$1,630,000.00	\$1,630,000.00
		1	\$1,650,000.00	\$1,650,000.00	\$1,650,000.00	\$1,650,000.00	\$1,650,000.00	\$1,650,000.00	\$1,650,000.00
		1	\$1,670,000.00	\$1,670,000.00	\$1,670,000.00	\$1,670,000.00	\$1,670,000.00	\$1,670,000.00	\$1,670,000.00
		1	\$1,690,000.00	\$1,690,000.00	\$1,690,000.00	\$1,690,000.00	\$1,690,000.00	\$1,690,000.00	\$1,690,000.00
		1	\$1,710,000.00	\$1,710,000.00	\$1,710,000.00	\$1,710,000.00	\$1,710,000.00	\$1,710,000.00	\$1,710,000.00
		1	\$1,730,000.00	\$1,730,000.00	\$1,730,000.00	\$1,730,000.00	\$1,730,000.00	\$1,730,000.00	\$1,730,000.00
		1	\$1,750,000.00	\$1,750,000.00	\$1,750,000.00	\$1,750,000.00	\$1,750,000.00	\$1,750,000.00	\$1,750,000.00
		1	\$1,770,000.00	\$1,770,000.00	\$1,770,000.00	\$1,770,000.00	\$1,770,000.00	\$1,770,000.00	\$1,770,000.00
		1	\$1,790,000.00	\$1,790,000.00	\$1,790,000.00	\$1,790,000.00	\$1,790,000.00	\$1,790,000.00	\$1,790,000.00
		1	\$1,810,000.00	\$1,810,000.00	\$1,810,000.00	\$1,810,000.00	\$1,810,000.00	\$1,810,000.00	\$1,810,000.00
		1	\$1,830,000.00	\$1,830,000.00	\$1,830,000.00	\$1,830,000.00	\$1,830,000.00	\$1,830,000.00	\$1,830,000.00
		1	\$1,850,000.00	\$1,850,000.00	\$1,850,000.00	\$1,850,000.00	\$1,850,000.00	\$1,850,000.00	\$1,850,000.00
		1	\$1,870,000.00	\$1,870,000.00	\$1,870,000.00	\$1,870,000.00	\$1,870,000.00	\$1,870,000.00	\$1,870,000.00
		1	\$1,890,000.00	\$1,890,000.00	\$1,890,000.00	\$1,890,000.00	\$1,890,000.00	\$1,890,000.00	\$1,890,000.00
		1	\$1,910,000.00	\$1,910,000.00	\$1,910,000.00	\$1,910,000.00	\$1,910,000.00	\$1,910,000.00	\$1,910,000.00
		1	\$1,930,000.00	\$1,930,000.00	\$1,930,000.00	\$1,930,000.00	\$1,930,000.00	\$1,930,000.00	\$1,930,000.00
		1	\$1,950,000.00	\$1,950,000.00	\$1,950,000.00	\$1,950,00			

PROJECT SUMMARY									
Total Amount of Base Bid		\$979,371.25	\$798,754.50	\$644,239.00	\$1,048,400.00	\$449,950.08	\$271,037.00	\$762,789.45	\$817,515.00
Total Amount of Add Alternate No. 1		\$120,000.00	\$55,000.00	\$115,000.00	\$228,000.00	\$67,000.00	\$65,000.00	\$90,000.00	\$38,412.50
Total Amount of Base Bid + Add Alternate No. 1		\$1,099,371.25	\$853,754.50	\$759,239.00	\$1,277,400.00	\$516,950.08	\$336,037.00	\$852,789.45	\$855,927.50

Note: Highlighted items indicate corrected values as there were math errors on the bid tabulations submitted.

# Notice of Award

Date:

Project: Main Street Water Main Replacement	
Owner: Town of Townsend Water Department	Owner's Contract No.:
Engineer: Tighe & Bond	Engineer's Project No.: T-0354-005
Bidder: Shep Co Inc	
Bidder's Address: 55 Main Street, Townsend, MA 01469	

## TO BIDDER:

You are notified that the Townsend Water Department has accepted your Bid dated April 25, 2019 for the above Contract, and that you are the Successful Bidder and are awarded a Contract for the Main Street Water Main Replacement Project.

The Contract Price of the awarded Contract is **\$852,927.50** which includes the base bid and add alternate, subject to unit prices as indicated in your bid.

Five unexecuted copies of the Agreement accompany this Notice of Award, and one copy of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

You must comply with the following conditions within 15 days of the date of this Notice of Award:

1. Deliver to Tighe & Bond 5 copies of the Agreement, fully executed by Bidder.
2. Deliver with the executed Agreements 5 copies of the Contract securities (Performance and Payment Bonds) as specified in the Project Manual. The date listed on the Contract securities should be left blank. The Owner will fill in the date after the effective date of the Agreement is established.
3. Deliver with the executed Agreements 5 copies of Certificates of Insurance as specified in the Instructions to Bidders and General Conditions, Articles 2 and 5.

Failure to comply with these conditions within the time specified will entitle the Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within 5 days after you comply with the above conditions, Owner will return to you one fully executed Contract,

Townsend Water Department  
Owner or Owner's Authorized Agent

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

# Town of Townsend, Massachusetts

## Pavement Management Program

### Proposed 2019 to 2021 Capital Improvement Plan

\*Costs Serve For Estimating Purposes On - Not to be used for Bidding/Construction.

DRAFT - 4/1/2019

			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
<b>2019</b>										
<b>Debt Exclusion</b>										
<b>ASH STREET</b> 1.11 Miles										
ASH ST-01	SOUTH HARBOR RD	BIRCH LN	Mill and Overlay	31	1,319.53	\$21,112.56	\$1,056.00	\$2,111.00	\$0.00	\$24,279.00
ASH ST-02	BIRCH LN	SYCAMORE DR	Mill and Overlay	31	1,395.03	\$22,320.46	\$1,116.00	\$2,232.00	\$0.00	\$25,669.00
ASH ST-03	SYCAMORE DR	CEDAR CIR	Mill and Overlay	31	5,529.40	\$88,470.46	\$4,424.00	\$8,847.00	\$0.00	\$101,741.00
ASH ST-04	CEDAR CIR	REDWOOD DR	Mill and Overlay	31	664.07	\$10,625.09	\$531.00	\$1,063.00	\$0.00	\$12,219.00
ASH ST-05	REDWOOD DR	CHESTNUT DR	Mill and Overlay	31	657.21	\$10,515.42	\$526.00	\$1,052.00	\$0.00	\$12,093.00
ASH ST-06	CHESTNUT DR	MAPLEWOOD DR	Mill and Overlay	31	1,536.65	\$24,586.35	\$1,229.00	\$2,459.00	\$0.00	\$28,274.00
ASH ST-07	MAPLEWOOD DR	HICKORY DR	Mill and Overlay	31	768.67	\$12,298.66	\$615.00	\$1,230.00	\$0.00	\$14,143.00
ASH ST-08	HICKORY DR	ALYSSA DR	Mill and Overlay	31	6,054.50	\$96,872.02	\$4,844.00	\$9,687.00	\$0.00	\$111,403.00
ASH ST-09	ALYSSA DR	PONDEROSA DR	Mill and Overlay	31	2,184.39	\$34,950.18	\$1,748.00	\$3,495.00	\$0.00	\$40,193.00
<b>Project Totals:</b>					<b>20,109.45</b>	<b>\$321,751.20</b>	<b>\$16,089.00</b>	<b>\$32,176.00</b>	<b>\$0.00</b>	<b>\$370,014.00</b>
<b>BEECH STREET</b> 0.45 Miles										
BEECH ST-01	WARREN RD	WALNUT ST	Mill and Overlay	30	2,569.95	\$41,119.18	\$2,056.00	\$4,112.00	\$0.00	\$47,287.00
BEECH ST-02	WALNUT ST	MAPLEWOOD DR	Mill and Overlay	30	532.09	\$8,513.51	\$426.00	\$851.00	\$0.00	\$9,791.00
BEECH ST-03	MAPLEWOOD DR	SPRUCE ST	Mill and Overlay	30	1,155.81	\$18,493.01	\$925.00	\$1,849.00	\$0.00	\$21,267.00
BEECH ST-04	SPRUCE ST	MAPLEWOOD DR	Mill and Overlay	30	3,608.88	\$57,742.04	\$2,887.00	\$5,774.00	\$0.00	\$66,403.00
<b>Project Totals:</b>					<b>7,866.73</b>	<b>\$125,867.73</b>	<b>\$6,294.00</b>	<b>\$12,586.00</b>	<b>\$0.00</b>	<b>\$144,748.00</b>
<b>HIGHLAND STREET</b> 1.71 Miles										
HIGHLAND ST-01	MAIN ST	OSGOOD ST	Mill and Overlay	26	1,000.46	\$16,007.34	\$800.00	\$1,601.00	\$0.00	\$18,408.00
HIGHLAND ST-02	OSGOOD ST	SCHOOL ST	Mill and Overlay	26	1,613.50	\$25,816.05	\$1,291.00	\$2,582.00	\$0.00	\$29,688.00
HIGHLAND ST-03	SCHOOL ST	BROOKLINE ST	Mill and Overlay	26	1,094.11	\$17,505.70	\$875.00	\$1,751.00	\$0.00	\$20,132.00
HIGHLAND ST-04	BROOKLINE ST	STERN'S AVE	Mill and Overlay	26	1,950.42	\$31,206.70	\$1,560.00	\$3,121.00	\$0.00	\$35,888.00
HIGHLAND ST-05	STERN'S AVE	SMITH ST	Mill and Overlay	26	4,402.65	\$70,442.37	\$3,522.00	\$7,044.00	\$0.00	\$81,009.00
HIGHLAND ST-06	SMITH ST	OLD MEETING HOUSE R	Mill and Overlay	26	1,294.14	\$20,706.17	\$1,035.00	\$2,071.00	\$0.00	\$23,812.00
HIGHLAND ST-07	OLD MEETING HOUSE RD	ADAMS RD	Mill and Overlay	26	4,334.72	\$69,355.53	\$3,468.00	\$6,936.00	\$0.00	\$79,759.00
HIGHLAND ST-08	ADAMS RD	WALLACE HILL RD	Mill and Overlay	26	10,334.27	\$165,348.36	\$8,267.00	\$16,535.00	\$0.00	\$190,151.00
<b>Project Totals:</b>					<b>26,024.26</b>	<b>\$416,388.22</b>	<b>\$20,818.00</b>	<b>\$41,641.00</b>	<b>\$0.00</b>	<b>\$478,847.00</b>
<b>MAPLEWOOD DRIVE</b> 0.95 Miles										
MAPLEWOOD DR-01	BEECH ST	BEECH ST	Mill and Overlay	26	3,800.47	\$60,807.47	\$3,040.00	\$6,081.00	\$0.00	\$69,929.00
MAPLEWOOD DR-02	BEECH ST	BALSAM DR	Mill and Overlay	26	751.58	\$12,025.34	\$601.00	\$1,203.00	\$0.00	\$13,829.00
MAPLEWOOD DR-03	BALSAM ST	PONDEROSA DR	Mill and Overlay	26	6,508.85	\$104,141.59	\$5,207.00	\$10,414.00	\$0.00	\$119,763.00

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**DRAFT - 4/1/2019**

			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
MAPLEWOOD DR-04	PONDEROSA DR	CHESTNUT DR	Mill and Overlay	26	572.26	\$9,156.20	\$458.00	\$916.00	\$0.00	\$10,530.00
MAPLEWOOD DR-05	CHESTNUT DR	ASH ST	Mill and Overlay	26	2,831.46	\$45,303.40	\$2,265.00	\$4,530.00	\$0.00	\$52,099.00
<b>Project Totals:</b>				<b>14,464.62</b>		<b>\$231,434.00</b>	<b>\$11,571.00</b>	<b>\$23,144.00</b>	<b>\$0.00</b>	<b>\$266,150.00</b>
<b>SEAVER ROAD 0.49 Miles</b>										
SEAVER RD	TYLER RD	DEAD END	Shim and Overlay	18	5,189.31	\$62,271.72	\$3,114.00	\$6,227.00	\$0.00	\$71,612.00
<b>Project Totals:</b>				<b>5,189.31</b>		<b>\$62,271.72</b>	<b>\$3,114.00</b>	<b>\$6,227.00</b>	<b>\$0.00</b>	<b>\$71,612.00</b>
<b>SOUTH ROW ROAD 1.42 Miles</b>										
SOUTH ROW RD-01	SOUTH HARBOR RD	DRIVEWAY #155	Shim and Overlay	21	4,702.38	\$56,428.61	\$2,821.00	\$5,643.00	\$0.00	\$64,893.00
SOUTH ROW RD-02	DRIVEWAY #155	EMERY RD	Shim and Overlay	21	6,603.11	\$79,237.33	\$3,962.00	\$7,924.00	\$0.00	\$91,123.00
SOUTH ROW RD-03	EMERY RD	GILCHRIST RD	Shim and Overlay	21	3,578.16	\$42,937.95	\$2,147.00	\$4,294.00	\$0.00	\$49,379.00
SOUTH ROW RD-04	GILCHRIST RD	TYLER RD	Shim and Overlay	21	2,615.15	\$31,381.86	\$1,569.00	\$3,138.00	\$0.00	\$36,089.00
<b>Project Totals:</b>				<b>17,498.81</b>		<b>\$209,985.75</b>	<b>\$10,499.00</b>	<b>\$20,999.00</b>	<b>\$0.00</b>	<b>\$241,484.00</b>
<b>Funding Total:</b>				<b>91,153.20</b>		<b>\$1,367,698.6</b>	<b>\$68,385.00</b>	<b>\$136,773.00</b>	<b>\$0.00</b>	<b>\$1,572,855.00</b>

**Pavement Management Fund**

<b>MADISON AVENUE 0.09 Miles</b>										
MADISON AVE	WARREN RD	CUL DE SAC	Crack Seal	20	1,056.67	\$528.34	\$0.00	\$0.00	\$0.00	\$528.00
<b>Project Totals:</b>				<b>1,056.67</b>		<b>\$528.34</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$528.00</b>
<b>PIERCE ROAD 0.90 Miles</b>										
PIERCE RD-01	TURNER RD	DRIVEWAY #64	Crack Seal	18	1,902.95	\$951.48	\$0.00	\$0.00	\$0.00	\$951.00
PIERCE RD-02	DRIVEWAY #64	WARNER RD	Crack Seal	18	5,728.65	\$2,864.33	\$0.00	\$0.00	\$0.00	\$2,864.00
PIERCE RD-03	WARREN RD	ASH ST	Crack Seal	18	1,849.55	\$924.78	\$0.00	\$0.00	\$0.00	\$925.00
<b>Project Totals:</b>				<b>9,481.16</b>		<b>\$4,740.58</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4,740.00</b>
<b>TURNER ROAD 1.41 Miles</b>										
TURNER RD-01	WARREN RD	DRIVEWAY #79	Crack Seal	17	6,904.12	\$3,452.06	\$0.00	\$0.00	\$0.00	\$3,452.00
TURNER RD-02	DRIVEWAY #79	PIERCE RD	Crack Seal	17	3,119.33	\$1,559.67	\$0.00	\$0.00	\$0.00	\$1,560.00
TURNER RD-03	PIERCE RD	SHIRLEY TL	Crack Seal	17	4,082.48	\$2,041.24	\$0.00	\$0.00	\$0.00	\$2,041.00
<b>Project Totals:</b>				<b>14,105.93</b>		<b>\$7,052.97</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,053.00</b>
<b>WARREN ROAD 2.67 Miles</b>										
WARREN RD-01	SOUTH HARBOR RD	BEECH ST	Crack Seal	26	2,939.41	\$1,469.71	\$0.00	\$0.00	\$0.00	\$1,470.00
WARREN RD-02	BEECH ST	DRIVEWAY #44	Crack Seal	26	7,881.82	\$3,940.91	\$0.00	\$0.00	\$0.00	\$3,941.00
WARREN RD-03	DRIVEWAY #44	SHIRLEY RD	Crack Seal	26	1,155.12	\$577.56	\$0.00	\$0.00	\$0.00	\$578.00
WARREN RD-04	SHIRLEY RD	VIRGO LN	Crack Seal	26	697.16	\$348.58	\$0.00	\$0.00	\$0.00	\$349.00
WARREN RD-05	VIRGO LN	SAGITARIUS LN	Crack Seal	26	1,838.45	\$919.23	\$0.00	\$0.00	\$0.00	\$919.00
WARREN RD-06	SAGITARIUS LN	TURNER RD	Crack Seal	26	1,722.52	\$861.26	\$0.00	\$0.00	\$0.00	\$861.00
WARREN RD-07	TURNER RD	DRIVEWAY #99	Crack Seal	26	1,508.59	\$754.30	\$0.00	\$0.00	\$0.00	\$754.00
WARREN RD-08	DRIVEWAY #99	MADISON AVE	Crack Seal	26	7,195.16	\$3,597.58	\$0.00	\$0.00	\$0.00	\$3,598.00

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			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
WARREN RD-09	MADISON AVE	PIERCE RD	Crack Seal	26	3,532.45	\$1,766.22	\$0.00	\$0.00	\$0.00	\$1,766.00
WARREN RD-10	PIERCE RD	KOSKI WAY	Crack Seal	26	3,908.47	\$1,954.24	\$0.00	\$0.00	\$0.00	\$1,954.00
WARREN RD-11	KOSKI WY	LUNENBURG TL	Crack Seal	26	8,352.25	\$4,176.12	\$0.00	\$0.00	\$0.00	\$4,176.00
Project Totals:				40,731.40		\$20,365.70	\$0.00	\$0.00	\$0.00	\$20,366.00
DOGWOOD DRIVE 0.29 Miles										
DOGWOOD DR-01	EMERY RD	WILLOW DR	Reclamation	24	2,092.71	\$50,224.95	\$2,511.00	\$5,022.00	\$0.00	\$57,759.00
DOGWOOD DR-02	WILLOW DR	SUMAC DR	Reclamation	24	1,384.28	\$33,222.80	\$1,661.00	\$3,322.00	\$0.00	\$38,206.00
DOGWOOD DR-03	SUMAC DR	CUL DE SAC	Reclamation	24	571.67	\$13,720.12	\$686.00	\$1,372.00	\$0.00	\$15,778.00
Project Totals:				4,048.66		\$97,167.86	\$4,858.00	\$9,716.00	\$0.00	\$111,743.00
SHAGBARK DRIVE 0.17 Miles										
SHAGBARK DR-01	EMERY RD	WILLOW DR	Reclamation	24	1,215.94	\$29,182.62	\$1,459.00	\$2,918.00	\$0.00	\$33,560.00
SHAGBARK DR-02	WILLOW DR	SUMAC DR	Reclamation	24	651.70	\$15,640.84	\$782.00	\$1,564.00	\$0.00	\$17,987.00
SHAGBARK DR-03	SUMAC DR	CUL DE SAC	Reclamation	24	576.71	\$13,841.12	\$692.00	\$1,384.00	\$0.00	\$15,917.00
Project Totals:				2,444.36		\$58,664.58	\$2,933.00	\$5,866.00	\$0.00	\$67,464.00
SUMAC DRIVE 0.29 Miles										
SUMAC DR	DOGWOOD DR	SHAGBARK DR	Reclamation	24	4,033.81	\$96,811.55	\$4,841.00	\$9,681.00	\$0.00	\$111,333.00
Project Totals:				4,033.81		\$96,811.55	\$4,841.00	\$9,681.00	\$0.00	\$111,333.00
WILLOW DRIVE 0.29 Miles										
WILLOW DR	DOGWOOD DR	SHAGBARK DR	Reclamation	24	4,138.86	\$99,332.60	\$4,967.00	\$9,933.00	\$0.00	\$114,232.00
Project Totals:				4,138.86		\$99,332.60	\$4,967.00	\$9,933.00	\$0.00	\$114,232.00
DUDLEY ROAD 0.98 Miles										
DUDLEY RD-04	BARKER HILL RD	BURGESS RD	Surface Treatment	24	5,011.93	\$42,601.41	\$2,130.00	\$4,260.00	\$0.00	\$48,992.00
DUDLEY RD-05	BURGESS RD	PAVEMENT CHANGE	Surface Treatment	24	8,748.30	\$74,360.53	\$3,718.00	\$7,436.00	\$0.00	\$85,515.00
Project Totals:				13,760.23		\$116,961.94	\$5,848.00	\$11,696.00	\$0.00	\$134,507.00
FESSENDEN HILL ROAD 1.66 Miles										
FESSENDEN HILL RD-01	BROOKLINE RD	PAVEMENT CHANGE	Surface Treatment	14	1,388.95	\$11,806.08	\$590.00	\$1,181.00	\$0.00	\$13,577.00
FESSENDEN HILL RD-02	PAVEMENT CHANGE	DEAD END	Surface Treatment	14	12,253.61	\$104,155.72	\$5,208.00	\$10,416.00	\$0.00	\$119,779.00
Project Totals:				13,642.57		\$115,961.80	\$5,798.00	\$11,597.00	\$0.00	\$133,356.00
Funding Total:				107,443.65		\$617,587.93	\$29,245.00	\$58,489.00	\$0.00	\$705,322.00
Year Total:				198,596.85		\$1,985,286.5	\$97,630.00	\$195,262.00	\$0.00	\$2,278,177.00

2020

## Debt Exclusion

## BAYBERRY HILL ROAD 1.77 Miles

BAYBERRY HILL RD-01	FITCHBURG RD	CLEMENT RD	Mill and Overlay	25	5,352.35	\$85,637.65	\$4,282.00	\$8,564.00	\$0.00	\$98,483.00
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4/3/2019

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			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
BAYBERRY HILL RD-02	CLEMENT RD	LUNENBURG RD	Mill and Overlay	25	19,413.75	\$310,620.03	\$15,531.00	\$31,062.00	\$0.00	\$357,213.00
BAYBERRY HILL RD-03	LUNENBURG RD	DEAD END	Mill and Overlay	15	673.36	\$10,773.80	\$539.00	\$1,077.00	\$0.00	\$12,390.00
Project Totals:				25,439.47		\$407,031.48	\$20,352.00	\$40,703.00	\$0.00	\$468,086.00
<b>CLEMENT ROAD</b> 1.09 Miles										
CLEMENT RD-01	BAYBERRY HILL RD	BAILEY RD	Mill and Overlay	20	6,067.93	\$97,086.89	\$4,854.00	\$9,709.00	\$0.00	\$111,650.00
CLEMENT RD-02	BAILEY RD	FITCHBURG RD	Mill and Overlay	20	6,740.71	\$107,851.36	\$5,393.00	\$10,785.00	\$0.00	\$124,029.00
Project Totals:				12,808.64		\$204,938.25	\$10,247.00	\$20,494.00	\$0.00	\$235,679.00
<b>NEW FITCHBURG ROAD</b> 2.87 Miles										
NEW FITCHBURG RD-01	MAIN ST	LINDEN ST	Mill and Overlay	29	1,969.66	\$31,514.51	\$1,576.00	\$3,151.00	\$0.00	\$36,242.00
NEW FITCHBURG RD-02	LINDEN ST	JONATHAN LN	Mill and Overlay	29	8,808.22	\$140,931.53	\$7,047.00	\$14,093.00	\$0.00	\$162,071.00
NEW FITCHBURG RD-03	JONATHAN LN	WYMAN RD	Mill and Overlay	29	5,730.06	\$91,680.89	\$4,584.00	\$9,168.00	\$0.00	\$105,433.00
NEW FITCHBURG RD-04	WYMAN RD	VINTON POND RD	Mill and Overlay	29	8,578.66	\$137,258.52	\$6,863.00	\$13,726.00	\$0.00	\$157,847.00
NEW FITCHBURG RD-05	VINTON POND RD	WARE RD	Mill and Overlay	29	16,299.92	\$260,798.72	\$13,040.00	\$26,080.00	\$0.00	\$299,919.00
NEW FITCHBURG RD-06	WARE RD	LUNENBURG TL	Mill and Overlay	29	7,360.90	\$117,774.42	\$5,889.00	\$11,777.00	\$0.00	\$135,441.00
Project Totals:				48,747.41		\$779,958.59	\$38,999.00	\$77,995.00	\$0.00	\$896,953.00
<b>WOODLAND DRIVE</b> 0.35 Miles										
WOODLAND DR-01	FITCHBURG RD	KNOLLWOOD LN	Mill and Overlay	24	2,183.70	\$34,939.13	\$1,747.00	\$3,494.00	\$0.00	\$40,180.00
WOODLAND DR-02	KNOLLWOOD LN	BLOOD RD	Mill and Overlay	24	2,708.86	\$43,341.74	\$2,167.00	\$4,334.00	\$0.00	\$49,843.00
Project Totals:				4,892.55		\$78,280.87	\$3,914.00	\$7,828.00	\$0.00	\$90,023.00
<b>WORCESTER ROAD</b> 0.55 Miles										
WORCESTER RD-01	MAIN ST	BLOOD ST	Mill and Overlay	25	6,654.46	\$106,471.29	\$5,324.00	\$10,647.00	\$0.00	\$122,442.00
WORCESTER RD-02	BLOOD ST	FITCHBURG RD	Mill and Overlay	25	1,460.08	\$23,361.25	\$1,168.00	\$2,336.00	\$0.00	\$26,865.00
Project Totals:				8,114.53		\$129,832.54	\$6,492.00	\$12,983.00	\$0.00	\$149,307.00
<b>OLD CITY ROAD</b> 0.89 Miles										
OLD CITY RD-01	FITCHBURG RD	LAUREL WOODS DR	Shim and Overlay	19	2,595.27	\$31,143.23	\$1,557.00	\$3,114.00	\$0.00	\$35,815.00
OLD CITY RD-02	LAUREL WOODS DR	LUNENBURG RD	Shim and Overlay	19	7,317.23	\$87,806.71	\$4,390.00	\$8,781.00	\$0.00	\$100,978.00
Project Totals:				9,912.50		\$118,949.94	\$5,947.00	\$11,895.00	\$0.00	\$136,793.00
<b>WYMAN ROAD</b> 0.24 Miles										
WYMAN RD	NEW FITCHBURG RD	LUNENBURG RD	Shim and Overlay	20	2,762.69	\$33,152.24	\$1,658.00	\$3,315.00	\$0.00	\$38,125.00
Project Totals:				2,762.69		\$33,152.24	\$1,658.00	\$3,315.00	\$0.00	\$38,125.00
Funding Total:				112,677.79		\$1,752,143.9	\$87,609.00	\$175,213.00	\$0.00	\$2,014,966.00

**Pavement Management Fund**

<b>BROOKLINE ROAD</b> 2.64 Miles										
BROOKLINE RD-01	CROSS ST	DUDLEY RD	Crack Seal	30	3,955.73	\$1,977.87	\$0.00	\$0.00	\$0.00	\$1,978.00
BROOKLINE RD-02	DUDLEY RD	FESSEND HILL RD	Crack Seal	30	7,507.81	\$3,753.90	\$0.00	\$0.00	\$0.00	\$3,754.00

BETA Group, Inc.

**DRAFT - 4/1/2019**

			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
BROOKLINE RD-03	FESSEND HILL RD	NORTH END RD	Crack Seal	30	16,587.08	\$8,293.54	\$0.00	\$0.00	\$0.00	\$8,294.00
BROOKLINE RD-04	NORTH END RD	DRIVEWAY #166	Crack Seal	30	9,960.10	\$4,980.05	\$0.00	\$0.00	\$0.00	\$4,980.00
BROOKLINE RD-05	DRIVEWAY #166	NEW HAMPSHIRE SL	Crack Seal	30	8,464.93	\$4,232.47	\$0.00	\$0.00	\$0.00	\$4,232.00
<b>Project Totals:</b>					<b>46,475.65</b>	<b>\$23,237.82</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$23,238.00</b>
<b>DIX ROAD</b> 0.10 Miles										
DIX RD	ADAMS RD	MEADOW RD	Crack Seal	18	1,024.39	\$512.19	\$0.00	\$0.00	\$0.00	\$512.00
<b>Project Totals:</b>					<b>1,024.39</b>	<b>\$512.19</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$512.00</b>
<b>MEADOW ROAD</b> 1.41 Miles										
MEADOW RD-01	TOWNSEND HILL RD	ADAMS RD	Crack Seal	19	6,490.00	\$3,245.00	\$0.00	\$0.00	\$0.00	\$3,245.00
MEADOW RD-02	ADAMS RD	DIX RD	Crack Seal	19	1,516.15	\$758.07	\$0.00	\$0.00	\$0.00	\$758.00
MEADOW RD-03	DIX RD	BROOKLINE RD	Crack Seal	19	7,710.68	\$3,855.34	\$0.00	\$0.00	\$0.00	\$3,855.00
<b>Project Totals:</b>					<b>15,716.83</b>	<b>\$7,858.42</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,858.00</b>
<b>APPLE DRIVE</b> 0.30 Miles										
APPLE DR-01	CHERRY DR	PEACH LN	Reclamation	26	1,532.70	\$36,784.92	\$1,839.00	\$3,678.00	\$0.00	\$42,303.00
APPLE DR-02	PEACH LN	LAUREL LN	Reclamation	26	1,722.40	\$41,337.61	\$2,067.00	\$4,134.00	\$0.00	\$47,538.00
APPLE DR-03	LAUREL LN	TAMARACK LN	Reclamation	26	1,260.19	\$30,244.45	\$1,512.00	\$3,024.00	\$0.00	\$34,781.00
<b>Project Totals:</b>					<b>4,515.29</b>	<b>\$108,366.98</b>	<b>\$5,418.00</b>	<b>\$10,836.00</b>	<b>\$0.00</b>	<b>\$124,622.00</b>
<b>LAUREL LANE</b> 0.09 Miles										
LAUREL LN	APPLE DR	CUL DE SAC	Reclamation	26	1,352.81	\$32,467.41	\$1,623.00	\$3,247.00	\$0.00	\$37,338.00
<b>Project Totals:</b>					<b>1,352.81</b>	<b>\$32,467.41</b>	<b>\$1,623.00</b>	<b>\$3,247.00</b>	<b>\$0.00</b>	<b>\$37,338.00</b>
<b>PEACH LANE</b> 0.07 Miles										
PEACH LN	APPLE DR	CUL DE SAC	Reclamation	26	1,140.87	\$27,380.89	\$1,369.00	\$2,738.00	\$0.00	\$31,488.00
<b>Project Totals:</b>					<b>1,140.87</b>	<b>\$27,380.89</b>	<b>\$1,369.00</b>	<b>\$2,738.00</b>	<b>\$0.00</b>	<b>\$31,488.00</b>
<b>TAMARACK LANE</b> 0.18 Miles										
TAMARACK LN-01	EMERY RD	APPLE DR	Reclamation	26	1,314.14	\$31,539.30	\$1,577.00	\$3,154.00	\$0.00	\$36,270.00
TAMARACK LN-02	APPLE DR	CUL DE SAC	Reclamation	26	1,373.66	\$32,967.88	\$1,648.00	\$3,297.00	\$0.00	\$37,913.00
<b>Project Totals:</b>					<b>2,687.80</b>	<b>\$64,507.18</b>	<b>\$3,225.00</b>	<b>\$6,451.00</b>	<b>\$0.00</b>	<b>\$74,183.00</b>
<b>ELM STREET</b> 0.47 Miles										
ELM ST-01	WORCESTER RD	ELM CIR	Surface Treatment	32	956.20	\$8,127.70	\$406.00	\$813.00	\$0.00	\$9,347.00
ELM ST-02	ELM CIR	BRIDGE	Surface Treatment	32	2,141.90	\$18,206.18	\$910.00	\$1,821.00	\$0.00	\$20,937.00
ELM ST-03	BRIDGE	DEPOT ST	Surface Treatment	32	2,593.59	\$22,045.53	\$1,102.00	\$2,205.00	\$0.00	\$25,352.00
ELM ST-04	DEPOT ST	RAILROAD ST	Surface Treatment	32	1,472.13	\$12,513.13	\$626.00	\$1,251.00	\$0.00	\$14,390.00
ELM ST-05	RAILROAD ST	MAIN ST	Surface Treatment	32	1,734.72	\$14,745.16	\$737.00	\$1,475.00	\$0.00	\$16,957.00
<b>Project Totals:</b>					<b>8,898.55</b>	<b>\$75,637.70</b>	<b>\$3,781.00</b>	<b>\$7,565.00</b>	<b>\$0.00</b>	<b>\$86,983.00</b>
<b>ELM STREET WEST</b> 1.01 Miles										
ELM ST WEST-01	WYMAN RD	BLOOD RD	Surface Treatment	27	2,664.96	\$22,652.15	\$1,133.00	\$2,265.00	\$0.00	\$26,050.00

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			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
ELM ST WEST-02	BLOOD RD	LINDEN ST	Surface Treatment	27	11,092.56	\$94,286.80	\$4,714.00	\$9,429.00	\$0.00	\$108,430.00
ELM ST WEST-03	LINDEN ST	MAIN ST	Surface Treatment	27	2,270.96	\$19,303.20	\$965.00	\$1,930.00	\$0.00	\$22,199.00
Project Totals:					16,028.49	\$136,242.14	\$6,812.00	\$13,624.00	\$0.00	\$156,679.00
<b>LUNENBURG ROAD</b> 1.97 Miles										
LUNENBURG RD-01	WYMAN RD	RYAN RD	Surface Treatment	27	3,380.14	\$28,731.16	\$1,437.00	\$2,873.00	\$0.00	\$33,041.00
LUNENBURG RD-02	RYAN RD	BAYBERRY HILL RD	Surface Treatment	27	3,336.09	\$28,356.78	\$1,418.00	\$2,836.00	\$0.00	\$32,610.00
LUNENBURG RD-03	BAYBERRY HILL RD	BAYBERRY LN	Surface Treatment	27	12,358.93	\$105,050.88	\$5,253.00	\$10,505.00	\$0.00	\$120,809.00
LUNENBURG RD-04	BAYBERRY LN	OLD CITY RD	Surface Treatment	27	9,842.80	\$83,663.83	\$4,183.00	\$8,366.00	\$0.00	\$96,213.00
LUNENBURG RD-05	OLD CITY RD	LUNENBURG TL	Surface Treatment	27	2,240.13	\$19,041.06	\$952.00	\$1,904.00	\$0.00	\$21,897.00
Project Totals:					31,158.08	\$264,843.71	\$13,243.00	\$26,484.00	\$0.00	\$304,570.00
Funding Total:					128,998.76	\$741,054.44	\$35,471.00	\$70,945.00	\$0.00	\$847,471.00
Year Total:					241,676.55	\$2,493,198.3	\$123,080.00	\$246,158.00	\$0.00	\$2,862,437.00

2021

## Debt Exclusion

## CANAL STREET 0.17 Miles

CANAL ST	MAIN ST	DUDLEY RD	Mill and Overlay	28	2,796.97	\$44,751.52	\$2,238.00	\$4,475.00	\$0.00	\$51,464.00
Project Totals:					2,796.97	\$44,751.52	\$2,238.00	\$4,475.00	\$0.00	\$51,464.00

## GREENVILLE ROAD 1.46 Miles

GREENVILLE RD-01	MASON RD	DRIVEWAY #60	Mill and Overlay	28	10,034.62	\$160,553.96	\$8,028.00	\$16,055.00	\$0.00	\$184,637.00
GREENVILLE RD-02	DRIVEWAY #60	PAVEMENT CHANGE	Mill and Overlay	28	10,881.98	\$174,111.68	\$8,706.00	\$17,411.00	\$0.00	\$200,228.00
GREENVILLE RD-03	PAVEMENT CHANGE	NEW HAMPSHIRE SL	Mill and Overlay	28	3,083.92	\$49,342.68	\$2,467.00	\$4,934.00	\$0.00	\$56,744.00
Project Totals:					24,000.52	\$384,008.33	\$19,201.00	\$38,400.00	\$0.00	\$441,609.00

## MASON ROAD 1.79 Miles

MASON RD-04	HORSESHOE DR	OLD TURNPIKE RD	Mill and Overlay	25	10,283.74	\$164,539.77	\$8,227.00	\$16,454.00	\$0.00	\$189,221.00
MASON RD-05	OLD TURNPIKE RD	DRIVEWAY #196	Mill and Overlay	25	6,604.28	\$105,668.53	\$5,283.00	\$10,567.00	\$0.00	\$121,519.00
MASON RD-06	DRIVEWAY #196	BROOKS CROSSING	Mill and Overlay	25	4,447.44	\$71,159.09	\$3,558.00	\$7,116.00	\$0.00	\$81,833.00
MASON RD-07	BROOKS CROSSING	NEW HAMPSHIRE SL	Mill and Overlay	25	4,945.72	\$79,131.59	\$3,957.00	\$7,913.00	\$0.00	\$91,001.00
Project Totals:					26,281.19	\$420,498.99	\$21,025.00	\$42,050.00	\$0.00	\$483,574.00

## TURNPIKE ROAD 1.53 Miles

TURNPIKE RD-01	MAIN ST	WHITCOMB ST	Mill and Overlay	30	2,967.17	\$47,474.71	\$2,374.00	\$4,747.00	\$0.00	\$54,596.00
TURNPIKE RD-02	WHITCOMB ST	TURNPIKE TER	Mill and Overlay	30	1,070.82	\$17,133.05	\$857.00	\$1,713.00	\$0.00	\$19,703.00
TURNPIKE RD-03	TURNPIKE TER	EAST MAN TER	Mill and Overlay	30	2,246.51	\$35,944.12	\$1,797.00	\$3,594.00	\$0.00	\$41,336.00
TURNPIKE RD-04	EASTMAN ST	PAVEMENT CHANGE	Mill and Overlay	30	3,393.38	\$54,294.02	\$2,715.00	\$5,429.00	\$0.00	\$62,438.00
TURNPIKE RD-05	PAVEMENT CHANGE	BARKER HILL RD	Mill and Overlay	30	8,551.71	\$136,827.37	\$6,841.00	\$13,683.00	\$0.00	\$157,351.00
TURNPIKE RD-06	BARKER HILL RD	DUDLEY RD	Mill and Overlay	30	8,677.33	\$138,837.35	\$6,942.00	\$13,884.00	\$0.00	\$159,663.00

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DRAFT - 4/1/2019				Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
				Project Totals:		26,906.91	\$430,510.61	\$21,526.00	\$43,050.00	\$0.00	\$495,087.00
CROSS STREET				0.23 Miles							
CROSS ST-01	BROOKLINE ST	KIMPLEN CT	Shlm and Overlay	22	1,635.88	\$19,630.55	\$982.00	\$1,963.00	\$0.00	\$22,575.00	
CROSS ST-02	KIMPLEN CT	SMITH ST	Shlm and Overlay	22	1,348.36	\$16,180.34	\$809.00	\$1,618.00	\$0.00	\$18,607.00	
				Project Totals:		2,984.24	\$35,810.89	\$1,791.00	\$3,581.00	\$0.00	\$41,182.00
SMITH STREET				0.36 Miles							
SMITH ST-01	BROOKLINE ST	CROSS ST	Shlm and Overlay	22	2,498.55	\$29,982.59	\$1,499.00	\$2,998.00	\$0.00	\$34,480.00	
SMITH ST-02	CROSS ST	HIGHLAND ST	Shlm and Overlay	22	2,114.67	\$25,375.98	\$1,269.00	\$2,538.00	\$0.00	\$29,182.00	
				Project Totals:		4,613.21	\$55,358.58	\$2,768.00	\$5,536.00	\$0.00	\$63,662.00
				Funding Total:		87,583.05	\$1,370,938.9	\$68,549.00	\$137,092.00	\$0.00	\$1,576,578.00
Pavement Management Fund											
DUDLEY ROAD											
				0.88 Miles							
DUDLEY RD-01	MASON RD	DRIVEWAY #241	Crack Seal	24	3,284.87	\$1,642.43	\$0.00	\$0.00	\$0.00	\$1,642.00	
DUDLEY RD-02	DRIVEWAY #241	OLD TURNPIKE RD	Crack Seal	24	3,205.17	\$1,602.59	\$0.00	\$0.00	\$0.00	\$1,603.00	
DUDLEY RD-03	OLD TURNPIKE RD	BARKER HILL RD	Crack Seal	24	5,913.83	\$2,956.92	\$0.00	\$0.00	\$0.00	\$2,957.00	
				Project Totals:		12,403.87	\$6,201.94	\$0.00	\$0.00	\$0.00	\$6,202.00
HAYNES ROAD				1.81 Miles							
HAYNES RD-01	WALLACE HILL RD	HOG HILL RD	Crack Seal	20	6,807.36	\$3,403.68	\$0.00	\$0.00	\$0.00	\$3,404.00	
HAYNES RD-02	HOG HILL RD	WEST ST	Crack Seal	20	7,166.15	\$3,583.08	\$0.00	\$0.00	\$0.00	\$3,583.00	
HAYNES RD-03	WEST ST	GRANITE RD	Crack Seal	20	1,510.28	\$755.14	\$0.00	\$0.00	\$0.00	\$755.00	
HAYNES RD-04	GRANITE RD	PEPPERELL TL	Crack Seal	20	5,714.40	\$2,857.20	\$0.00	\$0.00	\$0.00	\$2,857.00	
				Project Totals:		21,198.20	\$10,599.10	\$0.00	\$0.00	\$0.00	\$10,599.00
SPAULDING STREET				0.67 Miles							
SPAULDING ST-01	MAIN ST	RIPPLE RD	Crack Seal	22	3,323.23	\$1,661.62	\$0.00	\$0.00	\$0.00	\$1,662.00	
SPAULDING ST-02	RIPPLE RD	FORDWAY RD	Crack Seal	22	1,112.77	\$556.38	\$0.00	\$0.00	\$0.00	\$556.00	
SPAULDING ST-03	FORDWAY RD	WALLACE HILL RD	Crack Seal	22	4,187.93	\$2,093.96	\$0.00	\$0.00	\$0.00	\$2,094.00	
				Project Totals:		8,623.93	\$4,311.97	\$0.00	\$0.00	\$0.00	\$4,312.00
WALLACE HILL ROAD				1.67 Miles							
WALLACE HILL RD-02	HAYNES RD	DRIVEWAY #145	Crack Seal	28	7,097.80	\$3,548.90	\$0.00	\$0.00	\$0.00	\$3,549.00	
WALLACE HILL RD-03	DRIVEWAY #145	DRIVEWAY #153	Crack Seal	28	1,923.66	\$961.83	\$0.00	\$0.00	\$0.00	\$962.00	
WALLACE HILL RD-04	DRIVEWAY #153	HIGHLAND ST	Crack Seal	28	5,269.01	\$2,634.51	\$0.00	\$0.00	\$0.00	\$2,635.00	
WALLACE HILL RD-05	HIGHLAND ST	BROWN RD	Crack Seal	28	8,250.31	\$4,125.16	\$0.00	\$0.00	\$0.00	\$4,125.00	
WALLACE HILL RD-06	BROWN RD	WARNER RD	Crack Seal	28	2,640.78	\$1,320.39	\$0.00	\$0.00	\$0.00	\$1,320.00	
WALLACE HILL RD-07	WARNER RD	MEADOW RD	Crack Seal	28	2,219.46	\$1,109.73	\$0.00	\$0.00	\$0.00	\$1,110.00	
				Project Totals:		27,401.03	\$13,700.52	\$0.00	\$0.00	\$0.00	\$13,701.00

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			Repair Type	Width	Square Yards	Repair	Police	Contingency	Supplemental	Total
<b>EDWARD ROAD</b>			0.63 Miles							
EDWARD RD-01	MAIN ST	EDWARD RD-02	Reclamation	23	3,250.22	\$78,005.39	\$3,900.00	\$7,801.00	\$0.00	\$89,706.00
EDWARD RD-02	EDWARD RD-03	CUL DE SAC	Reclamation	23	600.28	\$14,406.75	\$720.00	\$1,441.00	\$0.00	\$16,568.00
EDWARD RD-03	EDWARD RD-01	TODD DR	Reclamation	22	1,038.29	\$24,918.91	\$1,246.00	\$2,492.00	\$0.00	\$28,657.00
EDWARD RD-04	TODD DR	TODD DR	Reclamation	23	3,543.26	\$85,038.24	\$4,252.00	\$8,504.00	\$0.00	\$97,794.00
Project Totals:					8,432.05	\$202,369.29	\$10,118.00	\$20,238.00	\$0.00	\$232,725.00
<b>PROCTOR ROAD</b>			0.83 Miles							
PROCTOR RD-01	SPAULDING ST	TODD DR	Reclamation	30	3,999.65	\$95,991.52	\$4,800.00	\$9,599.00	\$0.00	\$110,390.00
PROCTOR RD-02	TODD DR	PEPPERELL TL	Reclamation	30	10,671.43	\$256,114.36	\$12,806.00	\$25,611.00	\$0.00	\$294,532.00
Project Totals:					14,671.08	\$352,105.87	\$17,606.00	\$35,210.00	\$0.00	\$404,922.00
<b>TODD DRIVE</b>			0.30 Miles							
TODD DR-01	EDWARD RD	EDWARD RD	Reclamation	25	3,125.42	\$75,010.01	\$3,751.00	\$7,501.00	\$0.00	\$86,262.00
TODD DR-02	EDWARD RD	PROCTOR RD	Reclamation	25	1,310.64	\$31,455.38	\$1,573.00	\$3,146.00	\$0.00	\$36,174.00
Project Totals:					4,436.06	\$106,465.39	\$5,324.00	\$10,647.00	\$0.00	\$122,436.00
<b>BARKER HILL ROAD</b>			1.77 Miles							
BARKER HILL RD-02	DUDLEY RD	NEW HAMPSHIRE SL	Surface Treatment	18	18,718.80	\$159,109.81	\$7,955.00	\$15,911.00	\$0.00	\$182,976.00
Project Totals:					18,718.80	\$159,109.81	\$7,955.00	\$15,911.00	\$0.00	\$182,976.00
Funding Total:					115,885.03	\$854,863.89	\$41,003.00	\$82,006.00	\$0.00	\$977,873.00
Year Total:					203,468.08	\$2,225,802.8	\$109,552.00	\$219,098.00	\$0.00	\$2,554,451.00
Total:					643,741.48	\$6,704,287.7	\$330,262.00	\$660,518.00	\$0.00	\$7,695,065.00

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## Quote for Townsend Water Department

Attention: Paul Rafuse

May 6, 2019

### Recommended solution: \$565.00/month

#### Includes:

- Managed Hybrid BDR Solution with HaaS for up to 1TB of used disk space and 1 year data retention. No long term contract.
- Backups monitored for successful backup on a daily basis.
- All labor relating to monitoring, managing, maintaining, configuring, and restores is included.
- Backup failures addressed within 3 days.
- Virtualization of backups tested at least monthly to verify recoverability.

### Alternative solution #1: \$545.00/month

#### Includes:

- Managed Hybrid BDR Solution with HaaS for up to 1TB of used disk space and 1 year data retention. 5 year contract.
- Backups monitored for successful backup on a daily basis.
- All labor relating to monitoring, managing, maintaining, configuring, and restores is included.
- Backup failures addressed within 3 days.
- Virtualization of backups tested at least monthly to verify recoverability.

#### Suggested Add-ons for the recommended service:

- Managed Antivirus Service with SaaS (Software as a Service) \$10/month/workstation
- Enhanced Managed Antivirus Service with SaaS (Software as a Service) \$15/month/workstation
- Managed Spam and Virus Filtering of Email (single email domain) \$3/month/mailbox
- Cyber Security Awareness Training for up to 20 employees \$30/month
- Managed Firewall Service with HaaS (Hardware as a Service) \$95/month
- Infinite data retention available for an additional \$65.00/month (a onetime \$900 conversion fee is required if changed after 45 days of signing up)

18395  
336 months





## Description and Pricing of Services (all prices are monthly charges)

### CIO (Chief Information Officer) Service

\$15.00/Company

- Available to attend quarterly board meetings or planning sessions to assist with tailoring Information Technology (IT) to meet the needs of the business.
- Provide recommendations to avoid buying ineffective IT products and services.
- Provide recommendations for IT products and services that will benefit the business.
- Provide advice comparing cloud vs. on-prem vs. hybrid solutions, and the benefits / drawbacks of each.

### Cyber Security Awareness Training for up to 20 Employees

\$30.00/Company

- Annual Training
- Weekly Micro Trainings
- Monthly Security Newsletters
- Simulated Phishing Attacks
- Security Policies
- Annual Security Risk Assessment
- Documentation Portal
- Dark Web Breach Assessment
- Employee Vulnerability Assessment
- Packages sized for more employees are also available (ask for pricing)

### Hosted Exchange Server

\$50.00 Minimum Charge  
\$13.95/Mailbox

- Internet based so you can access your email from anywhere.
- Receive your emails on your smart phone (iPhone or Android phone).
- Use Outlook as your email client for full functionality.
- Spam filter included – averages 99% effectiveness to reduce clutter in your mailbox.
- Virus filter included to block most viruses that are transmitted by email.
- Phishing filter included that blocks most phishing and spear phishing emails.
- Two factor authentication available on management console to prevent unauthorized access to your email.

## Managed Online Backup

\$150.00/TB of cloud storage

- Can be split between multiple computers.
- File based backup client software included.
- All labor for backup installation included.
- All labor for restoration of files included.
- All labor for backup monitoring and maintenance included.
- Service ticket automatically generated upon backup failure.
- Service ticket automatically generated after 3 days without successful backup.
- Backup client upgrades, when they become available, are included.
- Backups are encrypted while in transit over the internet.
- Backups can be further encrypted at rest (in cloud).

## Hybrid Option for Backup (add-on to Managed Online Backup)

\$20.00/Site

- Local backup provides fast recovery of large files.
- Cloud backup provides a safety net in case the local backup gets corrupted – such as in a ransomware attack.
- The hardware required for this service will be provided via the HaaS model and will remain the property of Unified System, Inc.
- If the customer provides the required hardware for this add-on, the price for this add-on will be reduced to \$2.00 per computer being backed up.

## Image Based Backup (add to Hybrid Option for Managed Online Backup)

\$50.00/Workstation

\$66.00/Server

- This is a SaaS (Software as a Service) add-on to the Hybrid Option for Backup
- Provides the ability to restore an entire computer, including data, operating system, and applications.
- Provides the ability to do single file restores.
- Backups are encrypted to comply with various privacy regulations (HIPAA, MA 201 CMR 17, PCI, Etc.)
- Backups can be converted to virtual disks to enable running the computer as a virtual machine (VM) on a VM host computer.



**Managed Antivirus Service with SaaS (Software as a Service)**

\$10.00/Workstation

\$20.00/Server

- Behavior based detection detects unknown viruses.
- Detects and blocks the latest trend in hacking – fileless attacks – that others can't.
- No definitions to be downloaded daily.
- Monitored 24/7 in our partner's Network Operations Center (NOC).
- Has the capability, in many cases, to roll back ransomware encryption so you don't have to pay the ransom to get your data back.
- Virus detection capability is not diminished, even if the computer is offline for a week, even though thousands of new malware variants have been released onto the internet.
- Labor for virus removal (if needed) is included (except if operating system or applications are unpatched or unsupported by their manufacturer).

**Enhanced Managed Antivirus Service with SaaS (Software as a Service)**

\$15.00/Workstation

\$30.00/Server

- Includes all features of Managed Antivirus Service with SaaS
- Communicates malware information to and from Managed Firewall Service with HaaS to better protect network and its associated systems.

**Managed Firewall Service with HaaS (Hardware as a Service)**

\$95.00/Site

- One firewall/UTM (Unified Threat Management) device provided by Unified System, Inc.
- Firewall/UTM remains the property of Unified System, Inc.
- Licensing for gateway antivirus is included.
- Licensing for UTM based intrusion protection system is included.
- Licensing for UTM based content filtering is included.
- Firewall/UTM firmware/operating system is kept up to date to protect against the latest threats.
- Licensing for gateway antivirus is included.
- All labor to install, configure, manage, and maintain the firewall/UTM is included.
- Virtual Private Network (VPN) capability is included.
- Firewall/UTM is replaced at no extra charge when it becomes obsolete.
- Can communicate malware information to and from Enhanced Managed Antivirus Service with SaaS to provide better protection against malware infections.
- Requires at least 1 static IP address from your ISP for remote management and VPN connectivity.



**Managed Spam and Virus Filtering of Email (single email domain)**

**\$50.00 Minimum Charge  
\$3.00/Mailbox**

- Blocks an average of 99% of all spam.
- Blocks most viruses that are transmitted by email.
- Blocks most phishing and spear phishing emails.
- Spam definitions updated over 1000 times a day to block the spam that normally gets through the other guys' spam filters.
- Additional users can be added or removed at any time.
- Two factor authentication available on management console to prevent unauthorized access to your email.
- Users can release their own email from quarantine without help from support.
- All labor for this service is included (Setup and managing spam filter users, quarantine, white lists, and black lists)

**Managed Workstation Service with HaaS (Hardware as a Service)**

**\$145.00/Computer**

- Computer is provided by Unified System, Inc.
- Computer remains the property of Unified System, Inc.
- Computer is upgraded/replaced before it reaches the age of 5 years, or earlier if needed.
- Computer always has a current operating system on it.
- Includes all the features of the Managed Workstation Service
- The cost of any hardware required to repair the computer is included

**Managed Workstation Service**

**\$95.00/Computer**

- Includes Patch Management for Microsoft Operating Systems and Microsoft Applications
- Includes Managed Antivirus Service with SaaS (Software as a Service)
- Includes Vendor Liaison Service
- If the computer is more than 5 years old, a \$15 surcharge is added to cover the additional labor typically required for older computers.
- Includes all labor required to maintain or repair the computer (hardware is not included).
- Unlimited helpdesk support is included. (Customer must maintain a support contract for each LOB (Line of Business) application from the application vendor or its authorized support agent.)
- Weekly health reports.
- Weekly tune-up is performed on the computer.

**Patch Management for MS Operating Systems and MS Applications**

**\$25.00/Computer**

- Weekly health reports show patch status.
- Operating System (O/S) security patches automatically installed to keep the system secure.
- O/S updates installed automatically installed to keep the system up to date with the latest features and repair bugs.
- Microsoft Application security patches installed automatically to keep the system secure.
- Microsoft Application updates installed to keeps the applications up to date with the latest features and fix any known bugs in the applications.



**Vendor Liaison Service**

**\$20.00**

- Provides a single point of contact for all your technology issues.
- Alleviates the finger pointing between vendors.
- Since we speak "Geek", we can translate what the other vendor's tech says into normal English and vice versa for faster resolution of your issue.

**Additional services are also available**



Cameron Enterprises, Inc.  
d/b/a CEI Systems & Technologies



3.11  
31 Merrill Rd  
Goffstown, NH 03045  
(603) 471-1896  
[pc@ceisystems.com](mailto:pc@ceisystems.com)

05/02/2019

Paul Rafuse  
Townsend Water Department  
540 Main Street  
Townsend, MA 01474

Paul,

It was a pleasure talking with you this morning. Below is everything we spoke of today and the prices for the services if monthly and for the hardware and or labor if 1time.

#### Monthly Maintenance Line Items

Qty	Item Description	Per Month Price	Net Amount
1	Ctera EC200 Cloud Gateway Device & License – 36 month Contract	\$ 120.00	\$ 120.00
	Onsite & Remote Backup Disaster Recovery		
4	Computers –receiving the following protection:	\$ 35.00	\$ 140.00
	Windows Patches & Security Updates		
	3 <sup>rd</sup> Party Patches & Security Updates (ie: Adobe, Java, etc.)		
	Cyber Security Endpoint Management & Protection		
	Remote Management & Support		
1	Sophos XG 115 Firewall / Router / VPN – 36 Month Contract	\$ 76.00	76.00

#### One -Time Hardware Purchase

Qty	Item Description	Price	Net Amount
1	Araknis 110 16 Port Switch	\$ 239.95	\$ 239.95
4	Ctera Backup Setup & Config per workstation	\$ 65.00	\$ 260.00
2	Enterprise Class 4 TB Hard Disk	\$ 250.00	\$ 500.00
1	2 TB NAS (Network Addressable Storage) file storage for each of the workstations to save their data to. To replace your existing File Storage.	\$ 289.00	\$ 289.00

Thank you for the Opportunity,

PAT CAMERON  
[pc@ceisystems.com](mailto:pc@ceisystems.com)  
(603) 471-1896

6.4

**FISCAL YEAR 19 SUMMARY**  
**TOWNSEND WATER DEPARTMENT - ACCOUNTS RECEIVABLE**  
**April 30, 2019**

UNCOLLECTED FROM JUNE 30, 2018

\$ 92,570.11

<u>CHARGED</u>	<u>07/01/18 04/30/19</u>	<u>4/30/2019</u>	<u>Previous Balance</u>	<u>Total</u>
USER CHARGES		208,602.66	772,667.29	981,269.95
SERVICE CHARGES		6,767.93	22,379.84	29,147.77
CONNECTION CHARGES		0.00	10,000.00	10,000.00
LATE CHARGES		1,207.73	14,842.71	16,050.44
BACKFLOW		5,050.00	4,100.00	9,150.00
SUBTOTAL		<b>221,628.32</b>		
TOTAL CHARGES				<u>1,045,618.16</u> <u>1,138,188.27</u>

<u>RECEIVED</u>	<u>07/01/17 04/30/19</u>	<u>4/30/2019</u>		
USER CHARGES		149,004.27	770,199.07	919,203.34
SERVICE CHARGES		6,317.45	22,619.28	28,936.73
CONNECTION CHARGES		0.00	10,000.00	10,000.00
LATE CHARGES		1,380.69	13,858.87	15,239.56
BACKFLOW		4,199.53	4,157.34	8,356.87
SUBTOTAL		<b>160,901.94</b>		
TOTAL RECEIPTS				981,736.50

SENT TO LIEN	15,941.66
LIENS COLLECTED	
ABATEMENTS	-966.22
ADJUSTMENTS	1,522.26
AJD TO MASTER	
UNCOLLECTED	<u>139,954.07</u>
	\$ <u>1,138,188.27</u>

<b><u>OUTSTANDING:</u></b>	
USER CHARGES	\$ 130,898.03
SERVICE CHARGES	2,413.44
CONNECTION CHARGES	0.00
LATE CHARGES	5,839.81
BACKFLOW	802.79
TOTAL OUTSTANDING	\$ 139,954.07