

September 26, 2019

TOWN OF MANCHESTER BY THE SEA, MASSACHUSETTS

DOCUMENTS AND SPECIFICATIONS FOR THE  
CONSTRUCTION OF THE

HEATING SYSTEM REPLACEMENT

CONTRACT NO. 2018-5

ADDENDUM NO. 1



The following additions and/or alterations to the plans and specifications for the above-referenced contract are to be incorporated into all general bids for the proposed work.

Inclusion of this Addendum must be acknowledged by inserting the addendum number and date on Page 00300-1 of the specification section entitled "FORM FOR GENERAL BID" AND Page 00305-1 of the respective "FORM FOR SUB-BID." Failure to acknowledge any and all addenda in the above specified specification section may be cause for rejection of the bid by the OWNER on the grounds that it is not responsive to the "INSTRUCTIONS TO BIDDERS."

September 26, 2019

Addendum No. 1

Job No. 5621

The pre-bid meeting was held on September 25, 2019 and opened at 10:00 am at the Gravelly Pond Water Treatment Facility. Representing the Town was Nathan Desrosiers, Town Engineer and Facilities Manager, Todd Mason from MTE Engineering and Allison Shivers from Tata & Howard, Inc. Mr. Mason opened the meeting and explained the scope of the project at each facility and project time frame. It was then asked if the attendees had any technical questions. Questions and answers from the meeting are listed in the section below. Ms. Shivers suggested that anyone that had additional questions after the meeting could call or e-mail Tata & Howard, Inc.

Attendees of the pre-bid meeting:

- J.C. Cannistraro, LLC
- Ambient Temperature Corp.

### QUESTIONS

- Q1. During construction in Town Hall will the building be fully occupied?  
A1. Yes, the building will be occupied during regular working hours. The Town Hall is closed on Fridays but does still have some staff in the building.
- Q2. What type of ceilings are in the Town Hall?  
A2. There is a variety of ceilings including spline and drop ceilings
- Q3. Will the work include exposed piping or hidden piping in ceilings?  
A3. The Town would like to try to hide all piping in the ceiling
- Q4. Who is responsible for general conditions? Removing and Replacing Ceiling?  
A4. The general contractor will be responsible for general conditions and removal and replacement of the ceilings.
- Q5. Will the General Contractor be responsible for all general conditions, including cutting and patching and excavation of the piping between the Wastewater Treatment building and Headworks Building?  
A5. Yes, the General Contractor will be responsible for all general conditions work.
- Q6. Do the unit prices include labor and materials?  
Q7. Yes, unit prices include both labor and materials.

### SPECIFICATIONS

1. Reference Specification Section 00300 BID FORM FOR GENERAL BID, delete section in its entirety and replace with the attached Section 00300R BID FORM FOR GENERAL BID pages.
2. Reference Specification Section 00305 FORM FOR SUB BID ELECTRICAL, delete section in its entirety and replace with the attached Section 00305R FORM FOR SUB BID ELECTRICAL pages.
3. Reference Specification Section 01025 MEASUREMENT AND PAYMENT, delete section in its entirety and replace with the attached Section 01025 MEASUREMENT AND PAYMENT pages.

SECTION 00300R

BID FORM FOR GENERAL BID

The bid of \_\_\_\_\_ (hereinafter called "Bidder") organized and existing under the laws of the State of \_\_\_\_\_ doing business as \_\_\_\_\_ (Insert "corporation", "partnership," or "individual," as applicable)

Town of Manchester by the Sea (hereinafter called "OWNER")

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all work for the Heating System Replacement project, Contract No. 2018-5 in strict accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. By submission of this Bid Form, each Bidder certifies, and in the case of a joint Bid, each party thereto certifies as to his own organization, that this Bid Form has been arrived at independently, without consultation communication, or agreement, as to any matter relating to this Bid Form with any other Bidder or with any competitor. Bidder hereby agrees to commence work under this contract on or before a date to be specified in the Notice To Proceed. Bidder hereby agrees to fully complete the work at the Wastewater Treatment Plant within 120 consecutive calendar days, and fully complete the work of the Water Treatment Plant and the DPW Garage within 150 consecutive calendar days, and fully complete the work of the Town Hall Additive Alternates No. A1 and A2 within 240 consecutive calendar days, and to fully complete the work of the Town Hall Additive Alternates No. A3 and A4 within 270 consecutive calendar days thereafter. Bidder further agrees to pay as liquidated damages, the sum of \$1,300 for each consecutive calendar day thereafter.

To the Awarding Authority:

The undersigned proposes to furnish all labor and materials required for the Heating System Replacement project, Contract No. 2018-5, in accordance with the accompanying Contract Documents dated, September 2019, prepared by Tata & Howard, Inc., for the Proposed Contract Price specified below, subject to additions and deductions according to the terms of the Contract Documents.

Bidder acknowledges receipt of the following Addenda:

Table with 8 columns: Addendum #, blank, Dated, blank, Addendum #, blank, Dated, blank. Two rows.

The following bid items are defined in the Contract Documents and the unit prices and extensions shall be completed in ink or typewritten. All unit prices must be entered in both words and figures and extended by the bidder. In cases of discrepancy between words and figures, the amount shown in words will govern. In case there is a discrepancy between the total amount of bid and the correct extension and sum of the amounts for each bid item, the unit prices and their correct extension will govern.

The unit and lump sum prices shall include all labor, equipment, materials, overhead, profit, insurance, bond, etc. to cover the finished work of the several kinds called for.

The bidder's attention is directed to the fact that information relative to existing structures, piping or buried cables, apparent and latent conditions and natural phenomena as furnished to him in the Contract Documents, carries no guarantee expressed or implied as to its completeness or accuracy and he has made all due allowance therefore.

The bidder understands that the quantities of work tabulated in this Form for General Bid or indicated in the Contract Documents are only approximate and are subject to increase or decrease.

The total bid price for the Contract, correctly calculated in this Section is to be used for the comparison of bids to determine the Apparent Low Bidder.

The following unit prices as defined in the Contract Documents are designated for items of work on the basis of quantities estimated by the Engineer. The unit or lump sum price shall be entered in both words and figures in the appropriate space for each item description. Actual payment for unit price items will be for actual quantity of each item, approved by the Engineer, at the unit price bid.

THE PROPOSED CONTRACT PRICE BEING THE SUM OF ITEMS 1 THRU 11 FOR BASIS OF AWARD, FOR COMPARISON OF BIDS IS (BASE BID):

\_\_\_\_\_ Dollars  
 (Words)  
 (\$ \_\_\_\_\_)  
 (Figures)

The subdivision of the Proposed Contract Price is as follows:

<u>ITEM NO</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM DESCRIPTION AND UNIT AND LUMP SUM PRICES IN WORDS</u>	<u>UNIT PRICES DOLLARS/CENTS IN FIGURES</u>	<u>EXTENDED AMOUNT DOLLARS/CENTS IN FIGURES</u>
1	LS	Clean, Service, and Inspection of Heating System -WWTP  _____	\$ _____	\$ _____
		Lump Sum in Words		
2	LS	Clean, Service, and Inspection of Heating System -WTP  _____	\$ _____	\$ _____
		Lump Sum in Words		
3	LS	DPW Garage Heating System Improvements  _____	\$ _____	\$ _____
		Lump Sum in Words		

<u>ITEM NO</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM DESCRIPTION AND UNIT AND LUMP SUM PRICES IN WORDS</u>	<u>UNIT PRICES DOLLARS/CENTS IN FIGURES</u>	<u>EXTENDED AMOUNT DOLLARS/CENTS IN FIGURES</u>
4	26	Unit Heater  _____	\$ _____	\$ _____
		Per Each in Words		
5	1	Cabinet Unit Heater  _____	\$ _____	\$ _____
		Per Each in Words		
6	4	Hot Water Coils  _____	\$ _____	\$ _____
		Per Each in Words		
7	27	Wall Mounted Thermostats  _____	\$ _____	\$ _____
		Per Each in Words		
8	1	Air Handling Unit  _____	\$ _____	\$ _____
		Per Each in Words		
9	50 LF	Insulation  _____	\$ _____	\$ _____
		Per Linear Foot in Words		
10	50 LF	Supply/Return Piping  _____	\$ _____	\$ _____
		Per Linear Foot in Words		

Item 11. (Work of the Sub-Bidder)

Division or Section	Name of Sub-Bidder	Sub-Bid Amount	Bond Req'd? Yes or No
Section 16 Electrical		\$	

The total of Item 11 (Work of the Sub-Bidder), including all work other than that covered by Item 1 thru 10 is:

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

**ADD ALTERNATE BID ITEMS**

ADD ALTERNATE A1. - TOWN HALL HEATING AND VENTILATION SYSTEM IMPROVEMENTS – HP1, HP3, HP4, HP5

<u>ITEM NO</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM DESCRIPTION AND UNIT AND LUMP SUM PRICES IN WORDS</u>	<u>UNIT PRICES DOLLARS/CENTS IN FIGURES</u>	<u>EXTENDED AMOUNT DOLLARS/CENTS IN FIGURES</u>
1	LS	Town Hall Heating and Ventilation System Improvements – HP1, HP3, HP4, HP5		
		_____	\$ _____	\$ _____

Item 2 . (Work of the Sub-Bidder) -Town Hall Heating and Ventilation System Improvements – HP1, HP3, HP4, HP5

Division or Section	Name of Sub-Bidder	Sub-Bid Amount	Bond Req'd? Yes or No
Section 16 Electrical		\$	

TOTAL AMOUNT OF ALTERNATE BID ITEM NO. A1

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

TOTAL AMOUNT OF BASE BID AND ALTERNATE BID ITEM NO. A1

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

ADD ALTERNATE A2. - TOWN HALL HEATING SYSTEM IMPROVEMENTS - HP2

<u>ITEM NO</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM DESCRIPTION AND UNIT AND LUMP SUM PRICES IN WORDS</u>	<u>UNIT PRICES DOLLARS/CENTS IN FIGURES</u>	<u>EXTENDED AMOUNT DOLLARS/CENTS IN FIGURES</u>
1	LS	Town Hall Heating System Improvements – HP2  _____	\$ _____	\$ _____

Item 2. (Work of the Sub-Bidder) -Town Hall Heating and Ventilation System Improvements – HP2

Division or Section	Name of Sub-Bidder	Sub-Bid Amount	Bond Req'd? Yes or No
Section 16 Electrical		\$ _____	

TOTAL AMOUNT OF ALTERNATE BID ITEM NO. A2

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

TOTAL AMOUNT OF BASE BID, ALTERNATE BID ITEM A1, AND ALTERNATE BID ITEM NO. A2

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

ADD ALTERNATE A3. - TOWN HALL VENTILATION SYSTEM

<u>ITEM NO</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM DESCRIPTION AND UNIT AND LUMP SUM PRICES IN WORDS</u>	<u>UNIT PRICES DOLLARS/CENTS IN FIGURES</u>	<u>EXTENDED AMOUNT DOLLARS/CENTS IN FIGURES</u>
1	LS	Town Hall Ventilation System Improvements  _____	\$ _____	\$ _____

TOTAL AMOUNT OF ALTERNATE BID ITEM NO. A3

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

TOTAL AMOUNT OF BASE BID, ALTERNATE BID ITEM A1, ALTERNATE BID ITEM NO. A2, AND ALTERNATE BID ITEM NO. A3

\_\_\_\_\_ Dollars  
(Words)

(\$ \_\_\_\_\_) (Figures)

\*Add Alternate Bid Items are included at the request of the OWNER, which may be accepted depending on price and funds available. The value provided for Add Alternate Bid Items will not be considered when determining low bidder.



The undersigned agrees that each of the above name sub-bidders will be used for the work indicated at the amount stated, unless a substitution is made.

The undersigned agrees that if he is selected as general contractor, he will promptly confer with the Awarding Authority on the question of sub-bidders; and that the Awarding Authority may substitute for any sub-bid listed above a sub-bid filed with the Awarding Authority by another sub-bidder for the sub-trade against whose standing and ability the undersigned makes no objection; and that the undersigned will use all such finally selected sub-bidders at the amounts named in their respective sub-bids and be in every way as responsible for them and their work as if they had been originally named in this general bid, the total contract price being adjusted to conform thereto.

E. The undersigned agrees that, if he is selected as general contractor, he will within five days, Saturdays, Sundays, and legal holidays excluded, after presentation thereof by the awarding authority, execute a contract in accordance with the terms of this bid and furnish a performance bond and also a labor and materials or payment bond, each of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the Awarding Authority and each in the sum of the contract price, the premiums for which are to be paid by the general contractor and are included in the contract price; provided, however that if there is more than 1 surety company, the surety companies shall be jointly and severally liable.

The undersigned hereby certified that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee, and that he will comply fully with all laws and regulations applicable to awards made subject to section 44A.

Bidder understands that Owner reserves the right to reject any or all bids, to waive any informalities in the bidding or to reduce the scope of the Work to stay within budget restraints. Bid security in the form of a bid bond, cash, certified check, treasurer's or cashier's check payable to Owner, in a dollar amount of five percent (5%) of the total bid, in accordance with the conditions in the Instructions to Bidders, has been attached to this bid. Bidder may not withdraw his bid within 30 days (Saturdays, Sundays, and legal holidays excluded) after the actual date of the opening of the General Bids.

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within five (5) days (Saturdays, Sundays, and legal holidays excluded) and deliver a Surety Bond or Bonds as required by ARTICLE 6 of the General Conditions. The Bid Security attached is to become the property of Owner, in the event the Contract and Bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of Section twenty-nine (29) F of Chapter twenty-nine (29) or any other applicable debarment provisions of any other Chapter of the General Law or any rule or regulation promulgated thereunder M.G.L. c.149, ss. 44E(2) and 44F(2). Pursuant to MGL 62C, Section 49A, I certify under the penalties of perjury that I, to my best knowledge and belief, have filed all State Tax Returns and paid all State Taxes required under Massachusetts General Laws.

If the Bidder is a corporation, indicate State of incorporation, and affix corporate seal.

_____	By: _____
(Name of Bidder)	(Name of Person Signing Bid and Title)
_____	_____
(Business Address)	(Title)
_____	_____
(City and State)	(Date)

Bidders shall submit the following with their bid:

1. DCAM Certificate of Eligibility
2. Bid Bond
3. Certificate of Non-Collusion
4. Certificate of Tax Compliance

Failure to submit the Bid Bond and the DCAM Certificate of Eligibility with the Bid Form shall be cause for rejection of the Bid Form.

END OF SECTION

SECTION 00305R  
FORM FOR SUB-BID  
ELECTRICAL

TO: ALL GENERAL BIDDERS EXCEPT THOSE EXCLUDED:

A. Base Bid

The undersigned proposes to furnish all labor and materials required for completing the Base Bid Work, in accordance with the hereinafter described Contract Documents, all the work specified in Section 16000 entitled ELECTRICAL FILED SUB-BIDS, and any plans specified in such Sections, prepared by Tata & Howard, Inc., 67 Forest Street, Marlborough, Massachusetts, for the Construction of the Heating System Replacement, Contract No. 2018-5, dated September 2019, for the Town of Manchester-by-the-Sea, Massachusetts, for the Contract Sum of,

\_\_\_\_\_ Dollars  
(Figures)

(\$ \_\_\_\_\_).

B. Add Alternate – A1, Item 2

The undersigned proposes to furnish all labor and materials required for completing the Add Alternate Work – Town Hall Heating and Ventilation System Improvements – HP1, HP3, HP4, HP5, in accordance with the hereinafter described Contract Documents, all the work specified in Section 16000 entitled ELECTRICAL FILED SUB-BIDS, and any plans specified in such Sections, prepared by Tata & Howard, Inc., 67 Forest Street, Marlborough, Massachusetts, for the Construction of the Heating System Replacement, Contract No. 2018-5, dated September 2019, for the Town of Manchester-by-the-Sea, Massachusetts, for the Contract Sum of,

\_\_\_\_\_ Dollars  
(Figures)

(\$ \_\_\_\_\_).

C. Add Alternate – A2, Item 2

The undersigned proposes to furnish all labor and materials required for completing the Add Alternate Work – Town Hall Heating System Improvements – HP2, in accordance with the hereinafter described Contract Documents, all the work specified in Section 16000 entitled ELECTRICAL FILED SUB-BIDS, and any plans specified in such Sections, prepared by Tata & Howard, Inc., 67 Forest Street, Marlborough, Massachusetts, for the Construction of the Heating System Replacement, Contract No. 2018-5, dated September 2019, for the Town of Manchester-by-the-Sea, Massachusetts, for the Contract Sum of,

\_\_\_\_\_ Dollars  
(Figures)

(\$ \_\_\_\_\_).

D. This sub-bid includes addenda numbered \_\_\_\_ through \_\_\_\_ inclusive.

E. This sub-bid

( ) may be used by any general bidder except:

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( ) may only be used by the following general bidders:

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(To exclude general bidders, insert "X" in one box only and fill in blank following that box. Do not answer C if no general bidders are excluded.)

F. The undersigned agrees to fully comply with all laws and regulations applicable to awards made under Chapter 149, Section 44F of the Mass. General Laws.

G. The undersigned agrees that, if he is selected as sub-bidder, he will within five days, Saturday, Sundays and legal holidays excluded, after presentation of a subcontract by the general bidder selected as general contractor, execute with such general bidder a subcontract in accordance with the terms of this sub-bid, and contingent upon the execution of the general contract and, if requested so to do in the general bid by such general bidder who shall pay the premiums therefor, furnish a performance and payment bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the awarding authority, in the full sum of the subcontract price.

H. The names of all persons, firms and corporations furnishing to the undersigned labor or labor and materials for the class or classes or part thereof of work for which the provisions of the section of the specifications for this sub-trade require a listing in this paragraph, including the undersigned if customarily furnished by persons on his own payroll and in the absence of a contrary provision in the specifications, the name of each such class of work or part thereof and the bid price for each such class of work or part thereof are:

<u>Name</u>	<u>Class of Work</u>	<u>Bid Price</u>
_____		
_____		
_____		

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(Do not give bid price for any class or part thereof furnished by undersigned).

I. The undersigned agrees that the above list of bids to the undersigned represents bona fide bids based on hereinbefore described plans, specifications and addenda and that, if the undersigned is awarded the contract, they will be used for the work indicated at the amounts stated, if satisfactory to the awarding authority.

J. The undersigned further agrees to be bound to the general contractor by the terms of the hereinbefore described Contract Documents, and to assume toward him all the obligations and responsibilities that he, by those documents, assumes toward the owner.

K. The undersigned offers the following information as evidence of his qualifications to perform the work as bid upon according to all requirements of the Contract Documents:

1. Have been in business under present business name \_\_\_\_\_ years.

2. Ever failed to complete any work awarded? \_\_\_\_\_

3. List one or more recent buildings with names of general contractor and engineer or architect on which you served as subcontractor for work of similar character as required for the above-named building.

(a) Project: \_\_\_\_\_

Engineer or Architect \_\_\_\_\_

General Contractor: \_\_\_\_\_

Amount of Contract: \_\_\_\_\_

(b) Project: \_\_\_\_\_

Engineer or Architect: \_\_\_\_\_

General Contractor: \_\_\_\_\_

Amount of Contract: \_\_\_\_\_

(c) Project: \_\_\_\_\_

Engineer or Architect: \_\_\_\_\_

General Contractor: \_\_\_\_\_

Amount of Contract: \_\_\_\_\_

4. Bank Reference: \_\_\_\_\_  
(Name of Bank)

Bank Representative: \_\_\_\_\_

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

\_\_\_\_\_

Telephone No. \_\_\_\_\_

- L. The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work.
- M. Bid security in the form of a bid bond, cash certified check, treasurer's or cashier's check, payable to the Owner, in a dollar amount of 5 percent of the total bid, in accordance with the conditions in the Instructions To Bidders, has been attached to this bid.
- N. The bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 days, Saturdays, Sundays and legal holidays excluded, after the opening of bids.
- O. The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under the penalties of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of Section 29F of Chapter 29, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.
- P. This bid must bear the written signature of the sub-bidder or an authorized agent of the sub-bidder. If the sub-bidder is a corporation or a partnership, the bid must be signed by a duly authorized officer of such corporation or by a partner and the title of such officer must be stated.

\_\_\_\_\_  
(Name of Sub-bidder)

By: \_\_\_\_\_  
(Name of Person Signing Bid and Title)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(City and State)

\_\_\_\_\_  
(Date)

END OF SECTION

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 DESCRIPTION

- A. The following sub-sections describe the measurement of and payment for the Work to be done under the items listed in the Form for General Bid.
- B. Each lump sum price stated in the Form for General Bid constitutes full compensation as herein specified for each item of work completed in accordance with the Contract Documents, including cleaning up.
- C. The Contractor shall carefully acquaint himself with all work associated with each payment item and shall have no claim for his unfamiliarity with the requirements of various items.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 00300 Form for General Bid
- B. Section 00305 Form for Sub-Bid (Electrical)

1.03 PAYMENT ITEMS

- A. Item No. 1 – Clean, Service, and Inspection of Heating System - WWTP
- B. Item No. 2 – Clean, Service, and Inspection of Heating System – WTP
- C. Item No. 3 – DPW Garage Heating System Improvements
- D. Item No. 4 – Unit Heater
- E. Item No. 5 – Cabinet Unit Heater
- F. Item No. 6 – Hot Water Coils
- G. Item No. 7 – Wall Mounted Thermostat
- H. Item No. 8 – Air Handling Unit
- I. Item No. 9 – Insulation
- J. Item No. 10 – Supply/Return Piping
- K. Item No. 11 – Work of the Sub-Bidders
- L. Item No. A1 - Town Hall Heating and Ventilation System Improvements – HP1, HP3, HP4, HP5
- M. Item No. A2 – Town Hall Heating and Ventilation System Improvements – HP2
- N. Item No. A3 - Town Hall Ventilations System Improvements

PART 2 MEASUREMENT AND PAYMENT

2.01 GENERAL

- A. For accounting purposes, for the Engineer’s convenience and as an aid in determining progress payments and price additions or deductions for Contract modifications, the

Contractor shall furnish to the Engineer a schedule of values per Specification Section 01026 which shall be approved prior to the first application for payment.

- B. The price breakdown schedule shall apportion the total amount of the Contract Price for each separate item among the main features or costs that form the completed Work. The price breakdown shall be in sufficient detail to permit an analysis of all material, labor, equipment, subcontract and overhead costs, as well as profit, and shall cover all work involved for the properly completed item and feature listed.
- C. Any amount claimed for subcontracts shall be supported by a similar schedule of values with the total amount shown by this price under the Contract Price stated in the Form for General Bid.

2.02 ITEM NO. 1 – CLEAN, SERVICE, AND INSPECTION OF HEATING SYSTEM - WWTP

- A. The lump sum price for Item No. 1 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary to clean, service and inspect the WWTP heating system, complete, as required by the Contract Documents. Work shall encompass all work shown on associated plans other than that covered by Item 2 thru 11. Item No. 1 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.

2.03 ITEM NO. 2 – CLEAN, SERVICE, AND INSPECTION OF HEATING SYSTEM – WTP

- A. The lump sum price for Item No. 2 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary to clean, service and inspect the WTP heating system, complete, as required by the Contract Documents. Work shall encompass all work shown on associated plans other than that covered by Item 1 and 3 thru 11. Item No. 2 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.

2.04 ITEM NO. 3 - DPW GARAGE HEATING SYSTEM IMPROVEMENTS

- A. The lump sum price for the DPW Garage Heating System Improvements shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for all Work, complete, as required by the Contract Documents. Work shall encompass all work shown on associated plans other than that covered by Item 1,2 and 4 thru 11. Item No. 3 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.

2.05 ITEM NO. 4 - UNIT HEATER

- A. Payment shall be made at the unit bid price per each under Bid Item No. 4 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of specified unit heaters, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.



2.06 ITEM NO. 5 - CABINET UNIT HEATER

- A. Payment shall be made at the unit bid price per each under Bid Item No. 5 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of specified cabinet unit heaters, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.07 ITEM NO. 6 - HOT WATER COILS

- A. Payment shall be made at the unit bid price per each under Bid Item No. 6 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of specified Hot Water Coils, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.08 ITEM NO. 7 - WALL MOUNTED THERMOSTAT

- A. Payment shall be made at the unit bid price per each under Bid Item No. 7 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of specified wall mounted thermostats, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.09 ITEM NO. 8 - AIR HANDLING UNIT

- A. Payment shall be made at the unit bid price per each under Bid Item No. 8 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of specified air handling unit, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.10 ITEM NO. 9 - INSULATION

- A. Payment shall be made at the unit bid price per linear foot measured under Bid Item No. 9 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of insulation, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.11 ITEM NO. 10 - SUPPLY/RETURN PIPING

- A. Payment shall be made at the unit bid price per linear foot measured under Bid Item No. 10 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for the installation of hot water supply and return piping, complete, as required by the Contract Documents. Shall include any other work which is not specified or shown but is necessary to complete the work.

2.12 ITEM NO. 11 – WORK OF THE SUB-BIDDERS

- A. Payment shall be made at the lump sum price for the subdivisions of Item Bid Item No. 11 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary to provide that portion of the Work required by Division 16 – Electrical of the Contract Documents.

2.13 ITEM NO. A1 – TOWN HALL HEATING SYSTEM IMPROVEMENTS – HP1, HP3, HP4, HP5

- A. Item 1 - The lump sum price for Item No.1 of Add Alternate Bid Item No. A1 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for Town Hall heating system improvements including work associated with units HP1, HP3, HP4, and HP5, complete, as required by the Contract Documents. Item No. 1 of Add Alternate No. A1 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.
- B. Item 2 - Payment shall be made at the lump sum price for the subdivisions of Bid Item No. 2 of Add Alternate Bid Item No. A1 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary to provide that portion of the Work required by Division 16 – Electrical of the Contract Documents.

2.14 ITEM NO. A2 –TOWN HALL HEATING SYSTEM IMPROVEMENTS – HP2

- A. Item 1 - The lump sum price for Item No.1 of Add Alternate Bid Item No. A2 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for Town Hall heating system improvements including work associated with unit HP2, complete, as required by the Contract Documents. Item No. 1 of Add Alternate No. A2 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.
- C. Item 2 - Payment shall be made at the lump sum price for the subdivisions of Bid Item No. 2 of Add Alternate Bid Item No. A2 in the Bid Form. Payment shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary to provide that portion of the Work required by Division 16 – Electrical of the Contract Documents.

2.15 ITEM NO. A3 – TOWN HALL VENTILATION SYSTEM IMPROVEMENTS – HP2

- A. The lump sum price for Item No. A3 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary for Town Hall ventilation system improvements, complete, as required by the Contract Documents. Item No. A3 shall include any other work which is not specified or shown, but is necessary to complete the Work. Payment of the lump sum will be based on physical progress for each activity in accordance with the approved Schedule of Values.

PART 3 EXECUTION (Not Applicable)

END OF SECTION