TOWN OF GLASTONBURY

GL-2020-19

WELLES-TURNER MEMORIAL LIBRARY RENOVATIONS AND ADDITION PROJECT

ADDENDUM NO. 3

10/07/2020

Bid Due Date: **REVISED** October 16th, 2020 @ 11:00 A.M.

The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum on the **Bid Form** (**ATTTACHMENT 1**).

I. Revisions to Specifications

1. Specification Section - Invitation to Bid
   a. – Revise the following Project Schedule:

"Bids for the Project shall be submitted no later than 11:00 A.M. on ***October 16th, 2020***, after which time the bids will be publicly opened. No late bids will be accepted."

2. Specification Section – Instructions to Bidders
   a. – Insert the attached:

   "You are invited to the Town of Glastonbury Online Bid Opening for:
   GL-2020-19 - Welles Turner Memorial Library Renovations and Addition Project
   When: October 16th, 2020 11:00 AM Eastern Time"

   To Join this Meeting Click Here.
   Passcode: 199853

   Phone: 646 558 8656
   ID: 876 8339 2625
   Passcode: 199853

3. Specification Section – Bid Form
   a. – Revise bid form to add unit price #19:
   "500 cu. yd. of unsatisfactory soil excavation and disposal off-site and replacement with satisfactory soil material from off-site, as specified in Section 312000 "Earth Moving."

II. Revisions to Technical Specifications

1. Specification Section 230993 Sequence of Operations for HVAC Controls
   a. Replace page 7 with the attached and insert page 8.
2. Specification Section 238300 Radiant Heating Units
   a. Insert section 2.1F "Packaged Control system".

III. Attachments to Addendum

Description	Pages
Bid Form	5
Specification Section 230993 – Sequence of operations for HVAC controls	2
Specification Section 238300 – Radiant Heating Panels	2

Note: This addendum consists of 11 pages including the above text.

ATTACHMENT 1
BID FORM (6 pages)

Project: Town of Glastonbury
Welles-Turner Memorial Library Renovations and Addition Project
2407 Main Street, Glastonbury CT
GL-2020-19

Submitted to: Town of Glastonbury
Attention: Mary F. Visone, Purchasing Agent
All bids shall be submitted electronically through
the secure e-procurement portal identified in the bid documents

Bidder: _____ (Name)
_____ (Address)
_____
_____ (Tel. No./Email Address)

Dated: _____, 2020

In compliance with the Bidding Documents as defined in the Instructions to Bidders issued by the Town of Glastonbury ("the Town") and dated June 1st, 2020 (the "Bidding Documents"), the undersigned Contractor (the "Bidder") hereby proposes and agrees to fully perform the work described in the Bidding Documents within the time stated and in strict accordance with the Bidding Documents for the above referenced Project, for the following sum of money:

Base Bid Amount:
Lump Sum in the amount of _____ Dollars
($_____).
(Provide amount in words and numbers)

Base Bid Items: All labor, materials, tools, equipment, temporary facilities and transportation necessary to complete the Work for the Project as described in the Bidding Documents inclusive of, without limitation all charges such as overhead, profit, general conditions, general requirements, insurance and permits.

Alternates:

Add Alternate No. 1: Mill and overlay pavement at access drive and balance of parking lot. Provide new bituminous curb in locations abutting. Mill and overlay and re-stripe to match existing. See drawing of extents on CS101.
Lump Sum in the amount of _____ Dollars
($_____).
(Provide amount in words and numbers)

Add Alternate No. 2: Paint the exterior of the existing building. See drawing A3.01 for locations.
Lump Sum in the amount of
_____ Dollars
($_____).

(Provide amount in words and numbers)

Add Alternate No. 3: Reconstruct existing, capped masonry chimneys. Replace chimney roofing and associated roof flashings. Paint reconstructed masonry. See drawing A3.01 for locations.
Lump Sum in the amount of
_____ Dollars
($_____).
(Provide amount in words and numbers)

Unit Prices:

Unit-Price No. 1: Concrete – material only
_____per cubic yard.

Unit-Price No. 2: Structural steel members
_____per ton.

Unit-Price No. 3: 1" EMT conduit installed
_____per linear foot.

Unit-Price No. 4: #12 AWG THHN
_____per linear foot.

Unit-Price No. 5: Duplex outlet with 100ft of EMT and wire
_____each.

Unit-Price No. 6: Exit sign with 100ft of EMT and wire.
_____each.

Unit-Price No. 7: Duplex data outlet with 100 ft of EMT and wire
_____each.

Unit-Price No. 8: Fire horn strobe with 100f of EMT and wire.
_____each.

Unit-Price No. 9: Concealed ceiling sprinkler with swing joint, 10' pipe, tap into main
_____each

Unit-Price No. 10: Pendent sprinkler wth 10' pipe, tap into main.
_____each.

Unit-Price No. 11: Core drilling – up to 8" diameter.
_____each.

Unit-Price No. 12: Floor skimming to 1/8" thick.
_____per square foot.

Unit-Price No. 13: In wall 2x6 blocking.

_____per linear foot.

Unit-Price No. 14: Wall type M41
_____per square foot.

Unit-Price No. 15: Wall type M42
_____per square foot.

Unit-Price No. 16: Wall type M43
_____per square foot.

Unit-Price No. 17: Wall type: Temporary partition.
_____per square foot.

Unit-Price No. 18: 4" roof penetration
_____each.

Unit-Price No. 19: 500 cu. yd. of unsatisfactory soil excavation and disposal off-site and replacement with satisfactory soil material from off-site, as specified in Section 312000 "Earth Moving."
_____each.

Bid Price Itemization:
Submitted herewith as Bid Form Schedule A is the Bid Price Itemization which includes an amount for each component of the Work for the Project required by and described in the Bidding Documents. The sum of all listed components shall equal the Base Bid Amount. Bidder acknowledges that, should conditions make it necessary to revise the scope of the Work for the Project, the Bid Price Itemization shall serve as the basis for adjustments to the Base Bid Amount.

Subcontractors:
Submitted herewith as Bid Form Schedule B is a list of the names and addresses of all Subcontractors proposed to be utilized on the Project.

Receipt of Addenda Acknowledged:

Signature

Addendum No. 1 dated _____, 2020 _____
Addendum No. 2 dated _____, 2020 _____
Addendum No. 3 dated _____, 2020 _____

Code Of Ethics:
I / We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I /We are selected. Yes _____ No _____ *
*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the bidder has not agreed to the above statement.

Contract Execution:
The Bidder agrees and warrants that, if selected as the Contractor for the Project, Bidder shall, within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the Town, execute a

contract in accordance with the Bidding Documents, the terms of this Bid Form and such other terms and conditions as may be mutually agreed by the Town and the Bidder.

Bidder's Representations:

By submission of this Bid Form and its Bid, the Bidder represents and acknowledges that:

1. The Bidder has carefully examined and is familiar with the Bidding Documents and all of the requirements set forth in the Bidding Documents. A Bidder's failure to gain such familiarity with the Bidding Documents shall in no way relieve the Bidder of responsibility for all aspects of its Bid and the obligations set forth in the Bidding Documents.
2. The Bidder understands the requirements of the Bidding Documents and the scope of Work represented by the Bidding Documents to be performed by or on behalf of a Bidder.
3. The Bidder has checked all of the figures set forth in this Bid Form and the Schedules attached hereto and understands that the Town will not be responsible for any errors or omissions on the part of the Bidder in preparing this Bid.
4. The Bidder and appropriate Sub-bidders have visited the Premises, have become familiar with local conditions under which the Work is to be performed, site conditions, logistics and have correlated the Bidder's personal observations with the requirements of the Bidding Documents.
5. The Bidder is familiar with and agrees to comply with all federal, state and local laws, regulations, ordinances, codes and orders as relate to this solicitation and/or the performance of the scope of Work described in the Bidding Documents.
6. The Bidder has reviewed the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 effective November 8, 2013 and, if requested by the Town will submit an acknowledgement form provided by the Town if selected for award of the Contract.
7. The Base Bid Amount set forth in its Bid Form includes all labor, materials, equipment, services, machinery and systems required by the Bidding Documents and includes, without limitation, overhead, profit, general conditions, general requirements and insurance and bond costs, all without exception or qualification.
8. The Bidder has confirmed and incorporated into its Bid and Base Bid Amount the proper prevailing wage rates for the Work included in the Project.
9. The following are the names and prices of the subcontractors proposed by the Bidder to perform the identified classes of work:

Name of Subcontractor	Class of Work	Subcontractor Price
	Masonry	$
	Electrical	$
	Plumbing	$
	HVAC	$

10. The Bidder agrees that each of the subcontractors listed on this Bid Form will be used for the work indicated at the amount stated, unless a substitution is permitted by the Town.

11. In submitting this Bid, it is understood that the right is reserved by the Town to reject any or all Bids and waive all technicalities and informalities in connection therewith, including negotiating with the selected bidder or bidders, all as may be in the best interest of the Town. It is agreed that this Bid may not be withdrawn for a period of ninety (90) days after the actual date the Bids are opened.
ATTACHMENT 1 –

The Bidder certifies, under the penalty of false statement, that the information in this Bid Form and its Bid is true and accurate, that the copy of the Bid Bond submitted with this Bid Form is a true, accurate and unmodified copy of the original bond issued by the Bidder's surety for the Project, that there has been no substantial change in the Bidder's financial position or corporate structure since the Bidder's most recent DAS prequalification certificate was issued or renewed, other than those changes noted in the update bid statement, and that the Bid was made without fraud or collusion with any person.

The undersigned declares that the person or persons signing this Bid is/are fully authorized to sign on behalf of the Bidder.

Signed this _____ day of _____, 2020

_____ (Name of Bidder)

By _____ (Signature of individual signing on behalf of Bidder)
_____ (Print name of individual signing on behalf of Bidder)
Its _____ (Title of such individual such as President, Member, etc.)

L. BAS system shall read the following setpoints from the VRF control system"
1. ON /Off status
2. Operating Mode Status
3. Alarm status
4. Error Code

M. VRF temperature setpoints will follow as below: All setpoints shall be individually adjustable and globally adjustable:
1. Occupied Heating temperature
2. Un-Occupied Heating temperature
3. Occupied Cooling temperature
4. Un-Occupied Cooling temperature
5. Heat / Cool occupied dead band temperature range shall be the delta between the occupied heating and cooling setpoints
6. Heat / Cool Un-occupied dead band temperature range shall be the delta between the Un-occupied heating and cooling setpoints

N. Condensing Units shall operate in accordance to manufacturer's specifications to maintain system heating / cooling mode loads.

3.7 HOT WATER FIN TUBE RADIATION (STAND ALONE)

A. A wall mounted space temperature sensor will be provided. If the space temperature drops below the space temperature setpoint, the hot water valve will open.

B. When the space temperature rises to satisfy the space temperature setpoint, the valve will be closed.

3.8 SPLIT SYSTEM AC UNITS

A. Units will maintain space temperature through manufacturers supplied controllers.

B. ATC will monitor:
1. Space temperature – Separate from manufacturer.
2. AC unit status
3. Condensate alarm

3.9 GENERATOR

A. Monitor Generator and provide the following
1. Generator Run Status
2. Generator Alarm Status
3. Gas Pressure Transmitter (Analog)

3.10 SNOW MELT SYSTEM

A. Monitor Snow Melt System and provide the following
1. Snow Melt System Run Status
2. Snow Melt System Alarm Status
3. Pump Command
4. Pump Status

5. **Glycol Fill System Status**
6. **Snow/Ice Sensor Status**
7. **Slab Temperature Sensor (Analog)**
8. **Outdoor Air Temperature (Analog)**

END OF SECTION 230993

a. Steel, with corrosion-resistant coating and smooth finish without sharp edges.
b. Minimum Thickness: 3/32 inch .
c. Width: Minimum, wider than tubing.

3. Floor Mounting Clamps:
   a. Two bolts, steel, with corrosion-resistant coating and smooth finish without sharp edges.
   b. Minimum Thickness: 3/32 inch .
   c. Width: Minimum, wider than tubing.
4. Floor Mounting Tracks:
   a. Aluminum or plastic channel track with smooth finish and no sharp edges.
   b. Minimum Thickness: 1/16 inch.
   c. Slot Width: Snap fit to hold tubing.
   d. Slot Spacing: 2 inch intervals.
5. Heat-Emission Plates:
   a. Formed aluminum suitable for radiant-heating piping.
   b. Minimum Thickness: 1/16 inch.
   c. Slot Width: Snap fit to maintain pressure fit on tubing.

E. Prepackaged Pumping Station:
1. Manufacturers:
   a. IPEX Inc.
   b. Oventrop Corporation
   c. Slantfin Corporation.
   d. Substitutions: See Division 01 - General Requirements and 23 04 00 General Conditions for Mechanical Trades.
2. Pump:
   a. Maximum Temperature: 230 degrees F .
   b. Maximum Pressure: 145 psig.
   c. High efficiency with ECM motor.
3. Mixing Valve: 3-way with adjustable bypass and 24-volt actuator.
4. Accessories:
   a. Ball valves with thermometers, temperature range of 30 to 250 degrees F .
      1) Body and Stem Material: Brass.
      2) Seal: Double-O-ring.
      3) Ball Material: Hard chrome plated brass.
      4) PTFE seats, brass collar nuts.
      5) Thermometers integrated in the handles, with indication of open and shut position.
   b. Check valve, minimum opening, differential pressure 0.30 psig .
   c. Tailpieces.
   d. Two station manifold.
   e. Differential pressure bypass.
   f. Wall mounting bracket.

F. Packaged Control System:
1. Manufacturer:
a. Tekmar Snow Melting Control 680 or equal.

2. Provide a self-contained packaged controller capable of accepting hard-wired I/O points for pumping station, control valves and sensors. Controller shall provide all logic to properly sequence and control the snowmelt system.

3. Furnish with a BACnet over IP interface card for communication with Building Management System. BACnet interface card shall be capable of outputting all available I/O control points for monitoring purposes.

4. Controller shall have the following features:

a. Automatic snow/ice detection
b. Supports both inslab & retrofit aerial sensors
c. BACnet communication
d. Energy monitoring
e. Tandem snow/ice detection
f. Idling
g. Storm
h. EconoMelt
i. Warm weather shut down
j. Cold weather cut out
k. Slab protection
l. Exercising

PART 3 EXECUTION

3.1 EXAMINATION

A. Hydronic Radiant Heating Piping:
1. Examine surfaces and substrates to receive radiant heating piping for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
a. Ensure that surfaces and pipes in contact with radiant heating piping are free of burrs and sharp protrusions.
b. Ensure that surfaces and substrates are level and plumb.
2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean all surfaces prior to installation.

3.3 INSTALLATION

A. Install in accordance with manufacturer's recommendations.

B. Hydronic Radiant Heating Piping:
1. Drawing plans, schematics, and diagrams indicate general location and arrangement of piping systems.
2. Indicate piping locations and arrangements if such were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations.
3. Install piping as indicated unless deviations to layout are approved on shop drawings or coordination drawings.