Date: September 14, 2017
Date of Issuance: September 1, 2017
Project Name: UNMC Heating Hot Water Expansion Prepurchase Condensing Boiler Package
Date of Opening: September 21, 2017
FE Project No.: 172032

NOTICE: This addendum is applicable to the referenced project and is issued to all known planholders prior to receipt of proposals. The information contained herein shall be fully incorporated into the Bid Contract Documents as though originally incorporated. Failure to acknowledge all amendments may be cause for rejection of the bid.

TO: Bidders and Others Concerned

Changes to the Project Manual
1. SECTION NUMBER 00 42 00, PROPOSAL FORM:
   A. Delete section in its entirety and replace with the attached revised section.

Changes to the Drawings
1. SHEET NUMBER AND NAME:

Attachments
1. SECTION 00 42 00, PROPOSAL FORM

-- END --
SECTION 00 42 00 - PROPOSAL FORM

TO: THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA
    c/o Manager of Purchasing
    University of Nebraska Medical Center
    987100 Nebraska Medical Center
    Omaha, Nebraska 68198-7100

BID PROPOSAL FOR: UNMC Heating Hot Water Expansion – Condensing Boilers

QUOTATION NO. 9654

PROJECT NO. P-16032

This Bid is offered and submitted by________________________________________________________, hereinafter referred to as Bidder.

Bidder proposes to enter into a Single Contract, including all Work as indicated on Drawings and Project Manual prepared by Farris Engineering, 12700 W Dodge Rd, Omaha, NE 68154 and dated September 1, 2017.

Bidder hereby makes the following representations:

1. Bidder has received Bidding Documents on the above named project.
2. Bidder has received Addenda Numbers ____ through ____, and has included their provisions in this Bid.
3. Bidder has examined Bidding Documents, attended Pre-Bid meeting, visited the Project site, and is otherwise familiar with local conditions affecting the construction of the Project.
4. Bid includes freight costs for delivering the equipment Freight-On-Board (FOB) to the UNMC Central Utility Plant (CUP).

Bidder agrees to furnish all labor, materials, tools, equipment, services, transportation, supervision, and miscellaneous expenses required to complete the Work indicated on Bidding Documents within time set forth, for the sum of:

Condensing Boiler Procurement
ITEM No. 1 - BASE BID: Provide 20 MMBtu Input Heating Hot Water Condensing Boilers. Base bid must indicate delivery time after receipt of approved shop drawings. Base bid may be accepted for the lump sum bid price of:

LUMP SUM BID: $__________________________ DOLLARS

(amount shown in both numbers and words. In-case of discrepancy, words shall govern)

DELIVERY TIME AFTER RECEIPT OF APPROVED SHOP DRAWINGS: ____________________________

ITEM No. 2 - BASE BID: Provide 18 MMBtu Input Heating Hot Water Condensing Boilers. Base bid must indicate delivery time after receipt of approved shop drawings. Base bid may be accepted for the lump sum bid price of:

LUMP SUM BID: $__________________________ DOLLARS

(amount shown in both numbers and words. In-case of discrepancy, words shall govern)

DELIVERY TIME AFTER RECEIPT OF APPROVED SHOP DRAWINGS: ____________________________
UNMC CONDENSING BOILERS - BOILER BID DATA SUBMITTAL INFORMATION

A. EQUIPMENT DATA SHEET

Company: ____________________________________________________________

Reference Technical Specification – Section 23 52 16 CONDENSING BOILER (Factory Packaged Type) for specific design criteria and accessories.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>GENERAL</td>
</tr>
<tr>
<td></td>
<td>A. Definition of terms used herein shall conform to those set forth by the ASME Boiler Code and Air-Conditioning Heating Research Institute (AHRI).</td>
</tr>
<tr>
<td></td>
<td>B. The intent of this data sheet is to supplement the description of equipment proposed to be furnished, and should not be construed as being necessarily a complete and thorough description of all equipment proposed to be furnished. This form must be completed in its entirety.</td>
</tr>
<tr>
<td>1.2</td>
<td>BOILER MANUFACTURER ____________________________</td>
</tr>
<tr>
<td>1.3</td>
<td>MANUFACTURER'S MODEL NUMBER ____________________</td>
</tr>
<tr>
<td></td>
<td>A. Type ____________________________</td>
</tr>
<tr>
<td></td>
<td>B. Design ____________________________</td>
</tr>
<tr>
<td>1.4</td>
<td>DIMENSIONS AND WEIGHTS (Approx.)</td>
</tr>
<tr>
<td></td>
<td>A. Height Base Rail To Upper Most Component   Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>B. Height Base Rail to Stack Outlet Connection    Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>C. Overall Width Over Casing                  Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>D. Overall Length Over Casing                  Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>E. Overall Length (Including Auxiliary Equipment) Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>F. Skid Length                                Ft.   In.</td>
</tr>
<tr>
<td></td>
<td>G. Weight Of Unit (Dry)                       Lbs.</td>
</tr>
<tr>
<td></td>
<td>H. Operating Weight                           Lbs.</td>
</tr>
<tr>
<td></td>
<td>I. Water Capacity (Operating)                 Gals.</td>
</tr>
<tr>
<td>1.5</td>
<td>DESIGN PRESSURE, ASME Code Section IV</td>
</tr>
<tr>
<td></td>
<td>160 PSIG</td>
</tr>
<tr>
<td>1.6</td>
<td>RETURN HOT WATER TEMPERATURE</td>
</tr>
<tr>
<td></td>
<td>120 °F</td>
</tr>
<tr>
<td>1.7</td>
<td>OPERATING PRESSURE</td>
</tr>
<tr>
<td></td>
<td>120 PSI</td>
</tr>
</tbody>
</table>
### 1.8 COMBUSTION AIR TEMPERATURE

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 °F</td>
<td></td>
</tr>
</tbody>
</table>

### 1.9 FOR OPERATION AT 100% OF RATINGS: FOR FUELS

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Nat. Gas</th>
<th>#2 Oil</th>
</tr>
</thead>
</table>

A. Boiler Gas Exit Temperature, °F

B. Combustion Air Flow, Lbs/hr

C. Combustion Gas Flow, Lbs/hr

D. Excess Air, %

E. Furnace Gas Exit Temperature, °F

### 1.10 EMISSIONS (Corrected to 3% Oxygen, dry basis)

<table>
<thead>
<tr>
<th>Emission Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Percent of Full</td>
<td>100</td>
</tr>
<tr>
<td>B. Nitrous Oxide (NOx)</td>
<td>Lbs per MMBtu Input</td>
</tr>
<tr>
<td>C. Carbon Monoxide</td>
<td>Lbs per MMBtu Input</td>
</tr>
<tr>
<td>D. Particulate</td>
<td>Lbs per MMBtu Input</td>
</tr>
<tr>
<td>E. Sulfur Dioxide</td>
<td>Lbs per MMBtu Input</td>
</tr>
</tbody>
</table>

### 1.11 CAPACITY/EFFICIENCY RATINGS

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Nat. Gas</th>
<th>#2 Oil</th>
</tr>
</thead>
</table>

A. FUEL:

1. HHV of Fuel, Btu/Lb

2. HHV of Fuel, Btu (Note: Natural gas - Btu/Cu.Ft.; Oil - Btu/Gal.)

3. Fuel Flow, Lbs/Hr

4. Fuel Input, KBtu/Hr

5. Pressure Drop
   - Burner, In. W.C.
   - Boiler, Psig @ Design Flow, GPM
   - Furnace Gas, In. W.C.
B. Efficiency. Guaranteed minimum boiler efficiency (percent, %) with economizer at continuous steam generation capacity when burning the following fuels:

<table>
<thead>
<tr>
<th>Load (%)</th>
<th>Nat. Gas</th>
<th>#2 Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Low Fire

1.12 HOT WATER BOILER

A. Give type and thickness of materials used for the following:

1. Insulation

2. Refractory

1.13 BOILER TRIM

A. Main Inlet/Outlet, Ins.

B. Stack Outlet, Ins.

1. Vertical or Horizontal

2. Manhole, Number and Size, Ins.

3. Handhole, Number and Size, Ins.

4. Front Doors

5. Rear Doors

C. Primary Low Water Cutoff:

1. Make and Model No.

2. Auto Reset

3. Proportioning Control

D. Auxiliary Low Water Cutoff. Probe Type:

1. Reset

Manual
E. Pressure Gauge:
   1. Make and Model No. 

F. Draindown Valves:
   1. Size and Number, Ins. 
   2. Manufacturer 
   3. Designation or Catalog No. 

G. Gas Pressure Regulator Valve:
   1. Size, Ins. 
   2. Pressure Rating of Class 
   3. Manufacturer 
   4. Designation or Catalog No. 

1.14 COMBUSTION AND SAFETY CONTROL EQUIPMENT

A. Burner:
   1. Type 
      Natural Gas 
   2. Manufacturer 
   3. Designation or Catalog No. 
   4. Natural Gas Flow Required Max., SCFM 
   5. Gas Train Size, Ins. 
   6. Agency Approval (UL) (CSD-1) (NFPA 85) 
   7. Alarm Device Type (Bell) (Horn) 
   8. Alarm Activation 
      Auto Silencer 
   9. Operating Sequence 
      Full modulation w/ potentiometer 

B. Pilot:
   1. Operation 

C. Mechanical Draft Fan:
   1. Manufacturer
2. Type
3. Wheel Diameter, Ins.
4. Bhp at specified capacity, Bhp
5. Speed, RPM
6. Capacity, SCFM
7. Static Pressure, Inches of Water Column

D. Flue Gas Recirculation Fan (If Req’d):
   1. Manufacturer
   2. Type
   3. Wheel Diameter, Ins.
   4. Bhp at specified capacity, Bhp
   5. Speed, RPM
   6. Capacity, SCFM
   7. Static Pressure, Inches of Water Column

E. Firing Equipment:
   1. Flame Detector Type
      UV
   2. Manufacturer
   3. Model No.

F. Flame Detector Relay:
   1. Manufacturer
   2. Model No.

G. Automatic Fuel Shut-Off Valve:
   1. Size, Ins. & Number
   2. Pressure Rating or Class
   3. Manufacturer
   4. Designation or Catalog No.
H. Pressure Temperature Controls:
   1. Operating - Make and Model No. ________________________________
   2. High Limit - Make and Model ________________________________
   3. Auto Low Fire Hold – Make and Model ________________________________
   4. High Pressure and Well Section IV ________________________________

I. Gas Control Valve:
   1. Size, Ins. ________________________________
   2. Pressure Rating or Class ________________________________
   3. Manufacturer ________________________________
   4. Description or Catalog No. ________________________________

J. Forced Draft Motor:
   1. Application ________________________________
   2. Manufacturer ________________________________
   3. Frame Number Type or Class ________________
   5. Rating-Horsepower
      Voltage Phase Cycles Full Load, RPM Wound Rotor (Volts, Amps)
      Full Load Current, Amperes ________________________________
      Locked Rotor Current, Amperes ________________________________
      Efficiency - Full Load, % ________________________________
      Insulation - Type Class ________________________________
      Temperature Rise, °C ________________________________
      Net Weight, Lbs. ________________________________
      Type of Bearings ________________________________
      Service Factor, SF ________________________________
      Starter Description ________________________________
I have included herewith, required Bid Security.

In submitting this Bid, Bidder agrees:

1. To hold this Bid open for 120 days following Bid date;

2. To enter into and execute "University of Nebraska Standard Form Construction Agreement" based upon this Bid, if this Bid is accepted by Owner;

3. To perform all Work required by Contract Documents;

4. To comply with Nebraska Fair Employment Practice Act, understanding that breach of this provision shall be regarded as a material breach of Contract;

5. To provide, if this Bid is accepted by Owner, a copy of Bidder’s “Drug Free Work Place Policy”, to University of Nebraska Medical Center, Facilities Management and Planning, Project Manager;

6. That this Bid amount has been arrived at without collusion with other eligible Bidders and without effort to prevent University of Nebraska from receiving lowest possible competitive Bid.

Dated this ________________ day of _______________________________ 2017

Signed: ________________________________ Title ________________________________

Printed name of signature of Above: __________________________________________________________________________

Bid of: __________________________________________________________________________

A Corporation organized and existing under laws of the State of: ________________________________________________

A Partnership doing business as: __________________________________________________________________________

An Individual doing business as: __________________________________________________________________________

Address of Bidder: ______________________________________________________________________________________

_____________________________________________________________________________________________________

Telephone Number of Bidder: ____________________________________________________________________________

Fax Number of Bidder: ___________________________________________________________________________________

E-Mail of Bidder: _______________________________________________________________________________________

END OF SECTION 00 42 00