ADDENDUM TO INVITATION FOR BIDS  
Fieldbrook Elementary School District  
Proposition 39  
HVAC Upgrade Project  
Bid No. 17-016

Addendum #1  
May 17, 2017

To All Prospective Bidders:

The Fieldbrook Elementary School District (District) herewith issues Addendum No. 1 to the above-referenced solicitation. This Addendum shall be made part of the Contract Documents and the bidder shall acknowledge receipt thereof on the Bid Proposal Form. Except as specifically modified by this document, all other terms and conditions remain in full force and effect.

1. In the Overview, Base Bid, the quantities shall be updated as follows:

   • Replace eleven (11) 80% AFUE forced air furnace with new condensing furnace, AFUE 95% or greater.
   • Replace one (1) SEER 10.5 packaged terminal heat pump with new packaged terminal heat pump, SEER 14 or greater.
   • Replace twelve (12) existing thermostats with programmable wi-fi enabled smart thermostats.

2. The Scope of Work, pages 5-7, shall be replaced in its entirety with a new Scope or Work, attached to this addendum.

   Summary of changes to the Scope of Work:

   • Quantities have been updated.
   • District will remove and re-install the cabinet doors and trim.
   • Addition of condensate pumps for room C1 and C7.
   • Removal of ductwork on PTAC.
   • Added installation of gym grade grille in the multipurpose room.
   • Addition of PG&E Rebate requirements for furnaces.

3. Quantities have been updated on the Bid Proposal Form. The Bid Proposal form, pages 16-17, shall be replaced in its entirety with a new Bid Proposal Form, attached to this addendum.

4. The Appendix A, pages 26-27, shall be replaced in its entirety with a new Appendix A, attached to this addendum.

   Summary of changes to the Appendix A:

   • Added location of Workroom furnace.
   • Changed Equivalent Output BTUH.
- Added column for Equivalent CFM.
- Move wi-fi thermostat for Portable to Base Bid.
- Removed the PTAC in the Principal’s Office.

5. The original mechanical plans shall be attached as an Appendix C, and are attached to this addendum.
**SCOPE OF WORK**

Fieldbrook Elementary School District (“District”) is soliciting bids from licensed and qualified contractors for the following scope of work.

A. **BASE BID:**

The selected contractor will:

1. **Replace eleven (11) existing 80% AFUE furnaces with condensing furnaces, AFUE 95% or greater.**
   a. **Location**
      i. See Appendix A for details about locations and existing furnaces.
      ii. See Appendix B for Site Map.
   b. **Demolition**
      i. In classrooms and library, district will remove cabinet doors and trim.
      ii. Remove existing furnaces. Existing venting and duct work to remain in place.
      ii. Ensure proper disposal of removed units.
   c. **Mechanical**
      i. Provide and install eleven (11) new 95% or greater AFUE furnaces.
      ii. See Appendix A for equivalent output Btuh.
      iii. Existing ductwork shall be used with minimum modifications.
      iv. Provide and install new PVC venting. Modify and seal openings as required.
      v. Install new condensate line, if needed.
      vi. Install condensate pumps, if needed.
      vii. Provide new transitions and adapters, as required.
      viii. In multipurpose room, provide and install three (3) new gym grade vent covers.
      ix. District will be responsible for re-installing cabinet doors and trim.
   d. **Controls**
      i. Connect to new furnaces to new thermostats and ensure proper operations.
   e. **Electrical**
      i. Disconnect and reconnect power in the same location.
   f. **Structural**
      i. Proposed furnace weight should not exceed existing furnace weight.
      ii. Provide support as needed.
   g. **Permitting and Reporting**
      i. Including the cost of permitting in the bid is not required.
      ii. Report costs and other information as needed to meet Prop 39 reporting requirements.
      ii. Provide invoices and other information as needed to meet PG&E rebate requirements.
   h. **Title 24**
i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
ii. System Requirements
   i. System must be on the AHRI directory at: https://ahridirectory.org/ahridirectory/pages/rfr/defaultSearch.aspx

2. Replace one (1) packaged terminal air conditioner/heat pumps with new high efficiency packaged terminal air conditioner/heat pumps, 9000 Btu/h, SEER 14 or greater.
   a. Location
      i. Heat pump to be replaced is in the staff room.
      ii. See Appendix A for a table of measure locations and existing unit.
      iii. See Appendix B for a Site Map.
   b. Demolition
      i. Remove existing PTAC.
      ii. Remove existing duct connection to small work room. Vent may remain in place.
      iii. Ensure proper recycling and/or disposal of removed unit.
   c. Mechanical
      xi. Provide and install one (1) new PTACs, 9000 Btu/h, SEER 14 or greater, Amana PTH093G or equivalent.
      xii. New unit will not need to be ducted to small work room.
   d. Electrical
      i. Disconnect and reconnect power in the same location.
   e. Structural
      i. Proposed PTAC weight should not exceed existing PTAC weight.
      ii. Provide support as needed.
   f. Title 24
      i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)

3. Replace existing thermostats with Wi-Fi enabled smart thermostats.
   a. Location
      i. See Appendix A for location
      ii. See Appendix B for existing units to be connected to thermostats.
   b. Controls
      i. Remove existing thermostat.
      ii. Provide and install new Wi-Fi enabled 7-day programmable thermostats, connect to new furnaces and ensure proper operations, Honeywell RTH8580WF or equivalent.

4. Coordinate with the District and Redwood Coast Energy Authority to ensure adherence to Proposition 39 program guidelines.
   a. All project services will comply with Proposition 39: California Clean Energy Jobs Act – 2016 Program Implementation Guidelines, which can be found at http://www.energy.ca.gov/2016publications/CEC-400-2016-005/CEC-400-2016-005-CMF.pdf.

5. PG&E Rebate Requirements
   i. System must meet the requirements to qualify for PG&Es rebate for “Central Natural Gas Furnace 95-96.9% AFUE” See http://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebetes/incentivesbyindustry/hvac_catalog_final.pdf for more detail
6. **In addition to completing the scope defined in (1) and (2):**
   a. Purchase all needed materials and equipment.
   b. Verify all furnaces are operational seven (7) days post installation. If not operational, correct and verify.
   c. Provide briefing on the installed equipment and proper operation to school facilities manager or appointee.

B. **ADDITIVE ALTERNATE 1:**

7. **Replace one (1) exterior wall-mount heat pump with high efficiency exterior wall-mount heat pumps, 3.0 tons, EER 11 and IPLV 14 or greater.**
   a. **Location**
      i. Heat pump to be replaced is on the Library.
      ii. See Appendix A for a table of measure locations and existing unit.
      iii. See Appendix B for a Site Map.
   b. **Demolition**
      i. Remove existing heat pump. Existing duct work to remain in place.
      iv. Ensure proper recycling and/or disposal of removed units.
   c. **Mechanical**
      i. Provide and install one (1) new 3.0 ton heat pumps with EER 11 and IPLV 14 or greater, Bard T36S1-A08XPXXXX or equivalent.
      ii. Existing ductwork (if present) shall be used with minimum modifications.
      iii. Provide new transitions and adapters, as required.
   d. **Electrical**
      ii. Disconnect and reconnect power in the same location.
   e. **Structural**
      iii. Proposed unit weight should not exceed existing unit weight.
      iv. Provide support as needed.
   f. **Title 24**
      ii. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
Dear Members of the Governing Board:

The undersigned, doing business under the name of _______________________________ having carefully examined the location of the proposed work, the local conditions of the place where the work is to be done, the Notice Inviting Bids, the General Conditions, the Instructions to Bidders, the Plans and Specifications, and all other Contract Documents for the proposed Fieldbrook Elementary School District Proposition 39 HVAC Upgrade Project (“Project”), and having accurately completed the Bidder’s Questionnaire, proposes to perform all work and activities in accordance with the Contract Documents, including all of its component parts, and to furnish all required labor, materials, equipment, transportation and services required for the construction of the Project in strict conformity with the Contract Documents, including the Plans and Specifications, as follows:

BID:

<table>
<thead>
<tr>
<th>Description</th>
<th>Total Installed Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace eleven (11) 80% AFUE forced air furnaces with new condensing furnaces, AFUE 95% or greater.</td>
<td>$</td>
</tr>
<tr>
<td>Replace one (1) SEER 10.5 packaged terminal heat pumps with new packaged terminal heat pumps, SEER 14 or greater.</td>
<td>$</td>
</tr>
<tr>
<td>Replace twelve (12) existing thermostats with programmable wi-fi enabled smart thermostats.</td>
<td>$</td>
</tr>
</tbody>
</table>

For the sum of:__________________________________________________dollars ($).

ADDITIVE ALTERNATE 1:
Replace one (1) exterior wall-mount heat pump on portable unit with new wall-mount heat pump, EER 11 and IPLV14 or greater.

Add:__________________________________________________dollars ($).

The undersigned has checked carefully all the above figures and understands that the District is not responsible for any errors or omissions on the part of the undersigned in making this bid.
Enclosed find certified or cashier's check no._________________________ of the _______ ___________ Bank for ___________________________ Dollars ($_____________) or Bidder's Bond of the ___________________________ surety company in an amount of not less than ten percent (10%) of the entire bid. The undersigned further agrees, on the acceptance of this proposal, to execute the Contract and provide the required bonds and insurance and that in case of default in executing these documents within the time fixed by the Contract Documents, the proceeds of the check or bond accompanying this bid shall be forfeited and shall become the property of the District.

Contractor agrees to commence the work within the time specified in the Notice to Proceed. It is understood that this bid is based upon completing the work within the number of calendar days specified in the Contract Documents.

ADDENDA:
Receipt of the following addenda is hereby acknowledged:

Addendum # _____ Dated: __________  Addendum # _____ Dated: __________
Addendum # _____ Dated: __________  Addendum # _____ Dated: __________
Addendum # _____ Dated: __________  Addendum # _____ Dated: __________

Respectfully submitted,

Company: __________________________________________

Address: __________________________________________

________________________________________

By: ____________________________________________

(Please Print or Type)

Signature: _________________________________________

Title: ____________________________________________

Date: ____________________________________________

Telephone: _______________________________________

Contractor's License No: _______________ Expiration Date ____________

Required Attachments: 1) Subcontractor List Form
                        2) Workers’ Compensation Certificate
                        3) Non-Collusion Affidavit
                        4) Bid Bond (or Cashier's or Certified Check)
                        5) Bidder’s Questionnaire
**APPENDIX A: Itemized Scope of Work**

**BASE BID:**

<table>
<thead>
<tr>
<th>Area Served by unit</th>
<th>Description of Measures</th>
<th>Equivalent Output BTUH</th>
<th>Equivalent CFM</th>
<th>Qty</th>
<th>Existing Input BTUH</th>
<th>Existing Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B2: Workroom</strong> (Janitor’s closet)</td>
<td>Replace existing 80% AFUE furnace with condensing furnace, AFUE 95% or greater. Install wi-fi enabled smart thermostats on new HVAC units.</td>
<td>30,000 - 450,000</td>
<td>200-300</td>
<td>1</td>
<td>46,000</td>
<td>Day and Night Plus 80</td>
</tr>
<tr>
<td><strong>B2: Classrooms</strong></td>
<td>Replace existing 80% AFUE furnace with condensing furnace, AFUE 95% or greater. Install wi-fi enabled smart thermostats on existing HVAC units.</td>
<td>50,000 – 60,000</td>
<td>700-1400</td>
<td>7</td>
<td>115,000</td>
<td>Bryant 376CAV048115</td>
</tr>
<tr>
<td><strong>B2: Library</strong></td>
<td>Replace existing 80% AFUE furnace with condensing furnace, AFUE 95% or greater. Install wi-fi enabled smart thermostats on existing HVAC units.</td>
<td>50,000 – 60,000</td>
<td>700-1400</td>
<td>1</td>
<td>115,000</td>
<td>Bryant 376CAV048115</td>
</tr>
<tr>
<td><strong>B1: Multipurpose Room</strong></td>
<td>Replace existing 80% AFUE furnace with condensing furnace, AFUE 95% or greater. Install wi-fi enabled smart thermostats on existing HVAC units.</td>
<td>100,000</td>
<td>850-1400</td>
<td>2</td>
<td>115,000</td>
<td>Bryant 376CAV060115</td>
</tr>
<tr>
<td><strong>B3: Portable</strong></td>
<td>Install wi-fi enabled smart thermostats on existing HVAC units.</td>
<td>3.0 Ton</td>
<td></td>
<td>1</td>
<td>3.0 Ton</td>
<td>BARD 48WH5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area Served by unit</th>
<th>Description of Measures</th>
<th>New Equivalent Output BTUH</th>
<th>Qty</th>
<th>Existing Input BTUH</th>
<th>Existing Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B1: PTAC</strong> (Work Room)</td>
<td>Replace existing packaged terminal heat pumps with new packaged terminal heat pump, SEER 14 or greater.</td>
<td>9,000</td>
<td>1</td>
<td>8,000</td>
<td>Carrier 5250A109301AA</td>
</tr>
</tbody>
</table>
ADDITIVE ALTERNATE 1:

| B3: Portable | Replace exterior wall-mount heat pump on portable unit with new wall-mount heat pump, EER 11 and IPLV14 or greater. | 3.0 Ton | 1 | Unknown | BARD 48WH5 |
APPENDIX C: Original Mechanical Plan

Drawing 1: Mechanical Plan for classrooms and workroom, building 2.

Drawing 2: Mechanical Plan for Multipurpose Room and Offices.

Comments:
- Mechanical Load and Air Flow summary were used for sizing replacement systems.
- Workroom furnace was not replaced per these plans.
- Direct Vent heaters were not installed per these plans.