Addendum No. 1
11/30/2018

Re-Bid Food Quality Addition Install New Dairy Equipment
Washington State University
Pullman, WA

Project No. 8715-2016
Washington State University
Facilities Services, Capital
Addendum No. 1
11/30/2018

Re-Bid Food Quality Addition Install New Dairy Equipment
Washington State University
Pullman, WA

Bid Date: Thursday, December 6, 2018

1. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 6, 2018, and any prior addenda, as noted below.

2. Please acknowledge receipt of this addendum on the Form of Proposal.

This Addendum consists of 16 total pages including the following Attachments:

<table>
<thead>
<tr>
<th>Attachment</th>
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<tbody>
<tr>
<td>Pre-Bid Meeting 11/27/2018: Meeting Minutes</td>
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<td>Pre-Bid Meeting 11/27/2018: List of Attendees</td>
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<tr>
<td>Record Drawings of Existing Creamery Plant</td>
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<td>Controls Diagram</td>
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Changes to prior Addenda:
N/A

Changes to Bidding Requirements:

1-1. SECTION 00 11 13 – Advertisement for Bids

   Item 1. Replace “…Contract Time shall be 120 Days from Notice to Proceed to Substantial Completion. Proposals MUST BE based on this Contract Time.”

   Make read
   “…Contract Time shall be 150 Days from Notice to Proceed to Substantial Completion. Proposals MUST BE based on this Contract Time.”

Changes to Specifications:

SP 1-1. SECTION 00 50 00 – Agreement between Owner and Contractor

   Item 1. Article 4, Paragraph 4.3 Replace: “Substantial Completion and Final Completion. Contractor shall achieve Substantial Completion of the Work by One hundred twenty (120) Days following Notice to Proceed, subject to adjustments as provided in the Contract
Documents, and shall achieve Final Completion not later than Forty-five (45) Days thereafter. Contractor represents to Owner that the Contract Time is adequate for full performance of the Work. Contractor shall also achieve any interim milestones and phasing requirements set forth in the Contract Documents."

Make read
“Substantial Completion and Final Completion. Contractor shall achieve Substantial Completion of the Work by One hundred fifty (150) Days following Notice to Proceed, subject to adjustments as provided in the Contract Documents, and shall achieve Final Completion not later than Forty-five (45) Days thereafter. Contractor represents to Owner that the Contract Time is adequate for full performance of the Work. Contractor shall also achieve any interim milestones and phasing requirements set forth in the Contract Documents.”

Bidder Questions:

1. Regarding the hardware layout diagram, what is the significance of the box outline colors? Black, Blue and Red?
   a. WSU Response: Red = New components, Blue = Replace Exsiting, and Black = Not upgraded.

2. You stated in the pre-bid meeting document that there are 2 addendums. I can’t find them on the WSU site or the Idaho AGC service we subscribe to. Can you for them?
   a. WSU Response: Addendum reference is from the previous bid. All addenda items were included in the current bid documents.

3. Is the core project to install one or two new silos? The scope paragraph appears to indicate a single silo but the P&ID drawing shows two.
   a. WSU Response: The base bid includes 1 silo. The second is Alternate No. 2.

4. Will pre-existing CAD.dwg files for the control panels/cabinets pre-upgrade be available to the awarded contractor?
   a. WSU Response: Included with this addendum are record drawings of the existing creamery plant. AutoCAD files will be available to the awarded bidder. All information on the drawings must be verified by the contractor.
5. Can you provide us with the model number of the AB PLC5 processor in the Main PLC cabinet?
   a. WSU Response: The number on the front of the PLC 5/30.

6. Is there a “Controls List” that was put together and distributed during the original bid?
   a. WSU Response: Please refer to Section 01 11 00 of the project manual for the project requirements for controls. The additional information for controls is a Control Diagram included with this Addendum.

END OF ADDENDUM No. 1
PRE-BID MEETING

WSU Project: RE-BID Food Quality Addition Install New Dairy Equipment 8715-2016

Meeting Date: 11/27/2018 Time: 10:30 am Physical Address: 2035 NE Ferdinand’s Lane Pullman, WA. 99164
Recorded by: Joanie Thomas Meeting Location: McCluskey / Food Quality Add.

1. Introductions:
   a. WSU Facilities Services Project Manager: Joanie Thomas (thomasj@wsu.edu, 509-335-9027)
   b. WSU Facilities Services Construction Manager: Jason Harper (jaharper@wsu.edu) 509-335-8299
   c. WSU Occupant/Customer: WSU Creamery / John Haugen
   d. Attendance at the pre-bid meeting and at the job-site visit is mandatory for Contractors/Prime Bidders, and a strong suggestion for the controls contractor to attend.
   e. The Owner’s meeting minutes will be routed to project plan holders as an addendum.
   f. Send all questions regarding this project to the Facilities Services Project Manager and Facilities Services Construction Manager:
      i. All questions must be received no later than, November 29, 2018.
      ii. All requests for substitutions must be received by November 29, 2018.
   g. Addenda will be forwarded to all plan holders. Addenda will be issued no later than November 29, 2018.
   h. This is an active campus. There are students, faculty and visitors who either will not be aware of construction or will be distracted. Contractors must routinely work around the pedestrian population on campus as well as control noise and other construction related activities to minimize the effect on the campus. WSU is committed to a completely accessible campus. This means that when construction activities interfere with accessible pathways, that the General Contractor is responsible for putting in place temporary facilities (ramps, pathways, etc.) to assure that all pathways are available. Harassment in the workplace is not tolerated at WSU. All trades are required to conduct themselves such that harassment, real or perceived, does not occur. Offending individuals will be permanently removed from the project.

2. Project Description:

This project consists of the supply and installation of milk silo and milk moving equipment to include all associated electrical, mechanical and plumbing within the east side addition of the WSU Food Quality Building. Contract Time shall be 120 days from Notice to Proceed to Substantial Completion. Proposals MUST BE based on this Contract Time.

a. Location: 2035 NE Ferdinand’s Lane, Pullman, WA. 99164
b. Access/Haul Routes: Stadium Way to Ferdinand’s Lane, please notice the overpass restrictions on Stadium Way and plan accordingly.
c. Occupied Area: The Food Quality Addition receiving bay and the whey processing room will not be occupied during construction. However all work necessary in the existing Creamery will need to be scheduled in advance through WSU Construction Manager and our client, John Haugen. The existing creamery must remain in operation during the project. Any shutdowns will need to be scheduled in advance to minimize impacts to the existing Creamery production.

d. Existing Hazards: Construction activities, delivery vehicles, students, facility maintenance, visitors, etc.

e. Schedule Constraints: Submittal and scheduling activities to begin as soon as notice to proceed is issued.

f. Parking. Parking on campus is enforced 24 hours a day, every day. It is the bidder’s responsibility to obtain parking permits to attend pre-bid meetings, site visits, and bid openings. Go to www.parking.wsu.edu for more information about visitor parking permits. Labor force parking and permits: Minimal parking will be available onsite. Workers will need to park in existing lots on campus.

3. Estimated Base Bid, not including taxes, is approximately: $590,000.00 - $610,000.00

4. Expected Notice to Proceed date: January 2, 2019.

5. Estimated Contract duration after Notice to Proceed: Contract time shall be 120 Days from Notice to Proceed to Substantial Completion.

6. Bidders should review the complete version of the bid instructions in the Contract Documents and in any forth coming addenda. Especially note the following:
   a. Bids shall be made upon the form of proposal in the Contract Documents.
   b. All information requested on the bid form shall be filled out completely and entirely to include:
      i. Base Bid amount – Required
      ii. Alternate amount(s) as required – Required
      iii. Unit Price amount(s) as required – N/A
      iv. Acknowledgement of each addendum received – Required
   c. The bid should include a bid security bond.
   d. Bid forms shall be enclosed in an opaque envelope if mailed or delivered, shall have a cover sheet if faxed see specification section 00 21 13.
   e. The bidder is responsible for getting the bid to the office designated in the documents by the time noted in the documents. To be considered responsive, bids shall be received and time stamped at McCluskey; Facilities Services Capital, main desk prior to the bid date and time in the Contract Documents. (NOTE: the USPS and private delivery/shipping companies do not make regular deliveries directly to the building and office designated.)
   f. Bids will be received prior to 2:00 p.m.; Thursday, December 6, 2018 at Facilities Services, McCluskey Services Building, 2425 East Grimes Way, Pullman, WA
PRE-BID MEETING

99164-1150. Proposals will then be publicly read aloud in the Admin Conference Room, McCluskey Services Building.

g. Bidder Responsibility Mandatory Criteria: It is the intent of the Owner to award a contract to the low responsible bidder. Prior to awarding a contract, the apparent responsive low bidder must submit documentation demonstrating compliance as per Section 00 21 13, Part 1.16 – Low Responsible Bidder. Be prepared to submit the required documentation with 48 hours of receipt of request.

7. Summary of Construction Administration Requirements:
   a. For complete project administrative requirements refer to Division 1 and the General Conditions of the Contract Documents and addenda.
   b. Prior to starting work; the contractor will be required to submit a Schedule of values and a construction progress schedule in a critical path method format for review and approval.
   c. Regular progress meetings will be conducted during the course of the project.
   d. Material information and/or shop drawings shall be submitted to the Owner for approval. The construction progress schedule shall include time for the submittal review and distribution process.
   e. O&M Manuals and As-built drawings shall be submitted prior to substantial completion and the final application for payment and shall be identified as activities on the construction progress schedule.

8. A job-site visit will be conducted during the course of this pre-bid meeting.

9. Discussion/Remarks/Concerns:
   A. Lead time on silos may be longer than 120 days. WSU can issue ‘Intent to Award’ so it can be ordered at bid award. May also extend construction days.
   B. Concern that electrical costs may increase at the new year.
   C. Site visit.

End of Meeting
PRE-BID MEETING

Food Quality Addition – Install New Dairy Equipment

Questions Published 9/11/2018

1. The project includes three alternates.

Alternate No.1: Add electrical services and mechanical ventilation for the installation of Owner provided electric smoker. See sheets A1.2, M1.10, E0.1 and E3.1.
Alternate No.2: Provide one additional 8,000 gallon milk silo. See section 11 92 27 Dairy Equipment for silo requirements.
Alternate No.3: Provide and install controls per section 01 11 00 Summary of Work.

2. Remove the words “reverse osmosis equipment” from the Project Scope statement in section 01 11 13, and on sheet T1.1 Project Information.

3. Remove items from Section 119227 #26, #27, #28 from the base scope of work. These items are included in Alternate No. 3.

4. Questions / items discussed on-site:
   a. The project timeline of 120 days are calendar days.
   b. The (2) silo pads at the West side of the building were pointed out.
   c. Q: Were the silo pads designed for the size and weight called out in the specifications? A: Yes. The pads were designed for 8000 gallon silos, using Walker specifications.
   d. Access to the chilled water is above the ceiling in the pump room.
   e. The silos will be cooled with chilled water, not glycol. Food grade water is required on the silo cooling.
   f. Q: Do you require any hot water to the silos? A: No, just for cooling.
   g. Q: Are the drains tied to a separator? A: No, the drains are tied to the sewer.
   h. 3A Certified tanks are required. Q: Can the tanks be supplied by a non-3A vendor, and be 3A Certified on site? A: The tanks need to be 3A certified prior to delivery and installation at WSU.
   i. The storage racks that exist in the electrical room will be relocated to make space for the specified equipment in this room.
   j. Alternate for Controls; Upgrade the existing PLC5 in the main plant and add controls for the addition so that all controls are coordinated. We need to be consistent with what the creamery is already using and what the dairy industry is doing. Document all wires existing and new, some of the labeling has worn off.
   k. Q: Can the contractor work nights and weekends? A: Yes, but need to ensure the creamery is ready for production each morning.
   l. Comment that silos may have a longer lead time than the contract allows for. WSU will address the contract time as appropriate when delivery times are given.
   m. The addendum will include information on the existing PLC.

5. There was confusion regarding the Base Bid & Alternate #3. A Bidder was thinking the VFD’s for the new dairy equipment were included in alternate #3.
PRE-BID MEETING

Clarification: All material & labor included in the Division 26 & 27 drawings and specification are part of base bid with the exception of the connections to the smoker components (ES-1 & EH-1) which are included in alternate #1.

The existing VFD’s in the existing plant do not require replacement.
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>
New Receiving I/O
- EtherNet 10-100M Bridge Module
- 74-265 VAC Output 16 Pts (20 Pin)
- 79-132 VAC Input 16 Pts (20 Pin) x2
- Analog Input - Current/Voltage 16 Pts (36 Pin) x2
- Analog Output - Current/Voltage 8 Pts (20 Pin)

EtherNet/IP001: Switch001

HTST I/O
- Not upgraded

EXISTING HMI
- WINDOW 7 PC

Plant computer (plus a bunch of wiring conversion stuff)
- Logix5571 Controller With 2 Mbytes Memory
- 74-265 VAC Output 16 Pts (20 Pin) x5
- 79-132 VAC Input 16 Pts (20 Pin)
- 10-31 VDC Input 16 Pts (20 Pin) x2
- Analog Input - Current/Voltage 16 Pts (36 Pin)
- Analog Output Module, 8 Isolated Points, Current and Voltage, 36 Pin
- ControlLogix Remote I/O Module

Cheese vat:
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RECEIVING BAY HMI

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