ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Barnard Hall Electrical Service Upgrades
Location: MSU Bozeman
PPA No.: 16-0015
Date: 3/9/17

To: All Plan Holders of Record

The Plans and Specification prepared by D. P Lund Company dated 2-14 and 2-15-2017, shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. PRIOR APPROVALS
   A. No requests for prior approval have been received to date.

II. AMENDMENTS TO THE PROJECT MANUAL
   A. Building electrical outages will only be allowed during weekends.
   B. A maximum of (2) outages, each up to 8 hours in duration will be allowed.

III. AMENDMENTS TO THE DRAWINGS
   A. None.

IV. GENERAL INFORMATION
   A. We are providing one-line diagrams for the existing electrical distribution system to aid in coordination of outages.
   B. The engineer’s opinion of probable construction cost is: $53,735.00

V. ATTACHMENTS
   A. Pre-Bid Meeting Minutes.
   B. Pre-Bid Sign-In Sheet.
1. The attendance sign-in sheet was circulated and is attached.
2. Loras covered the following contract items:
   a. Bid documents are available at the plans exchanges or from MSU.
   b. At this time, there is no other work that is planned to be concurrent with this project.
   c. This project does not contemplate owner furnished equipment.
   d. The project contemplates using the mechanical and electrical rooms for material staging.
   e. The Contractor will be responsible for taking 2 sets of plans to the Bozeman Building Department to obtain an electrical permit. There will be no plan review fees.
   f. The bid opening, which is unchanged from what is listed in the bid documents is: 3/23/2017 at 2PM.
   g. Bids are required to be accompanied with a bid security in the amount of 10% of the bid.
   h. The final addenda is anticipated to be issued on 3/16/2017 or before.
   i. Performance and labor & material bonds for 100% are required for all projects over $25,000.
   j. State tax of 1% applies to all projects over $5,000.
   k. Prevailing wage payment & documentation is required for all projects over $25,000.
   l. General liability, owners protective liability, and property insurance in MSU’s name is required.
   m. The project completion date is August 18th, 2017.
   n. The contract will contain a $100 per calendar day liquidated damages provision.
   o. The project will have construction meetings.
   p. The building occupants have provided feedback on acceptable building electrical outages. The addenda will clarify the need for weekend work.
3. Dana covered the following items:
   a. The project can generally be described as:
      i. Replacement of select breakers in the service 480-volt switchboard and one breaker in the 208-volt switchboard.
      ii. The installation of a fused disconnect electrically ahead of motor control center MCC-1.
   b. Square D has developed a bill of materials for the breakers. The quote identification number is provided on the first sheet of the plans.
   c. The 10-day prior approval deadline is 3/13/2017. No requests have been received at this point.
   d. The engineer’s opinion of probable cost is $53,735.
   e. Scheduling and Phasing.
i. The replacement of the switchboard breakers will require a complete building outage.

ii. In all likelihood installing the fused disconnect ahead of the motor control center will require another building outage. The conductors that feed the MCC originate in the 480-volt service switchboard. These conductors will need to be pulled back to accommodate the MCC work.
   1. It may be possible to complete this work at the same time that switchboard breaker replacement takes place, depending on the crew size utilized.

iii. The building has a 277/480-volt generator that powers the life safety and emergency loads. The generator also powers a transfer switch associated with a clean room in Barnard Hall. The generator, via a 3rd transfer switch, also provides life safety power to Copleigh Hall, which is a separate building north of Barnard Hall.

iv. Building outages are a significant issue for the owner. They have an impact on a large number of people and processes that are taking place in the building. The Contractor will be required to limit the number of outages and to closely coordinate the outages with the owner.

v. The engineer will provide a one-line diagram for Barnard Hall with the next addendum. This one-line will aid in the coordination and understanding of outages.

4. Building Walk
   a. The meeting concluded with a walk through of Barnard Hall. The following items were discussed:
      i. The building main breaker is located in its own switchboard section. It appears that the service conductors enter this section. It would appear that the other sections would be completely deenergized by simply operating the main breaker. If this is the case it would eliminate the need to deenergize the building main transformer.
      ii. Loras clarified that MSU will be responsible for any non-electrical distribution equipment restart. This would include HVAC equipment, the fire alarm system, etc.
      iii. MSU electricians will be available to confirm generator operation, fire alarm system function, etc. at the beginning of building outages.

Please contact me if you feel there are errors or omissions in these meeting notes or if you have questions or concerns.

Respectfully Submitted,

Dana Lund, PE

These minutes are assumed to be a true and accurate record of this meeting unless written notification to the contrary is received by our office no later than five (5) days from the date of issuance above.

ENC:
   • Pre-Bid Meeting Sign-In Sheet
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<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Email</th>
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<tbody>
<tr>
<td>Chris Bakken</td>
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