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Addendum #4
Solicitation # 20-10AA
Hot Water Distribution System Balance of Plant (Mechanical) at Duluth Energy Systems

This addendum serves to notify all bidders of the following changes to the solicitation documents:

Questions and Responses:

1. With the late addendums yesterday and the reference for "future information to come" in addendum 3, will the due date for this bid get extended?
 - A. **Bid due date will not be extended. The "upcoming ASI" information intent is to let this Contractor know about items that could affect price ahead of time so a C.O. related to the post-award ASI can be avoided. The ASI itself will not be issued until the contract is awarded.**
2. There have been several inquiries on potential modifications to/temporary removal of portions of the roof to facilitate rigging and install. General area to be removed ~20'x50'. Will this be allowed and will ACM abatement be necessary for this work?
 - A. **Base Bid shall include no modifications to roof. Provisions for an 18'x18' roof opening may be included as a V.E. Alt/Deduct option. Assume all risk and costs for abatement by DES (actual opening and roof replacement by Contractor). Note: due to existing purlin-wall support reactions no more than 2 purlins may be removed – hence the maximum opening size of 18'x18'.**
3. **UPDATED FROM ADDENDUM #3** - Division 25 Integrated Automation to be issued in the future. Does that mean all PT, FT, TT, CV, FCV, PDT and LT will be included in that package?
 - A. **No. To avoid coordination conflict all equipment and piping devices installed in piping, powered or otherwise, to be furnished and installed by this Contractor. The full electrical construction package is available for download from Bid Express for coordination and reference.**
<https://duluthmn.gov/media/9626/invitation-to-bid.pdf>
4. Are we to assume fiberglass and Aluminum jacketing on all insulated piping? The spec is a little vague as to what field applied jacket to use. The only jacket listed is under the materials section and that's PVC which I don't think is the best application considering the rest of the plant has aluminum jacketing already.

- A. Aluminum jacketing is preferred everywhere – both internal and external. Cellular glass (Foamglass) insulation is required in exterior areas, at minimum.**
5. Typically, we would do removable blankets for the valves and other items you need access to. Is this acceptable/what is expected?
A. Yes. Removable blankets are preferred.
6. What insulation specification are we to use for exp tanks, air separator, etc. same as piping assumptions? Aluminum jacketing and fiberglass?
A. Aluminum jacketing is preferred everywhere – both internal and external. Cellular glass (Foamglass) insulation is required in exterior areas, at minimum.
7. In the slab area there are 2 fire water lines and a drain pipe dropping in to a catch basin. How are these items to be dealt with in the new concrete plan?
A. Intent is to avoid or excavate around. Relocate as necessary after verification in field.
8. Are there any other existing utilities in this area?
A. We are unaware of any other existing utilities, based on the limited site plan information available. If there are field concerns of existing utilities, a survey should be conducted. Be advised that an entirely new electrical service feeder will be running through this general area as part of the Electrical Construction package released yesterday. Coordination with the EC will be critically important. The full electrical construction package is available for download from Bid Express for coordination and reference.
<https://duluthmn.gov/media/9626/invitation-to-bid.pdf>
9. In the pad footing/pier area are there any existing utilities?
A. Same response as previous.
10. In both areas there will be pavement removal needed. Would you like the price to include the pavement patches?
A. Yes.
11. I do not see where it specifically calls out the material for the hat channel behind the metal wall panel. We would normally use an 18ga galvanized hat channel in this application. Can you confirm that is sufficient and will work for this project?
A. Hot-Dipped Galvanized is acceptable.

12. Hat channel spacing is at 2' on center. Spanning capabilities on this panel are much farther apart than that, would it be acceptable to install the hat channels at 4' on center?

Base Bid shall include current design. Suggested cost reductions may be may be included as a V.E. Alt/Deduct option.

13. The specification for the Aluminum siding panel calls out for a 3 coat finish. What this does is add a 3rd coat (a clear coat) to the manufacturer's standard 2 coat finish. This is not a stock item and would be considered a custom color situation which would force me to buy a minimum quantity of 6,000 – 8,000 sf of material (this project is approximately 1,000 sf). The standard 2 coat finish does still cover the 30 year warranty that is specified. Is the 2 coat finish acceptable?

A. Yes.

Changes/Clarifications to Drawings and Specifications:

- Under Specification 230523 Section 2.8.A
 - **Strike this item. Non-High Performance Butterfly Valves are not acceptable for use in this Project. All BFV's to be High-Performance.**
- COVID-19 Planning. Please see attached policy.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation or by initialing and dating next to Addendum # on the paper bid form.

Posted: **04/28/2020**

Duluth Energy Systems
Contractor Site Requirements – COVID Control
Revision: 04/24/2020

Personnel who are even slightly ill are not permitted to report to the site.

- DES reserves the right to do monitoring of any personnel reporting to site for symptoms of COVID, in its sole discretion.

All personnel must practice proper infection-control hygiene:

- Frequent hand washing and use of hand sanitizers is required. Portable handwashing stations are required to be provided by the contractor for all staff.
- All surfaces in break and restroom areas must be disinfected routinely after each use and not less frequently than once per day.
- All contractor personnel are required to maintain personal distance of the recommended 6 feet wherever possible. When not possible, physical barriers shall be used when reasonably able to be deployed.
- Shared tools must be disinfected not less frequently than once per day.

Because the health of operations personnel is critical to continuity of DES's heating and cooling services, we must maintain physical separation and minimize contact. To accomplish this:

- Contractor personnel shall not utilize operations restrooms. Portable toilets and handwashing stations shall be provided by the contractor for contractor personnel.
- Contractor personnel shall not enter the facility control room. Lockouts will be completed outside of the control room and facilitated by the DES project manager.
- Communication with operations personnel remains critical in the operating facility for the safety of all personnel and continuity of operations. Please call the operators by phone or by radio if there are any questions or items of coordination needed prior to the start of work.
- Contractors must not bring vendors or subcontractors on site without prior communication with the DES project manager. There shall be no unscheduled vendor or subcontractor site visits.