

*"Village with a Past, City with a Future"*



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**ADDENDUM NO. 2**

**This addendum consists of 7 pages with attachments.**

**TO:** All Bid Packet Holders

**FROM:** City of Kenai Public Works Department

**DATE:** March 15, 2019

**SUBJECT:** Invitation to Bid – Waste Water Treatment Plant Replace Blowers for Aeration Basins and Digester; DO Analyzer Installation

**DUE DATE:** **\*\*\*REVISED\*\*\* March 27, 2019, by no later than 2:00 PM**

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**Bidders must acknowledge receipt of this Addendum in the appropriate place on the Bid Form. Failure to do so may result in the disqualification or rejection of the bid.**

Note: Information in this addendum takes precedence over original information. All other provisions of the document remain unchanged.

02-01 Clarification

***Bids Due date is now changed from March 20, 2019 to March 27, 2019, 2:00pm at City Hall. Last Day for Questions changed to March 18, 2019 by noon.***

02-02 Plan Holder Question

"Can you please provide a copy of the plan holders list?"

***Response: See attached plan holders list.***

02-03 Plan Holder Question

Aerzen has a few questions on the project to submit:

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Turbo spec:

Section 2.03.D.5.f. The Aerzen inverter does not require a sinusoidal filter to clean up the AC power. The PAWM inverter output more closely resembles a classic sine wave than the PWM design. The result is less heat generation. Please make the requirement for sine wave filter "as needed" based on design.

**Response: Please provide what is requested in the specification. If there is an alternative way to meet the specified requirements that has cost or operational advantages, please submit as an alternative with a cost difference and it will be considered.**

02-04 Plan Holder Question

2.03.D.5.e. A line reactor was specified, but not a passive harmonic filter. A PHF is more typical, unless there is no concern about harmonics in the plant utility system. However, unless it is specified, we won't include it and risk a commercial disadvantage. Either way (LR or PHF), the component must be mounted separately.

**Response: Please provide what is requested in the specification. If there is an alternative way to meet the specified requirements that has cost or operational advantages, please submit as an alternative with a cost difference and it will be considered.**

02-05 Plan Holder Question

PD Spec:

The inlet is piped. Does each blower need its own outdoor inlet silencer or are they piped together.

**Response: Disregard requirement to pull outside air. The existing blowers pull from the blower room and the new ones can as well. Please ensure that each blower has an inlet silencer since it will not be a shared inlet manifold.**

02-06 Plan Holder Question

The inlet filter on the blower is fully capable of filtering the inlet air. An outdoor filter within the silencer is redundant. Recommendation is to have the outdoor silencer have a debris screen only.

**Response: Disregard requirement to pull outside air. The existing blowers pull from the blower room and the new ones can as well. Please ensure that each blower has an inlet silencer since it will not be a shared inlet manifold.**

02-07 Plan Holder Question

What are the make and model of existing DO analyzers and how are they mounted.

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**Response: There are no existing DO analyzers currently installed.**

02-08 Plan Holder Question

From Talking with Hach (specified DO analyzer manufacturer), it is advisable to provide a single run of cable from the analyzer to each probe, as opposed to splicing cables together as needed. With that in mind, please provide approximate length of runs for the following: AIT-120 to AE-400, AIT-120 to AE-120A, AIT-120 to AE-120B, AIT-120 to AE-120C, AIT-120 to AE-120D.

**Response: Please provide 196' cabled probes for all probes for bidding purposes.**

02-09 Plan Holder Question

On plan sheet E4, "What does the numbers inside a circle mean?"

- a. 50
- b. 50G
- c. 51

**Response: These numbers are relay terminology and symbols. They represent overcurrent protection. 50 is instantaneous and 51 has a time delay. 51G is how the current transformers would be wired to ground.**

02-10 Plan Holder Question

I am an equipment supplier looking to provide blowers for the subject project. Is the plan holders list posted in addendum 1 up to date, or is there a newer version available.

**Response: Please see the attached latest plan holder list.**

02-11 Plan Holder Question

Was the Pre-Bid meeting mandatory?

**Response: Pre-Bid meeting was not mandatory.**

02-12 Plan Holder Question

Is there any possibility that the bid date can be delayed?

**Response: Bids due date revised to March 27, 2019 by 2:00pm at City Hall.**

02-13 Plan Holder Question

Does this project require all steel and iron products to meet AIS or Buy America? We cannot find any reference in the specifications.

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**Response: AIS and Buy America were not requirements of this Grant, as such they are not required with this project.**

02-14 Plan Holder Question

Is this project Buy American? If so which one?

**Response: See response to 02-13.**

02-15 Plan Holder Question

It doesn't appear the blowers can be manufactured and received onsite in the specified time frame. Will the time frame be reconsidered for lead times of the units?

**Response: Required Date for Substantial Completion is now changed to October 31, 2019.**

02-16 Plan Holder Question

It was brought to our attention that one of the blowers is currently inoperable. Is this unit going to be fixed and provided for contractors use? If not please provide status and mechanical report of the blower including cost to fix. This may be a cost savings compared to renting a temporary unit.

**Response: For bidding purposes Contractor shall not expect the inoperable unit to be usable. City Staff is attempting to repair, but there is no guarantee we will be successful. The inoperable unit shuts down after short periods due to excessive vibration. Bearings have been replaced and regreased to no avail. We are attempting to mill a new shaft.**

02-17 Plan Holder Question

How many Aeration Blowers have to be working at one time? Please provide volume and pressure needed for the Aeration Basins.

**Response: Currently two aeration blowers for the aeration basins are required to be operational at all times. We have concerns as we get closer to the summer demand whether they will be able to keep up with the amount of air loss within the current piping. Will confirm volume and pressure needed with engineer and include in addenda 3 next week.**

02-18 Plan Holder Question

Do both Aerobic Digester Blowers have to be working at one time? Please provide volume and pressure needed.

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**Response: One of the existing Digester blowers can provide enough air. We also shut down the digester aeration the night before we intend to press sludge to allow the tank to settle for more effective pressing, i.e. we can go up to 24 hours with no aeration at all. This is typical for twice a week depending on loading. Will confirm volume and pressure needed with engineer and include in addenda 3 next week.**

02-19 Plan Holder Question

Please verify is GC is to provide superintendent at project at all times. 01 45 16.13-3 3.03 B states CQC staff is to be at site at all times as well. Please verify this is required at all times.

**Response: GC is responsible for all of their staff and subs at all times while on City property. With that said, superintendent should be on site for major portions of the work requiring coordination of shutdowns, etc., however will not be required to be on site for minor portions of the project.**

02-20 Plan Holder Question

Please confirm that City is paying for utilities (power, water) during project.

**Response: Confirmed. City will pay for these items.**

02-21 Plan Holder Question

With the combination of the two projects it shows two bid forms and duplication of information. Please advise to which one we will be going off of for bids, contracts, etc or if both are the exact same.

**Response: Contract docs for both related to Division 1 are the same. Bid sheets are identical, and only one bid sheet shall be submitted in response to the project documents.**

02-22 Plan Holder Question

On the Bid Form in the Major Equipment Schedule list please advise on what is associated with the equipment. Is it just the price for the equipment and all components from the manufacturer, labor for the installation, electrical connections?

**Response: Include all costs associated with the complete installation of each line item on the major equipment schedule.**

02-23 Plan Holder Question

How do you bid DO Analyzer system relative to the Major Equipment Breakdown schedule?

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***Response: Provide the full cost of installation of all Hach related equipment in section 3 of the equipment schedule. When figuring the number for the deductive alternate #1 which removes the digester blowers from the scope, include the removal of the digester related Hach equipment.***

**END OF ADDENDUM**

