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**Bid # 2062 Prop 39 HVAC Modernization Project  
Addendum # 5  
May 18, 2018**

To: All Prospective Bidders

THE FOLLOWING REVISIONS AND/OR CLARIFICATIONS SHALL BE MADE TO THE BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS. REVISE AND AMEND THE DOCUMENTS FOR THE ABOVE NAMED PROJECT IN ACCORDANCE WITH THIS ADDENDUM. THE BID SHALL REFLECT THESE ADDENDUM CHANGES AND EACH BIDDER SHALL MAKE REFERENCE IN THEIR BID TO THIS ADDENDUM ALL BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS SHALL APPLY TO THIS ADDENDUM AS ORIGINALLY INDICATED IN THE APPLICABLE PORTIONS OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE MODIFIED BY THIS ADDENDUM.

**Acknowledge receipt of this Addendum # 5 in the space provided on Bid Form. Failure to do so may result in the bid being deemed non-responsive.**

The Addendum consists of the following change:

**1. ADMINISTRATIVE ITEMS:**

- 1.1. THE BID OPENING HAS BEEN POSTPONED FROM Tuesday, May 22, 2018 at 1:00PM TO Tuesday, May 25, 2018 at 10:00AM**
- 1.2. CLARIFICATION:** Refer to Special Conditions Section 00800 Sub Section 2.2 Hours of Operations and **REPLACE** section to read: "Work will be coordinated with Construction Manager & College for minimum disruption to College operations and shall be performed during the following hours; Monday to Friday from 10:00 PM to 6:00 AM, Saturday 1:00 PM to 9:00 PM and Sunday 6:00 AM to 4:00 PM."
- 1.3. REMOVE:** Section 01010 Phasing of the Work and **REPLACE** with the attached revised Section 01010 Phasing of the Work

## 2. CHANGES AND/OR CORRECTIONS TO SPECIFICATION:

**2.1. REMOVE:** Scope of Work/Specifications and **REPLACE** with the attached revised Scope of Work/Specifications

**2.2. CLARIFICATION:** Please be sure to include Exhibit 1 Contractors Cost Table, from Addendum# 1, in your Bid Proposal

## 3. BIDDERS QUESTIONS

### RESPONSE TO QUESTIONS FROM BIDDERS

The following questions were received as Bid RFIs. Enclosed are responses to each. *The following revisions and clarifications shall become a part of the Contract Documents upon award of Bid. All bidders are required to incorporate all necessary changes, additions, or deductions into their proposals.*

Q: In the Project Manual, under Scope of Work (after Special Conditions), Section 1.2.Z (page 9) states:

“Quality Assurance

Z. The Contractor shall be regularly engaged in the installation and maintenance of DDC systems and shall have a minimum of five (5) years of demonstrated technical expertise and experience in the installation and maintenance of HVAC control systems similar in size and complexity to the project and have a maintained service organization”

Clarification: Our Subcontractor that we intend to use for this project meets all these requirements. Thus, as the GC bidder, we are qualified to bid. Kindly confirm.

A: Yes.

Q: Given that majority of the project is replacing outdated or pneumatic controls, is it the owner's desire to sole source Allerton controls or can a different manufacturer be used provided they can integrate to the existing campus BAS?

A: *RHC wants to keep the Allerton front end as the main access point to the controls in an effort to avoid having to log into separate control systems. The specified control sequences require central plant control based on building level information such as valve position. A different control system can be proposed as long all SOW requirements are met.*

Q: In addition to the AC-2, 3, 4, 5, record drawings for project #2 (Wray Building) have 2 H&V units with 4 associated EFs (sheet 245 of the pdf from the bid docs).  
Is there any scope for the 2 H&V units and their associated EF's? If so, please clarify requirements.

A: Yes

Q: What is the tentative start date?

A: 6/25/18

Q: The “contractors cost table” is not one of the required documents listed in section 00210 paragraph 1.03 Documents Comprising Bid Proposal.  
Is the “contractors cost table” a required document?

A: Yes

Q: Record drawing which includes AC units tagged as serving Bus Ed/Arts & Crafts shows heating coils on AC-1B and AC-2B (p246 of 417 in the RFP).  
Units with these tags are referenced in the scope of work as having the cooling valves are identified as to be replaced.  
Is there any scope associated with the hot water coil valves for these units?

A: Yes, see SOW section 1.2.1.1.d, also pasted below

- I. Pneumatic to DDC Retrofit – Business Building (Bus/Art)
  1. Pneumatic to DDC retrofit for HVAC equipment, excludes zone level mixing boxes. Includes installation of all required sensors and actuators (see points list) and full integration into existing Campus BAS.
    - a. Building HVAC equipment to be controlled includes:
      - i. Two (2) variable volume dual duct air handlers (AC-1B and AC-2B)
      - ii. Single zone air handler (Photo Lab)
      - iii. Three exhaust fans.
    - b. Replace existing pneumatically controlled 3-way chilled water valves with Campus BAS controlled 2-way valves (AHU-1B, AHU 3B).
    - c. Replace existing pneumatically controlled 3-way chilled water valve with Campus BAS controlled 3-way valves (AHU-Photo).
    - d. Replace existing pneumatically controlled 3-way hot water valves with Campus BAS controlled 2-way valves (AHU-1B, AHU 3B, AHU-Photo).

Q: On the contractors cost table section “N” test and balance of the Wray building can you clarify the number of zones? From working at the college there are no VAV’s in the Wray, Campus Inn or Music rooms. They are served by 3 air handlers with between 4 to 6 zones each.

A: See SOW section 1.2.N, also pasted below

- N. Test and Balance - Air Side Distribution – Wray Building
  1. Balanced air distribution system to insure all 15 zones are receiving design flow.
  2. See section 3.9 for TAB specifications.
  3. See Exhibit 6 – Science Building 2015 Tab Report for min and max CFM setpoint schedule.

Q: In Contractors Qualifications 1.04 D. it asks for all construction project in the last 5 years. That is a long list as we do lots of small projects. Can we just list 5 relevant projects?

A: *Yes, like/projects i.e. schools, municipalities, etc...*

Q: I know too late for RFI. But just came to my attention that on the contractor cost table under Test and Balance line "N" it lists 108 VAV's on the Wray Building. The air handlers are multi-zone with 4-6 zones each. There are no VAV's in the Wray building.

A: *This is a typo, there are only 15 zones*

Q: Reference Contractor Cost Table and scope of work item 'N'. Scope of work item 'N' directs contractor to balance air distribution systems at Wray Building to insure all 15 zones are receiving design flow. Contractor cost table item 'N' lists 108 zones and 6 air handlers at Wray building. This conflicts with the 15 zones shown in scope description. In addition there appear to be only Qty (4) air handlers at Wray building per Valve schedule attached. Please clarify the quantity of zones and air handlers at Wray and revise the scope or Cost Table accordingly

A: *See above, 15 zones total*

Q: What are the site work hours?

A: *Hours of work will be as follows;*

*10pm- 6am M-F*

*1pm -9pm Sat.*

*6am- 3pm Sun.*

Q: This extremely fast schedule that may be a challenge if there are delays of any kind (material lead time, submittal approvals, occupied areas) Is there a chance to extend the schedule?

A: *Substantial Completion 2/08/2019*

*Closeout Documents & Final Completion 2/28/2019*

Q: What provisions are planned for work in classroom/office areas?

A: *Work in classrooms will be after hours*

*10pm- 6am M-F*

*1pm -9pm Sat.*

*6am- 3pm Sun.*

Q: The specification includes Belimo Characterized Control Valves (CCV) for the Air Handling Units. Is this correct or do you require Pressure Independent (PICCV)?

A: *Up to the bidder's judgment.*

Q: What type of Belimo reheat valves are required for the zones:

- Characterized Control Valves (CCV)
- Pressure Independent (PICCV)

A: *Up to the bidder's judgment.*

**END OF ADDENDUM NO. 05**

**Enclosures:**

**REPLACE: Revised Section 01010 Phasing of the Work (5 pages)**

**REPLACE: Revised Scope of Work/Specifications (66 pages)**