Addendum #2

Please note the following clarifications are hereby made to the aforementioned RFP.

**Clarifications to Specifications**

EMS manufacturer is to be Schneider, not ALC.

Door Hardware per UNT Design Standards, cylindrical locks should be Best 93k series, Best cores, closers are LCN, and exit devices are Von Duprin.

**Questions and Answers**

Question 1: Drawing E1.01, A1.01 & A1.02 reflect 2 – new pole lights adjacent to existing sidewalk. The electrical drawings do not reflect the type of light, circuit or controls required. Please clarify

   **ANSWER:** The lights are existing and are shown for reference only. There are no new pole lights.

Question 2: Drawing E10.03 – Survey on Existing Switchboards and MCC has numerous loads that are not reflected on E series drawings. The new panel schedules on E10.00 are missing feeds for 2 – 600Amp chillers and various other items reflected in the “off” position. Note F on E10 series states “survey existing switch boards and verify if switches in off position are required to be re-fed.” The panel schedules will be the basis of the bid, do not reflect breakers required for loads in “off” position and the site survey will only be performed post award. Can we exclude all equipment in “off” position as there is no breaker or panel to feed such?

   **ANSWER:** Yes, this work can be excluded for the bid phase. The site survey should be performed post award.

Question 3: Drawing E9.01, Keyed Note 1, states “leave existing panel can in place to be reused as a splice box.” The E1 series drawings reflect new panels to go at same location as existing removed. E10 series reflect new panels to be flush. This would require removing complete existing panel and can to install new flush panel. Are the existing walls hot? Please confirm.

   **ANSWER:** The existing panels are energized and will be replaced entirely. Do not use the existing panel as a splice box. Re-feed existing circuits from the new panel. Coordinate power outages with energized panels with UNT.

Question 4: Drawing M9.01, VAV schedule, Remark # 3, states “single point power connection,” The E series drawings reflect no circuits or breakers to feed new VAV’s

   **ANSWER:** Provide a single pole 120V circuit breaker in each floor panel for VAV’s served on that floor.

Question 5: Drawing E1.00, Keyed Note 4, requires new 2 hour rated cable in new conduit from new transformer to existing fire pump. The drawings do not reflect pipe or wire size required. Please clarify.

   **ANSWER:** Fire pump is 100 HP. For bid purposes provide 4#3/0 in 4 inch RGS conduit.

Question 6: E1 series drawings, Keyed Notes 4 & 5, states “relocate all IT/tele/comm devices and equipment to new IDF room. Extend associated circuit to new location.” We are replacing existing panel boards with new and re ting in existing branch circuits. Are any new branch circuits or devices
required? Will UNT be responsible for equipment relocation?

**ANSWER:** For bid purposes account for four (4) additional 120V circuits to each IT room from panel. UNT will coordinate and direct relocation of equipment. For bid purposes include labor to assist with relocation of IT equipment.

Question 7: Drawing E9.02 & E9.01, Detail 1, reflect to remove existing elevator disconnect. The new one-line does not reflect a new elevator disconnect. Please clarify.

**ANSWER:** Provide new 100A elevator disconnect at existing location. Re-circuit to disconnect from new distribution panel DP.

Question 8: Drawing A1.03 proposed plan for electrical, 122B reflects new surface mounted panels at location where removed recessed panels were. Panel schedule on E10 series reflect same new panels to be flush. Please clarify.

**ANSWER:** Replace existing panels with new flush panels.

Question 9: Are the (2) Chilled Water Pumps to be replaced? If so, we did not see anything on the Schedule or in the Specifications. Please advise.

**ANSWER:** The chilled water pumps will remain. No replacement.

Question 10: General Notes Existing Electrical Conditions Note 1.B. states "Repair or rework existing systems to remain so they comply with code requirements and operate properly". This statement leaves scope determination to each individual electrical contractor. How does UNT plan to scope this portion of the work as to fairly and accurately assess the bids they receive?

**ANSWER:** The note is provided for after the project is awarded.

Question 11: Please confirm the correct size generator.

**ANSWER:** Provide 80 kW

Question 12: Can UNT identify the pieces of equipment that is not operable and the pieces that are "to remain"?

**ANSWER:** UNT to identify equipment to remain after bid is awarded. For bid purposes assume all equipment on the wall is to be relocated.

Question 13: The Riser Diagram on Dwg E9.01 shows some rooftop equipment. **Question:** Please provide a rooftop plan.

**ANSWER:** A rooftop plan is provided with the Addendum see Attachment A Roof Plan

Question 14: We need the elevations between floors. The architectural, mechanical or electrical plans do not show floor elevation. Please advise.

**ANSWER:** Please see the Attachment B - Floor Elevations

Question 15: Please specify who will be supplying the transformer?

**ANSWER:** The pad mounted transformer is to be provided by the contractor. The specification is included in the bid set.

Question 16: Are other manufacturers of switchgear and switch board acceptable if they meet the spec otherwise?

**ANSWER:** There is no switchgear in this project. For the main distribution panel and sub panels provide Schneider Electric Square D products as listed in the specifications.

Question 17: Can Kohler Power Systems be allowed as an approved manufacturer for the Standby Generator System on this project?

**ANSWER:** Kohler can be included as a bidder.

Question 18: There is no point of connection for the HWS/R on M2.00. Can we get clarification on where that is? Are they in the basement?

**ANSWER:** Connections are in the basement, connect to main heating header.
Question 19: The demo plans don’t show the pumps to be demo’d but on pg M 8.02 it looks like the pumps get demo’d and new ones installed. Can we clarify this? If new ones are being installed please provide a schedule for these.

ANSWER: CHW Pumps are not in this scope, they are in the phase 2

Question 20: Is there any temporary HVAC or Electrical service needed during the (2) month construction time frame? - If replacing the CHW pump in the basements is in the scope of work. The entire buildings CHW system will be down during this work. Will there need to be temporary cooling needed?

ANSWER: Replacing the CHW Pump is in Phase 2, and not in this Phase of the project. (Disregard detail)

Question 21: The Heating water tie-in point is not identified on the provided drawings. If Hot Tapping can not be used, then the heating water would need to be shutdown and drained. Will there need to be temporary heating needed during this time frame?

ANSWER: This plant feeds two buildings, System shut down will require coordination of both buildings or a pipe freeze

Question 22: There was not Reflected Ceiling Plan in the provided document. Will you provide us with the RCP drawing?

ANSWER: No RCP.

Question 23: On Drawing M2.00, Where is the Heating Water Supply and Return that supplies the new FCU-B Tie-in point to main Heating water service?

ANSWER: They tie in to the adjacent HWS HWR lines as shown on M2.00W

Question 24: Will there be a construction laydown area? If so, where will it be located?

ANSWER: Construction laydown area and space for a conex will be provided off site at the Bradley street lot. Additional space may be available in Room 001 in the basement.

Question 25: What will be the parking access for the construction workers during the (2) month construction?

ANSWER: Limited parking will be provided near the construction site for some personnel. Most parking will be provided at a remote site and workers will need to be ferried to the construction site on a daily basis.

Question 26: On Drawing M2.00, At the Tie-in point for the CHW. Can we preform a Hot Tap or do we need to shutdown system and drain. Same question of the Heating water tie-in.

ANSWER: Pump and piping as indicated in details 1/M8.02 and 2/M8.02 not included in this work.

Question 27: M2.03 Keyed note #4 is missing, how should we terminate the RA duct?

ANSWER: Terminate duct with 45 degree cut, and ½” hardware cloth.

Question 28: M2.0 – no condensate shown for FCU – please advise, is an auxiliary drain pan required?

ANSWER: Route condensate to locate floor drain in mechanical room, auxiliary pan is required with moisture sensor.

Question 29: May I request the bid information for the last time this was proposed, please, Ma’am! 176509BS

ANSWER: Please see Attachment C- Tabulation sheet from 2016 RFCSP752-16-

Question 30: Would you be able to share with me what the budget is for this project? I need it for bonding purposes.

ANSWER: $1.6M estimated.

Question 31: Are other manufacturers of switchgear and switch board acceptable if they meet the spec otherwise?

ANSWER: Prior approval of any manufacturers differing from the design
documents would be needed.

Question 32: What size bar in the grade beam?
   ANSWER: This is unknown.

Question 33: Do any areas of the Wooten Hall MEP Phase 1 project test positive for hazardous material? If yes, do we include abatement & air monitoring in our base bid? And what areas/materials/rooms test positive?
   ANSWER: Yes, there are hazardous materials that will likely need to be removed prior to doing any work. UNT will provide abatement and air monitoring services. Contractor needs to accommodate time for abatement in their project schedule.

Question 34: Who is the preferred landscape/irrigation contractor for the campus?
   ANSWER: There is no preferred contractor for either of those trades. The only landscape or irrigation work that should be necessary is if damage occurs to the irrigation system during construction.

Question 35: For the interior demolition, will there be any additional drawings provided to detail how the ceilings are to be approached within the lecture halls? The drawings do not provide any direction as to if the ceilings are to be removed and salvaged as part of the work or if they are to be completely replaced. Seeing that the ceilings are not a standard 2x2 grid. A detail will be required to know how to price that portion of the work.
   ANSWER: All efforts should be made to reuse existing ceiling in the lecture halls.

Question 36: Is the roof under warranty?
   ANSWER: Yes, it is held by Soprema, Inc.

Question 37: Is the roof bonded?
   ANSWER: No

Question 38: Can UNT provide the roofing company contact to maintain any warranty?
   ANSWER: Yes, the warranty is held by Soprema, Inc.

Question 39: Has the structural needs been reviewed/engineered for the weight of the ERV?
   ANSWER: Yes, they have been reviewed.

Question 40: Can framing details for the roof penetrations be provided?
   ANSWER: Framing details will not be provided. Reference Mechanical Penetration notes on sheet M4.01 for additional information.

Question 41: Will an architectural roof drawing be provided? What shows the layout of the SBS Membrane walkway pads?
   ANSWER: No. An architectural roof plan will not be provided. Contractor to provide membrane walkway pads around all roof equipment with a path back to the roof hatch. Reference sheet A1.04 for additional roof plan details.

Question 42: Will there be additional details provided for the necessary structural supports of the roof where the new equipment is being installed?
   ANSWER: No. Reference drawing M4.01 for additional structural notes.

Question 43: Will the roof require walk-pads?
   ANSWER: Yes. Provide walkway pads around all roof equipment with a path back to the roof hatch.

Question 44: Who is the warranty holder for the roof of the building? Or who is the preferred roofer?
   ANSWER: See answer to question 36.
Question 45: I couldn’t attend the pre-bid meeting for Wooten Hall MEP Phase will there be removal or potential to perform asbestos abatement on this project, please let me know

   **ANSWER:** Yes, see answer to question #33.

Question 46: Question indicating that the door hardware specifications provided do not match the UNT Design Guideline.

   **ANSWER:** For Door Hardware and per UNT Design Standards, cylindrical locks should be Best 93k series, Best cores, closers are LCN, and exit devices are Von Duprin.

-End of Addendum-

Denise Harpool

Issued by
October 10, 2019

**ACKNOWLEDGEMENT:** Please acknowledge receipt of this addendum by initialing the appropriate line on the Addenda Checklist, Section 4 of the RFP.
1. PROVIDE UNISTRUT TYPE ASSEMBLY TO SUPPORT PANELBOARDS AND RECEPTACLE. ASSEMBLY SHALL BE ABLE TO WITHSTAND ENVIRONMENT. SUPPORT ASSEMBLY SHALL BE DESIGNED BY A TEXAS LICENSED STRUCTURAL ENGINEER. COORDINATE LOCATION WITH EXISTING.

2. FACTORY MOUNTED RECEPTACLE TO BE FIELD WIRED TO LR-13.

A. REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.

B. REFER TO SPECIFICATIONS.

C. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION REGARDING BRANCH CIRCUITS.

D. REFER TO FEEDER SCHEDULE FOR ADDITIONAL INFORMATION.
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