Addendum Number Two

Ferguson Center Theater Audiovisual System
The University of Alabama
Tuscaloosa, Alabama

UA Project Number: 022-18-1747

Bid Time & Date: Friday, October 19, 2018 at 10:00 am local time, UA Facilities Administration Building, 1st Floor Conference Room

Date: October 12, 2018

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 2, 2018. Acknowledge receipt by inserting its number on the Bid Proposal Form. Failure to do so may subject Bidder to disqualification.

This Addendum to the Bid Documents includes the following:

I. General / Clarifications

1. Bidder’s questions with answers are attached. The answers are shown in red.

2. Please click this link for the preliminary construction drawings https://alabama.box.com/s/q0e6r2deegg60x726pfifi7065142rgxi
   Disregard the link in the Addendum One, as it was not accessible to the bidders.

Attachments:
Bidder’s questions (4 pages)

-END of Addendum #2-
Please see the below RFI questions and answers.

1. Reference TA611.1, TA800, and specifications - There is two types of speakers for the Left, Right, and Center speakers. Non-Powered JBL 3732 as show in TA611.1 and Powered JBL VRX963LAP as show in TA800 and in the specifications.
   a) Please clarify, is this to be priced separately as upgrade option?
   A: The Correct speakers to be used for the L-C-R is the JBL VRX932LAP, total of 9 speakers.

2. Reference specifications - Upgrade Sound System. Replace speakers, amplifiers and surround sound processor together with DSP. Configure Cisco Switcher with the proper IGMP Settings to manage Dante network, provide copy of switcher configuration as part of close-out documentation.”
   a) Please clarify this statement - Is this upgrading from non-powered speakers to VRX powered? Is it to be price separately as an option?
   b) What is the reference to replacing the surround processor and DSP? The drawings and specifications show all the required processing. There just needs to be an amplifier change to go with the VRX. Please clarify.
   A. The current audio system will be replaced – This should be priced ad an ADD-Option in the system.
   B. There is currently a Denon Surround Sound processor and a BIAMP DSP, in the ADD-Option you should include the Crestron Surround processor and the BIAMP Tesira DSP as well as the Crown Amplifier for the surround speakers. The VRX is a self-powered speaker.

3. Reference Specifications - Upgrade Wireless Microphones: Configure Microphones into DSP and add Microphone control page into the Touch-Panel.
   a) Is this just adding the wireless Dante to the switch and creating a control page? Do you intend to remove it from the mixer? Is this to be price separately as an option?
   A: Microphones are to be wired direct into the Mixer - They are no longer required to be wired into the Dante network.

4. Reference Specifications - Projection System Upgrade
   a) Is this upgrading from the NEC projector show on the drawings to Christie show in the specifications?
   Is this to be price separately as an option?
   b) Is the screen also upgraded from a 99780 show in the drawings to a 99781 as spelled out in the specifications? Is this to be price separately as an option?
   - Projector and screens should be the following:

<table>
<thead>
<tr>
<th></th>
<th>Projection System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christie</td>
<td>D20HD-HS</td>
</tr>
<tr>
<td></td>
<td>16K Lumens Laser Projector</td>
</tr>
<tr>
<td>Christie</td>
<td>140-114107-XX</td>
</tr>
<tr>
<td></td>
<td>Ultra Short Throw Lenses</td>
</tr>
<tr>
<td>Dalite</td>
<td>99780</td>
</tr>
<tr>
<td></td>
<td>243&quot; Professional Electrol</td>
</tr>
</tbody>
</table>

5. Reference specifications – 2 ea. Attero Tech unDX21O+-B
   a) Where are these to be located? I did not see them referenced on the drawings.
   A: They are audio IO plate that will be placed next to the Crestron TX below TP at the stage.

   a) Why use AEC cards in this application? Can these all be SIC-4 cards?
A: AEC is to be used for future use.

7. Reference specifications and drawing TA611.1 – JBL Subwoofer 4642A
   a) Where are the 2 ea. sub woofers to be located? I did not find a reference location in the drawings.
   A: Subwoofers are to be placed under the stage, one at each side.

8. Specifications Projection Systems – In reference to Projector and Lens, the specifications states the manufacturer as Christie, however the model numbers are manufactured by NEC. Which is the correct manufacturer and model numbers? Please note, if NEC is the manufacturer, the model number for the Lenses has been discontinued. If Christie, please verify their Ultra Short Throw Lens works with the specified projector. It only works with a limited product lines.

Please also note as mention in previous RFI, the drawings show both the NEC and Christie projector.
   A: See answer above for correct projector and lenses model.

9. Consultant: AG/Audio Visual Consulting
   Project Discipline: Audio/Visual UA Project Number: 022-18-1747
   Project Name: Ferguson Center Theater Audio Visual System

This is a request for information for the following items of work for the above named project and is in no way an authorization to proceed or order for any changes or additional work, and it does not revise the contract price.

Regarding: Equipment Substitutions
Please see the below table for proposed equipment substitutions

<table>
<thead>
<tr>
<th>Specified Equipment</th>
<th>Proposed Alternative</th>
</tr>
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<tbody>
<tr>
<td>Biamp Tesira SERVER-IO</td>
<td>QSC Core 510i</td>
</tr>
<tr>
<td>Biamp Tesira SEC-4</td>
<td>QSC CIML4-HP</td>
</tr>
<tr>
<td>Biamp Tesira SOC-4</td>
<td>QSC COL4</td>
</tr>
<tr>
<td>Biamp Tesira DAN-1</td>
<td>QSC CDN64</td>
</tr>
<tr>
<td>Crown Dci 8/600-DA</td>
<td>QSC CXD8.40N</td>
</tr>
<tr>
<td>JBL 6310</td>
<td>QSC SR-1030</td>
</tr>
<tr>
<td>JBL 4642A</td>
<td>QSC SB-7218</td>
</tr>
<tr>
<td>JBL VRX332LAP</td>
<td>QSC KLA12</td>
</tr>
<tr>
<td>NEC NP-PH1202HL1</td>
<td>Digital Projection HighLite LASER II</td>
</tr>
<tr>
<td>Dalite 99781</td>
<td>Draper 114617L</td>
</tr>
</tbody>
</table>

- Equipment is approved
- Draper screen must be a replacement of the Dalite 99780
- The Projector is a Christie, not NEC - Replacement must be of at least 16K Lumens, Laser and support the same throw distance.

10. What will be the ceiling height of the completed new ceiling where the projector will be mounted
A: The floor is sloped, so in front of Stage, the ceiling will be approximately 16’-9” AFF. In the rear of the theater, the ceiling will be approximately 12’-0” AFF. Please see 50% drawings and as-built drawings for additional information.
11. Will chairs be permanently installed at the time we do our installation, or will that be at the very end? That will confirm if we need scaffolding or can use a lift for our projector installation.
A: This is to be determined once the main theater renovation package has been awarded. However, with the amount of work needed for the ceiling, it is our goal to have everything overhead completed before the seating is installed. There is a chance that installation of only the projector mount will be needed, and that the projector itself will be installed later.

12. Normally UA is fully Crestron on the rest of campus….is Crestron preferred for this project over AMX?
A: Yes, Crestron is the preferred control system.

13. Could you provide an indication of the finished ceiling type?
   a. Flat lay in tile.
   b. Lay in tile with a saw tooth (teeth)
   c. Lay in tile with a cove(s)
   d. Hard
   e. Hard with lighting placement
   f. Other: Suspended acoustical lay in ceiling clouds. Please see the 50% drawings for additional information and dimensions.

14. What is the height above the drop ceiling to the deck?
A: Please see the 50% drawings as well as the as-built drawings for additional information.

15. Will any free air wire paths be in plenum areas?
A: All cabling should be inside conduits provided by the EC.

16. If there is a discrepancy between the specification and the drawing do we rely on Section 5? If yes to previous question is this factored into the bid review process?
A: Yes and yes. Drawings should be over the specifications. Please note that this list of questions supersedes the final equipment model.

17. Verify model numbers of JBL Speakers. Powered Line-array or not?
A: JBL VRX932LAP – powered.

18. Verify model number of Christie projector.

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<td>1</td>
</tr>
</tbody>
</table>

19. Verify model number of Christie lens.
A: 140-114107-XX
20. Verify model number for wireless mics. Dante or not?
A: Non-Dante.

21. What are dimensions of existing rack? RUs and depth?
A: H65.76xW61.75

22. What are under stage dimensions where subs will be located?
A: The stage floor is approximately 3'-0" AFF, 15'-0" from apex of stage to the projection screen, and approximately 25'-0" wide. Exact dimensions need to be field verified by the contractor due to the framing and support of the stage.
Note that the subwoofers will fit.

23. Is there a structural engineer approved drawing for attaching projector mount to structure?
A: No, integrator is responsible for providing structural drawings for the projector on the submittal package.

24. Is there a structural engineer approved drawing for attaching line array rigging to structure?
A: No, integrator is responsible for providing structural drawings for the speaker rigging on the submittal package.

25. Confirm new date for deliverables after bid opening.
A: TBD after award and scheduling of main theater renovation package.

26. Follow up to penalty clause: Can you confirm the answer at the pre bid meeting that exceptions will be taken into account for unforeseen events. (For example, if abatement takes longer than anticipated, or other trades run over, thus holding up the start date for the A/V portion.
A: Once the main theater renovation package has been awarded to a general contractor, there will be an official project schedule created, agreed upon by ALL contractors/vendors/suppliers/etc., and then published. If the liquidated damages clause is required to be enforced, then the schedule will reflect the cause, and thereby indicate the responsible contractor/vendor/supplier/etc.