



UNIVERSITY OF SOUTH CAROLINA

AMENDMENT NO. 2 TO SOLICITATION

TO: ALL VENDORS

FROM: Ashley Kennedy-Shell, Procurement Officer

SUBJECT: SOLICITATION NUMBER: USC-RFQ-3341-AS

DESCRIPTION: Turnkey Installation of Audio and Control System at USC Band Practice Facility at the Columbia Campus

DATE: July 26, 2018

This Amendment No. 2 modifies the Request for Quotes only in the manner and to the extent as stated herein.

Item 3 of subsection B. Equipment List (page 7 of the solicitation) has been revised.

Section D. Equipment and Specifics (pages 11, 12, and 13 of the solicitation) has been revised.

BIDDER SHALL ACKNOWLEDGE RECEIPT OF AMENDMENT NO. 1 IN THE SPACE PROVIDED BELOW AND RETURN IT WITH THEIR BID RESPONSE. FAILURE TO DO SO MAY SUBJECT BID TO REJECTION.

Authorized Signature

Name of Offeror

Date

Item 3 of subsection B. Equipment of Requirements of the solicitation has been revised and now reads as follows:

The following equipment will be provided by the owner but shall be mounted, connected and adjusted by the contractor under the same provisions of this specification (excepting warranty of these materials).

- Apple iPad, 1/8" DI Box(s), Previously installed conduit (may need to be extended by contractor).
- **University will provide external wireless access point coverage for entire field using new antennae and existing wireless networks. Wired network access also provided to inside equipment rack for network communication to field through these antennae. Control access list will be implemented on equipment rack to limit access to university provided control iPad only via campus network switches.**

Item D. Equipment and Specifics of the solicitation have been revised and now reads as follows:

Specifications below identify specific equipment to be included in the installation project. Some items are unique in design and purpose and are designated with the exact model and manufacturer specified (no substitutions desired). Items without a model listed can be determined by the contractor as long as item meets the minimum specifications.

Proposed substitutions must be submitted for approval by no later than Deadline for Receipt of Questions. Quotes with unapproved substitutions will not be considered.

As previously mentioned, specifications below identify specific equipment to be included in the installation project. Some items are unique in design and purpose and are designated with the exact model and manufacturer specified (no substitutions desired). Items without a model listed can be determined by the contractor as long as item meets the minimum specifications. **Proposed substitutions must be submitted for approval by no later than deadline for receipt of questions. Quotes with unapproved substitutions will not be considered.**

Install New Permanently Mounted Loudspeaker and Control System to Include:

2 qty. Fulcrum FH1596 Full Range Coaxial Loudspeaker – Weather Resistant - Black

2 qty. Rated Rigging Hardware Assembly for Fulcrum Speaker to include 5:1 Safety Factor shall be engineered and provided by Polar Focus or Adaptive Technologies.

1 qty. Stereo Amplifier. Amplifier shall provide no less than 1100 watts per channel at 8 ohms. Distortion (typical) shall be equal to or better than 20 Hz–20 kHz: 10 dB below rated power < 0.03% THD / 4Ω and 8Ω; 1.0 kHz and below: full rated power < 0.03% THD / 4Ω and 8Ω. Amplifier shall be of professional installation grade and have barrier strip inputs, terminal block outputs and rear-to-front airflow. Acceptable brands include Crown, Lab Gruppen, Powersoft, QSC, Ashly and Linea Research (assuming their amp meets all the specifications above.)

1 qty. QSC Q-SYS Core 110f Unified DSP. DSP will be utilized to provide Level 1 TQ Processing for the Fulcrum Loudspeakers and provide system control through two (2) separate UCIs. All Q-SYS programming and UCI creation shall be completed by a QSC Q-SYS Level TWO Certificate holder.

1 qty. Q-SYS Core 110 UCI Deployment Software License, Perpetual. Two (2) separate UCIs shall be developed for system control (Q-SYS Touch Screen Control mounted in rack and Apple iPad for remote control from field/tower).

1 qty. "Q-SYS 4.7" PoE Touch Screen Controller for In-Wall Mounting. This controller will be mounted to a custom 2U flanged rack panel for mounting in the equipment rack.

1 qty. QSC Qualified Q-LAN Gigabit POE Audio Switch. The Q-SYS Q-LAN network uses Layer 3 DiffServ QoS. This type of QoS deploys differently on different networks and therefore requires user intervention to set up properly. Contractor must employ IT personnel capable of configuring this managed network switch. Only the most recent Qualified Q-LAN Audio Switch list should be used in order to insure compatibility with the latest Core 110f firmware.

~~1 qty. Outdoor Wireless Access Point with an outdoor antenna mounted to the exterior wall of the building. WAP shall be capable of bandwidth required for Q-SYS system control via an Apple iPad. The antenna shall be capable of providing adequate coverage at the conductor tower. WAP shall be connected to Q-LAN Gigabit POE Audio Switch.~~

University Technology Services will provide external wireless access point for full field coverage through campus networks and wired access to rack network (hardware access list for control iPad only).

The equipment rack specified shall house all amplifier, control, DSP, networking, wireless and sequencing components. Contractor shall supply appropriate microphone, speaker level, coax and twisted pair cable from the equipment rack to Conductor Tower and Outside Wall as follows:

Conductor Tower: 2 Speaker, 2 Microphone
Outside wall adjacent to Equipment Rack: ~~1 Network/WAP~~, 2 Coax/Antenna

Note: Network/ WAP will be provided through University Technology Services campus networks.