
Statement of Work

Date	5/12/2023
Client	Cherokee Nation Entertainment (CNE)
Job Name	CAT – Projector Upgrade to LED Video Wall

Summary

This is for procurement and installation of (4) LED video walls. These video walls will be replacing existing projectors and screens. This is for the Salon meeting rooms at the Hard Rock Hotel & Casino in Catoosa, OK.

This work consists of but is not limited to, pulling pertinent cable to designated locations, installing all AV equipment per specifications, labeling and testing equipment.

Submittals and Manuals

- 1 Submit with bid a list of 2 projects of equal scope and references.
- 2 Lead times on all equipment.

Requirements of this section are:

- 1 Within twenty (20) calendar days after the date of award of the Contract, the Contractor shall submit to the CNE AV team for review.
- 2 The submission shall consist of five major sections with each section separated with index tabs. Each page in the submission shall be numbered chronologically and shall be summarized in the index.
- 3 The first section shall be the "Index" which shall include the project title and address, name of the firm submitting the proposal.
- 4 The second section shall include a copy of the Installing Contractors valid Project Managers CTS-I Certification, a letter of the LED Manufacturer factory authorization & guaranteed service, and list of proposed instrumentation, if applicable, for testing to be used by the Contractor.
- 5 The third section shall contain an original factory data sheet for every piece of equipment in the specifications.
- 6 The fourth section shall contain a wiring designation schedule for each circuit leaving each piece of equipment and drawings showing system wiring plans.
- 7 The fifth section shall contain the complete listing of equipment being furnished, along with the value, so that those items can be identified as fixed assets by the Cherokee Nation.

Project Scope

This SOW covers the following components, activities, deliverables and assumptions. Included in this will be hardware procurement, labor to install new av equipment, all required cabling, labeling of all equipment installed, all programming and configuration required, and customer training on system operation.

Components:

1) Contractor Provided

Description	MFR	MFR P/N	QTY
Absenicon3.0 C138 Pixel Pitch 1.58	Absen	C138	4
Wall Mounting Bracket	Absen		4

2) CNE Provided

Description	MFR	MFR P/N	QTY
Cat6 Cable drops to each wall (contractor to provide qty needed)			
All electrical requirements (contractor to provide qty needed)			

3) **Miscellaneous** – Contractor will provide all miscellaneous components to complete the install except the specific items listed in “CNE Provided” section above. This includes, but not limited to, cables, connectors, j-hooks, brackets, custom panels, labels, hardware, tie wraps, etc.

4) **SOW** - This project is to replace the screens & projectors and install new LED video walls in the Salon Meeting rooms at The Hard Rock Hotel & Casino - Tulsa. The SOW includes removal of the existing projectors and projector hardware and install the new LED video walls. Currently there is an IP Video decoder at each projector. These will need to be relocated to the IDF closet and reinstalled. There are already long fiber HDMI cables ran to each projector location. These will need to be relocated to the LED video wall. There is also a cat6 cable currently ran to each projector. This cat6 cable will need to be relocated to the LED video wall. The install will include programming the QSYS control system to control the LED video walls and maintain all current functionality. There are also (4) TV's in the Salon's that will need to have an OFE decoder installed behind the TV and control and routing will also need to be programmed in the QSYS for this.

5) **Programming** – All QSYS programming must be done via LUA.

6) **Preferred Brands/Models:**

- a. Absen Absenicon C138 preferred
- b. Alternate brands to be considered would be PrimeView and MaxHub.

Tasks:

- 1) **Pre-Install** – Contractor will meet with CNE to develop a project timeline and a systematic install approach.
- 2) **Installation** – Contractor will install all necessary components to complete the project. This will include components provided by CNE.
 - Conditions
 - Due to 24/7 Casino operational hours, project work hours may be late night and/or overnight depending on guest impact of specific tasks. CNE will dictate as necessary.
 - Work schedule will be coordinated with CNE.
 - Contractor is responsible for keeping all work areas clean.
 - Cabling General - Contractor will install, terminate, and test all cabling needed to complete the project.
 - Equipment – Contractor is responsible for procuring and installing all components of the video upgrade needed to complete the project. Label all equipment with appropriate names and network information as applicable.
- 3) **Testing & Commissioning** –
 - Provide all instruments for testing and demonstrating in the presence of the owner. Check all circuits and wiring to verify they are free of shorts and grounds.
 - The owner reserves the right to make independent tests of all equipment furnished to determine whether the equipment complies with the requirements specified herein and to accept or reject any or all the equipment based on the results thereby obtained.
 - Check out and final connections to the system shall be made by a factory-trained technician in the employ of a manufacturer of the products installed. In addition, factory-trained technicians shall demonstrate operation of the complete system and each major component to the owner.
 - System field wiring diagrams shall be provided to the owner by the system manufacturer prior to completion of the installation.
 - Upon completion of the installation of the equipment, contractor shall provide to the owner a signed statement from the equipment manufacturer that the system had been tested and functions properly according to the specifications.
- 4) **Training** –
 - Contractor shall provide a minimum of 2 hours of on-site training to CNE ITAV team and Hard Rock banquets team on all system functions.

Deliverables:

(To be provided within 10 days of completion. 5% retainage will be withheld until all deliverables are met)

- 1) Provide a letter of completion with the contractor's workmanship warranty start and end dates.
- 2) Provide manufactures warranty information for each piece of equipment.
- 3) Provide all equipment manuals, any associated software, and any unused components to a CNE ITAV team member.
- 4) Provide all equipment serial numbers & MAC addresses.
- 5) Provide As Built documentation, to include but not limited to, device location information, touch panel instructional with screen shots, wiring diagrams, functional logic and or flow diagrams, rack elevation drawings as applicable, network interface information for each device, interconnecting network switch name(s), IP Address(s), port numbers, and VLAN(s).
- 6) All Source Code. Source code and any modules within shall not be password protected.
- 7) Test Reports.
- 8) Service Contract (if applicable)

Key Requirements

- Contractor must keep TERO up to date on weekly basis.
- Must follow Avixa standards.
- An End of Day Update, via email, must be submitted daily to the CNE AV Team.
- Contractor has all necessary software tools to accomplish tasks associated with the project.
- Contractor understands and agrees to late night and/or overnight working hours if needed.
- No substitutions allowed unless owner permission is provided in writing.
- Payment to contractor shall not be authorized until all deliverables are met.
- Bid must include these two items (these are standalone lines – do not add or subtract these amount to/from the bid tota:
 - a. TERO Fee – ½ of 1% of total project cost.
 - b. Non-native worker fee – \$25 per day, per non-native worker.