PROPOSAL

Council Chambers AV Upgrade

AZ State Contract No. ADSPO17-184596

Paradise Valley
6401 E. Lincoln Drive
Paradise Valley, AZ 85253

Revision: 3
Modified: 4/22/2022

Presented By:

E1 Audiovisual Technologies
Jared Bigelow, National Business Development Manager
14601 S. 50th Street, Suite 120
Phoenix, AZ 85044 USA
480.763.1002 x121
JBigelow@E1AVTech.com
www.E1AVTech.com

1.0 Project Summary

E1 Audiovisual Technologies ("E1") shall provide an audiovisual system upgrade for the Town of Paradise Valley located at 6401 E Lincoln Dr, Paradise Valley, AZ 85253.

Town Hall
Council Chambers

The audiovisual system shall allow for the council chambers to be used to conduct meetings, presentations, and audio/video conference calls. The existing video and control distribution system and a portion of the audio system shall be replaced. A video matrix system shall be provided with AV-over-IP endpoints that allows the user to send content from any source to any display.

The existing displays (2) shall be repurposed and included in the video matrix system. These displays shall have the ability to show the same content or each to show different content.

22-inch monitors shall be installed at the dais, one in front of each participant, on the existing monitor brackets. These monitors show the same content and can display any of the available sources. The video distribution equipment shall be mounted under the dais.

PTZ cameras shall be installed, one (1) on the back wall, one (1) each on the side walls flanking the dais and one (1) at the front on the room. These cameras shall be connected to a dedicated switcher and are available during video conference call (Zoom/Teams) and for general broadcasting to a streaming recording device. Additionally, access to the boardroom cameras (2) are available for larger meetings

A streaming recorder shall be installed in the equipment rack. This device is capable of recording to an SD card or internal hard drive while streaming simultaneously to network media platforms (YouTube or Facebook Live). An internet connection shall be required for this device.

A video collaboration device shall be mounted in the equipment rack. This device shall perform native Zoom and/or Teams calls and can be configured to use any web-based conferencing solution (Zoom Room or Office 365 account required and provided by the client). It can also fully integrate Office365 applications to display documents from network or USB drives. It shall provide wireless video connections for up to four (4) users simultaneously. If desired, the wireless connectivity can be managed by a mediator, who would need to grant permission to a user to connect to the system. This wireless connectivity is available for PC, IOS and Android users without the use of installed software or apps. An internet connection shall be required for this device.

The exisitng audio processors (DSP) shall be repurposed in the equipment rack. Inputs shall be all the dais microphones, the wireless microphones, and the video presentation source. Outputs shall be to the existing amplifiers and loudspeakers, the existing press plate, and the existing assistive listening wall plate.

Audio conference units with a built-in microphone, loudspeaker and interface shall be installed at

* Price Includes Accessories

the dais, one in front of each participant. Additionally, two (2) wireless handheld microphones and two (2) wireless lavalier microphones are included. The wireless receiver shall be mounted on the chambers truss. Microphone chargers shall be provided for each microphone at the credenza

The exisitng, portable Assistive Listening system shall be repurposed with an audio output to the exisitng wall plate.

The existing speaker arrays shall be repurposed with their associated amplifiers for audio distribution. The center array facing the dais may be repurposed and reinstalled to enhance the audience program audio. Audio testing shall be provided prior to final move.

A single control processor shall be installed and programmed to control all the equipment in the room. Room combining (boardroom) shall automatically join or separate the audio and video signals for the two rooms. A 10-inch touch panel shall be provided at the clerk location to control the system. System presets and one touch controls shall be provided.

The exisitng lectern shall be repurposed and a 22-inch touch panel with annotation capillaries shall be installed on the exisitng monitor mount. The monitor can display any of the available sources. The video distribution equipment shall be mounted inside the lectern.
A video input (HDMI) shall be located at the lectern for a laptop or other portable device to connect to the system. A single audio conference units with a built-in microphone, loudspeaker and interface shall be located on the lectern top for public participants.

The existing equipment rack shall be stripped of all equipment except the amplifier, audio recorder and power distribution. A rack mounted power conditioner is provided to protect the equipment from electric surges or spikes. Additional blank covers, rack screws, lacing bars, velcro and fasteners are provided to securely mount all AV equipment. All the existing unused equipment shall be returned to the owner for proper disposal.

Boardroom
The audiovisual system shall allow for the boardroom to be used to conduct meetings, presentations, and audio/video conference calls. The existing video and control distribution system and a portion of the audio system shall be replaced. A video matrix system shall be provided with AV-over-IP endpoints that allows the user to send content from any source to any display.

The existing displays (2) shall be repurposed and included in the video matrix system. A 98” HD display shall be provided and installed to replace the existing projector and projection screen. These displays shall have the ability to show the same content or each to show different content.

PTZ cameras shall be installed, one (1) under the displays at the front of the room and (1) on the side wall facing the front of the room. These cameras shall be connected to a dedicated switcher and are available during video conference call (Zoom/Teams) and for general broadcasting to a streaming recording device. Additionally, access to the council chambers cameras (4) are available for larger meetings

Meeting can be recorded and/or streamed via the same device utilized by the council chambers. This device is capable of recording to an SD card or internal hard drive while streaming simultaneously to network media platforms (YouTube or Facebook Live).

A video collaboration device shall be mounted in the equipment rack. This device shall perform native Zoom and/or Teams calls and can be configured to use any web-based conferencing solution (Zoom Room or Office 365 account required and provided by the client). It can also fully integrate Office365 applications to display documents from network or USB drives.

* Price Includes Accessories

It shall provide wireless video connections for up to four (4) users simultaneously. If desired, the wireless connectivity can be managed by a mediator, who would need to grant permission to a user to connect to the system. This wireless connectivity is available for PC, IOS and Android users without the use of installed software or apps. An internet connection shall be required for this device.

Wireless microphones shall be installed at the conference table for video conferencing and voice lift. The exisitng ceiling microphone arrays shall be repurposed for additional audio reinforcement.

The exisitng, portable Assistive Listening system shall be repurposed with an audio output to the exisitng wall plate.

Ceiling speakers shall be provided for even coverage within the room for reproducing far-end audio during a call and for content/program audio.

A 10-inch touch panel shall be provided at the clerk location to control the system. System presets and one touch controls shall be provided.
Additional equipment shall be installed in the equipment rack located next to the council chambers.

Police Station
Meeting Room
The audiovisual system shall allow for the police meeting room to be used to conduct meetings, presentations, and audio/video conference calls.
A single ceiling mounted laser projector shall be provided and installed. The existing projection screen shall be repurposed. Users shall have access to the system from an HDMI input wall plate.
A single owner furnished small form factor PC shall be installed in the room rack for presentations and video conferencing via an owner provided software based VTC system (Teams, Zoom).
In-ceiling loudspeakers, ceiling mounted microphones and owner furnished, wall mounted PTZ camera shall be installed for access from the in-room PC for video conferencing.
Control of the system shall be from a wall mounted button controller to turn on/off the projector, raise/lower volume, and source selection.
E1 shall remove the ceiling mounted projector, projector bracket and controller and store in a secure location provided by the client.

All electrical outlets are assumed to be currently installed and E1 will not be responsible for any electrical outlet placement issues.

If you come across an unfamiliar AV term in this document, please refer to E1's online glossary. https://www.e1avtech.com/av-terminology

2.0 Site Access Requirements
E1 shall require access to the proposed job site for the period of twenty (20) days. Access shall be on a continuous basis of 8 AM-5 PM Monday through Friday unless otherwise negotiated in writing.

3.0 Acceptance, Training & Documentation
At the completion of installation, a walkthrough shall be performed between E1 and the client. Any outstanding issues shall be identified and documented at that time. Upon completion of outstanding items, system sign-off by the client contact shall occur.

* Price Includes Accessories

E1 shall provide up to a total of eight (8) hours of training during the span of one visit to job site for the proposed system. The E1 project manager shall coordinate with client to set the date and time of training. All required personnel shall be made available for system training.

4.0 Infrastructure to be provided by E1:

The following items represent infrastructure that shall be provided by E1:

- E1 shall provide the necessary hardware to mount and install all permanently mounted equipment proposed in this system
- Cable management shall be maintained to protect cabling from electrical interference and other destructive sources.

5.0 Customer Provided Equipment

Owner-Furnished Equipment (OFE) provided by the customer consists of:

- Small Form Factor PC (1)

6.0 Inclusions, Exclusions & Assumptions

E1 assumes clear pathways through conduit, walls, and ceilings for cabling, and that all existing equipment is functioning properly.

E1 assumes that the client's network is fully functional on commencement of the audiovisual installation if needed per scope of work.

All electrical outlets are assumed to be currently installed and E1 will not be responsible for any electrical outlet placement issues.

All equipment removed from the existing system shall be returned to the client for proper disposal or reuse.

Pricing is valid for 30 days.

Included – if applicable

- low voltage AV cable
- control system programming
- AV system training
- eighteen-month warranty

Excluded – if applicable

- electrical conduit, junction boxes, and power receptacles
- structural in-wall blocking for displays
- site permits
- carpet modification, ceiling grid modification, millwork cut-outs

For clients executing their first project with E1 Audiovisual Technologies, a deposit equal to 50% of the proposed project total is required prior to start of work.

* Price Includes Accessories

PROJECT SUMMARY

Client: **Date**

Contractor: **E1 Audiovisual Technologies** **Date**

ACCEPTANCE

18-month equipment warranty per state contract: **Included**

3 Year E1 Care as described below: **$31,500.00**

E1Care - phone support and onsite service (normal wear and tear repair, replacement of non-consumables, and biannual maintenance checks)

E1Care provides unlimited phone support (M-F, 8-5 MST/PDT) for covered equipment and systems. Should an on-site technician be required to resolve the issue, the technician will be scheduled to arrive at the client location by the next business day (or later, should the client be unable to grant access that quickly). Biannual maintenance visits shall be assigned to complete preventative maintenance and ensure the well-being of the installed system. Any items that have failed due to normal usage shall be repaired or replaced at E1's discretion. Normal manufacturer lead times for repair or replacement shall apply. Please inquire about other Service Levels with your e1 representative.

Equipment:	$193,836.88
Labor:	$107,250.00
Sales Tax:	$16,719.97
Shipping:	$4,369.23
e1Care:	$31,500.00
Grand Total:	**$353,676.08**