



Agenda Report

Agenda of: February 25, 2025

Department: Administration

Subject: Discuss and take appropriate action to replace the city council audio and video equipment

Recommended Motion: I move to authorize staff to make the proposed changes to the city council audio and video equipment as discussed.

Background: Over the past year, the city has dealt with a number of issues related to the audio and video equipment in the city council chambers. During the past few months, staff began looking at other solutions including a review of the systems that the City of Hondo and Medina County use. A proposal was obtained from the County's provider – San Antonio Sound & Light (SASL) which was provided in the City Administrator's report in January of this year. Although the system is working at present, there continue to be audio issues from time to time. Staff recommends that the city council consider replacing the current system with the equipment and design recommended by SASL at a cost not to exceed \$35,000. If desired, staff can seek similar proposals from other vendors as well. The proposed scope of work is outlined below:

AUDIO

- Replace the existing gooseneck microphones with (9x) Shure gooseneck microphones with push-to-talk functionality.
- Replace the existing audio mixer with a Biamp TesiraFORTÉ VT DSP, connect all microphones and existing audio system.

VIDEO

- Install (1x) PTX Optics 1080p PTZ Camera on the center pole facing the dais.
- Install (1x) PTX Optics 1080p PTZ Camera on the shelf in front of the dais to face the podium, attorney desk, and the audience.
- Install (1x) HDMI over Cat5 extender at the podium location.
- The Blackmagic Design HyperDeck Studio HD Mini Recorder will record the sessions on an SD card.

The Blackmagic Design ATEM Mini Pro is a 4-input HDMI streaming switcher, and will connect the two PTZ cameras, the podium HDMI input, the moderator/dais HDMI input, and will connect to the network for streaming. The ATEM Mini Pro can also connect to a computer via USB for meetings over Zoom/Teams.

If more than one HDMI input at the dais is required, we can either add an additional switch for dais inputs or upgrade the switcher to the ATEM Mini Extreme which has 8x HDMI inputs.

The Blackmagic Design ATEM Streaming Bridge will be connected between the switcher and recorder and provide a local video feed to the existing in-room displays.

(1x) 4-Port USB Hub will be installed next to the master computer which will provide USB connectivity from the switcher and audio DSP.

CONTROL & INFRASTRUCTURE

- The Creston CP4N 4-Series™ Control System with isolated control subnet will control the AV system.
- A Crestron 10.1 in. Tabletop Touch Screen will provide a custom graphic user interface for user control of the audio system and PTZ cameras.
- A Netgear M4250 10-port managed AV network switch will connect system components to the AV network.

All rack-mountable equipment will be installed in a 12U rack credenza with power conditioning and cooling fans. Custom colors are available and are TBD by the client.

OTHER

- SASL will fully install & commission all aspects of the system and provide basic training to the end user(s) to ensure proper operation of the equipment.
- IT personnel may be required for some aspects of the network configuration.
- Quote includes all equipment, tech materials, logistics, installation, and programming.

Fiscal Impact: \$35,000

☐ **Budgeted** ☒ **Requires Budget Amendment**

Source of Funding: Account Code:52106-802

Attachments: None

Urgency (0-5 = Low Urgency to High Urgency): 2

Impact (0-5 = Low Impact to High Impact): 3

Submitted by: R. Scott Dixon