

## Marion Music, Inc.

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Subject: Systems upgrade (Sound, Video, HDMI conversion, ADA system) All prices are as individually optioned items.

### A) Sound System

Scope of work: Replace existing mixer with new digital matrix mixer. Installation of Allen & Heath digital matrix mixer with 24 channels. System would have main audio out sends for: main speakers, Internet feed, ADA hearing system, Council monitor speakers, Support speakers in Lobby upstairs, Support speakers lobby downstairs, Zoom. There will be a digital snake mounted at Council Dias for connections. Microphones will stay the same except for the addition of a wireless hand held microphone for presentations. We will supply an I-pad that will allow operator to control all microphones through an app from anywhere in the room. The mixer is also capable of automatic microphone mixing keeping levels within a set range. The system will not be locked down for you access of all functions. Connections for audio: 9 Council members, 6 City Staff members 1 Podium microphone, 1 Elmo presenter, 1 Hand Held wireless microphone. Amplifiers presently in use will remain in the system.

Equipment:

- 1 Allen and Heath matrix mixer
- 1 Allen and Heath digital snake (16 in, 8 out)
- 1 I-pad
- 1 Sennheiser Hand Held wireless microphone
- 1 Microphone mount at railing
- Installation and training
- All cables and jumpers

**Total: \$12,010.00 Installed**

Continued:

B) ADA Inductive loop hearing system

Scope of work: Install new hard of hearing system in room. The antenna system would be laid in under carpet and under side wall molding making an inductive loop for the reception through the T-coil made into each hearing aide. By switching to "T coil" on all hearing aids the system sends the signal to them. The system is heard within the loop around the seating area of the public. The system also includes an induction amplifier for transmission of audio in to the hearing aids. Carpet will be cut and repaired by John Penn carpet installers.

Equipment:

- 1 loop amplifiers
- 300 feet flat under carpet wire
- Instantiation and training
- All cables and jumpers

**Total: \$4,973.00 Installed**

C) Camera System

Scope of work: Install two high definition PTZ cameras. One front view of council and the second camera will view of the audience and podium. The cameras will be controlled through an I-pad provided by the mixer portion of this quote. A Black Magic ATEM switcher will be used for video switching and for the live stream. We will include a small monitor for preview of cameras and livestream. The zoom meetings will run in the background of staff PC allowing staff to switch on and off when needed.

Equipment:

- 2 PTZ Optics SDI cameras with 20X zoom
- 1 Blackmagic Designs video switcher with live stream capabilities
- 1 8 port POE ethernet switch
- 1 small monitor for preview monitoring
- Instantiation and training
- All cables and jumpers

**Total: \$11,450 Installed**

Continued:

D) HDMI upgrade

Scope of work: Replace video system with SDI matrix. This will allow staff to route council members video to other members if desired. We will add needed buttons at each station as needed. Install new Kramer 32x32 matrix switch for staff and council computers for distribution through system. The controls mounted on the Dias will switch to their council's computer from their desk top to staff's screen. We will install HDMI to SDI and SDI to HDMI converters where needed. All new HDMI cabling will be installed to each computer location.

Equipment:

- 1 Kramer 32x32 SDI matrix switch
- 15 Blackmagic SDI to HDMI converters
- 15 Blackmagic HDMI to SDI converters
- 15 Kramer 2x1 HDMI switches
- New control buttons as needed
- Instantiation and training
- All cables and jumpers

**Total: \$18,453.00 Installed**