



The Crow Wing County Sheriff's Office remodel of its 40-year-old law enforcement center included transforming the basement into a spacious and technologically advanced emergency dispatch center. The building was repurposed, transforming the old Crow Wing County Jail into the new office space. EPA Audio Visual, Inc. reconfigured and expanded the existing AV equipment and integrated it into the newly created space.

The building's steel and concrete construction proved challenging to the contractors handling the reconstruction. After grinding their way through the steel interior, they were able to re-frame the room, incorporating electrical and connectivity provisions for a 24' wide asymmetrical video wall.

Once the room was completed, EPA installation technicians installed the system with the ability to display 12 independent images on 12 separate displays. The LG 55" Class LED ultra-slim bezel monitors are configured in a two-high by six-wide layout. Each display receives a dedicated source with the ability to expand a single matrixed image over four adjacent monitors in a 2x2 pattern to maintain a 16:9 native aspect ratio. The system is sourced by two permanent rack mounted computers, four dedicated computer workstation input locations and two cable television feeds. The monitor wall displays traffic and security cameras and real-time mapping of deputy locations. The video system utilizes a Crestron DigitalMedia matrix switcher capable of distributing 32 inputs and endpoints.

Audio reinforcement is provided by JBL Control ceiling speakers, Lab Gruppen amplification and Biamp digital signal processing. Program audio from all sources is switched and distributed to the sound reinforcement system. An audio ducking feature was incorporated that mutes the program audio when a dispatch call is received. Each workstation and the main equipment rack is outfitted with a Crestron 10" media control panel with customized user interface.

The reconfiguration of the emergency dispatch center into its new space has enabled the sheriff's office to view, share and collaborate with other dispatch officers when an emergency is taking place.

PRODUCTS USED

- LG LED Wall Display with Ultra Slim Bezel
- Chief ConnexSys Video Wall Mounting System
- Crestron DigitalMedia™ Video Switching
- Crestron PRO3 3-series Control Processing
- Crestron TSW Touch Panels
- Biamp Nexia Conferencing System DSP
- Lab Gruppen E-series Digital Amplifier
- JBL Compact Ceiling Speakers
- Middle Atlantic Equipment Racking

TECHNOLOGIES DEPLOYED

- Video Wall w/Tile Matrixing
- Touch Screen Control
- Video Distribution over HDBaseT
- LED Video Monitors
- Program Audio Reinforcement