

STATEMENT OF WORK

United States District Courts
1701 W. Hwy. 83
McAllen, Texas 78501

1. Description

Design, provide, and install a complete working audio and video solution for the jury room located on the 10th floor at 1701 W. Hwy. 83 McAllen, Texas 78501.

1.1 Introduction

The United States District Court in McAllen, Texas is installing an audio/video system in the Jury Assembly Room on the 10th Floor of the Bentsen Tower. The overall system design will be coordinated by the court, which is defined in the scope paragraph below. The vendor will be responsible for all components, hardware, cables, terminations, connectors, and any other parts needed to make this a complete and functional system except for those items included in the court provided equipment section. The vendor will also be responsible for all automation programming to control the audio/video solution. Upon completion and acceptance of the system, the courts will become the owners of any and all software source codes, touch panel design software that is relevant to this installation. The vendor will provide copies of all software source code, as built drawings, serial numbers of all equipment installed and user manuals of all equipment installed. The vendor will also provide training to court staff upon completion and acceptance of the system.

1.2 Purpose

To obtain a qualified contractor to design, provide, and install an Audio/Video system for the jury room on the 10th floor of the United States Courthouse in McAllen, Texas. The contractor must have been in the A/V design/build business for at least 5 years and be familiar with all aspects of audio integration and calibration, video configuration, switching systems, IR emitter systems, annotation systems, and AMX automation programming.

1.3 Scope

The vendor will provide all relevant audio, video, annotation, and automation hardware for this design. The design should not include components that are proprietary to the vendor (invented or manufactured by the contractor). Contractor will provide as built drawings at the completion of the installation. The court shall provide electrical service, the contractor will utilize existing infrastructure (conduits to and from the electrical closet where the head end equipment rack will be located).

Video

The video system should provide functional switching between the following:

1. PC Input located at the Clerk's bench (both VGA with audio and HDMI connections)
2. Blu-Ray Player located in the equipment rack

A HD video projector will be installed on a court provided 1-1/2 inch threaded pole. The PC input source should be equipped with both VGA w/audio and HDMI connections. The switching system should provide for audio follow video at each source location. This audio will be incorporated into the jury room sound system. All signal switching devices should be capable of transmitting signals up to and including 1920 x 1200 resolutions, while still retaining the capacity to operate at the 1024 x 768 signal level.

Audio

The audio system will contain 4 (four) gooseneck microphones at the following locations:

- 1 clerks bench
- 1 ERO bench
- 1 Judge bench
- 1 lectern
- 8 Ceiling mount microphones will also be installed over the general seating area
- 1 Dual Handheld wireless microphones

8 Ceiling mount speakers to be installed in the same locations as the currently installed old speakers.

The center microphone at the judge's bench should also feed to the FTR recording only during bench conference but not to the room sound system with bench conference is selected on the AMX controls. The audio system shall be a zoned, mix-minus system, to provide the best possible sound pressure levels for intelligibility before feedback. Through the use of digital matrix routing, sub-mixers, combiners, and direct inputs, the audio signals should be available as an input to the court digital recording system (FTR Gold). Microphones will be grouped in a combined manner in order to deliver 4 channels of audio to an FTR court recording system and the

configuration should be approved by the court. The FTR recording system shall be independent of the general courtroom audio system. The audio system controls should be tied into the automation system allowing the control panel to mute any or all microphones, select a bench conference preset, and to raise or lower the volume to make adjustments to the playback levels of the laptops, PCs, and the Blu-ray/DVD player. Except when audio is muted, audio should be routed at all times to the court reporter location including during bench conference.

The IR assisted listening system will be configured to allow for Channel 1 to be accessible for courtroom translation purposes and Channel 2 to be used for general courtroom assisted listening for those with hearing impairments.

(Note: Conduits for the ceiling speakers, ceiling microphones and IR emitters with stub out into the courtroom but will require plenum rated wire to be pulled in the ceiling space above the courtroom.)

AMX Control

The AMX automation system will consist of one AMX NX-2200 central. There will be 1 (one) AMX MST 1001 touch panel at the judge’s bench. The vendor is responsible for all necessary POE devices, interface cabling, and work switches to complete the automation system. The AMX control panel should allow for muting/unmuting of the microphones, muting/unmuting Blu-ray/DVD and PC audio, switching of audio and video sources, and projector controls and lower and raise the projection screen.

Court Provided Components

Projection Screen Da-Lite SKU: 88147 with low voltage controls
 Complete FTR recording setup including PC and Antex USB mixer.
 1.5 inch threaded pole for ceiling mounted projector.

Vendor Provided Components

Note: Vendor is responsible for all components relevant to this scope that are not listed as court provided. The court has only specified the equipment that would prefer in this design, not necessarily all components needed to complete the requirements in the scope are listed.

CLIN #	Manufacture	Model	Quantity	Description
1001 (Audio)	Biamp Tesira	Forte-T1	1	TesiraForte AVB
	Biamp Tesira	Forte-CI	1	TesiraForte AVB
	Shure	MX412D/N	4	12" Gooseneck Microphone Judge, 2 clerks, lectern (or equal)
	Shure	R183B	4	Omni Cartridge for MX series Microphones tables (or equal)
	Shure	MX202BP/N	8	Ceiling Microphones (or equal)
	Shure	R185B	8	Cardioid Cartridge for MX Series (or equal)
	Shure	QLXD24/B87A	2	Digital Wireless Receiver/ Handheld Microphone (or equal)
	Shure	SBC200	1	Charging Base (or equal)
	Shure	SB900	2	Wireless Mic Batteries (or equal)
	QSC	CX-108V	1	8-Channel 70V Power Amp (or equal)
	Electrovoice	(EV) C8.2LP	8	70V Ceiling Low Profile Speakers (Courtroom & Chambers) or Equal
	Listen Technologies	LR-100	1	72/216 MHz Stationary RF Receiver (or equal)
	Listen Technologies	LT-700	1	Portable Display RF Transmitter (or equal)
	Listen Technologies	LA-122	1	Universal Antenna kit 72/216 MHz
	Listen Technologies	LA-278	2	Behind the Ear Microphone (or equal)
	Williams Sound	WIRRX182	20	Infrared Headset (or equal)
	Williams Sound	CHG 518	4	Battery Charger (or equal)
Sennheiser	SZI1015	4	Emitter Panel (or equal)	

Sennheiser	SI-1015/NT	1	Modulator (or equal)
Sennheiser	N/A	2	Modulator Power Supply (or equal)
Sennheiser	GA1031-CC	1	Rack Mount Kit (or equal)
Sennheiser	SZA 1060	4	Emitter Panel Terminator (or equal)
AMX	NX-2200	1	Integrated Controller or Equal
AMX	MST-1001	1	10" Touch Panel (Judge Bench) or Equal
AMX	PS-POE-AT-TC	2	Injector for Touch Panel
CISCO	SF200-24P	1	24-Port Managed Ethernet Switch with POE or Equal
Christie	DWU55-GS	1	Laser Phosphor Projector
Kramer	VP-728	1	Video Switcher (or equal)
Kramer	PT-572+	2	Digikat Video Receiver
Kramer	TP-571	2	Digikat transmitters
Kramer	FC-46xl	1	Audio De-embedder
Middle Atlantic	5-43	1	20-inch deep Equipment Rack no sides (or equal)
Middle Atlantic	PB-5A POWER STRIP	2	Vertical Power Strip (or equal)
Middle Atlantic	CBS-5	1	Caster Base (or equal)
Middle Atlantic	MW-4QFT-FC FAN KIT	1	Fan Top (or equal)
AMX	PC1	2	Power Relay (or equal)
Juice Goose	JG8.0	2	Power Distro (or equal)
Middle Atlantic	UPS 2200R	1	UPS (or equal)
Kramer	BC-DGKat-623	4	CAT6 Shielded Cable (1000' per roll) (or equal)
Kramer	CCR-RJ45-TP6	100	Shielded RJ45 Plug (or equal)
N/A	N/A	1	Misc Cables and Connectors (or equal)

Note: Additional equipment may be added to complete vendor design where necessary.

1.4 Contractor Requirements

The contractor must have installed a complete Audio/Video/Automation solution into a US District Courtroom or an equivalent installation previously. The vendor should have direct dealer status with all of the specified hardware components and be certified on Polycam, AMX, and Extron professional products.

2. Description of Deliverables

Demonstrate a working audio/video solution approved by the Court, complete with FTR Recording, AMX control, Teleconferencing and IR emitters for interpretation and hearing impaired according to requirements by the Court.

Upon completion and acceptance of the system, the courts will become the owners of any and all software source codes, touch panel design software that is relevant to this installation. The vendor will provide copies of all software source code, as built drawings, serial numbers of all equipment installed and user manuals of all equipment installed. The vendor will also provide training to court staff upon completion and acceptance of the system. One week maximum installation required.

SPECIAL CONTRACT REQUIREMENTS

While it serves the Federal Government as a U.S. District Courthouse in all its usual capacities, it is important to note that the Bentsen Tower Building is not a government owned facility. It is a privately owned facility with its own independent building management company and separate security requirements. The General Services Administration (GSA) acts as the leasing liaison and building management representative for the U.S. Courts through the owner's own building management company. Therefore, requirements related to parties independent of this contract are: 1.) Security and building access, and 2.) Contractor's Insurance.

Security and Building Access

At all times throughout the on-site installation process, at least one member of the contractor's team must be in possession of a full and active NACI background check for required building security clearances and act as an "escort" for all others not in possession of a full clearance. Those individuals lacking NACI certification must be cleared via background check by the local U.S. Marshal Service prior to installation start-up and building entry. Note: Upon contract award and issue of purchase order, it is critical that the selected contractor identify all members of their installation team and provide the court, GSA, and building management with information required by local U.S. Marshal Service personnel for timely completion of the security clearance process.

Contractor Insurance

Each building contractor shall maintain Contractor General Liability (CGL) policies which meet or exceed the following terms, conditions, requirements and coverages in an amount of not less than \$1,000,000 combined single limit for accidents or occurrences which cause bodily injury, death or property damage to any member of the public caused by, or related to the construction, installation, operation, maintenance replacement, removal or other activity related to the property.

Additional Insured

The following parties and their assigns must be named as "Additional Insured" on Contractor's "Certificate of Liability Insurance" and by endorsement, if required by the contractor's insurance underwriter.

The United States District Court ("USDC")
S.P. Plaza, L.C. ("Building Owner")
Vizta Property Management Company (Building Management")

Clauses/Provisions incorporated by reference:

Clause 1-1, Employment by the Government (JAN 2003)

Location

United States District Courts
1701 W. Hwy. 83
McAllen, Texas 78501

Schedule Dates

To Be Determined.

Review and Acceptance

Acceptance based on final walk through and testing upon job completion with USDC COR, Saul Rios. Contractor will have five (5) business days to correct any deficiencies.