

The U.S. District Court for the Northern District of Texas is requesting quotations upgrade the AV components in the Magistrate Courtroom located at the George H. Mahon Federal Building and U.S. Courthouse, 1205 Texas Avenue, Lubbock, Texas 79401-4037. Full project details are outlined in the attached Statement of Work (SOW).

Important Dates:

- **Quotes Due:** No later than **15:00 on Friday, May 30, 2025.**
- **Submit Quotes To:** Tim Christnagel at **tim_christnagel@txnd.uscourts.gov.**

Site Visit:

A site visit will be held at **13:00 on Tuesday, May 13, 2025**, to give all prospective bidders the opportunity to assess the job site. If you wish to attend, please RSVP by sending an email to **clint_hester@txnd.uscourts.gov** no later than **15:00 on Friday, May 9, 2025**. While attending the site visit is not mandatory, contractors who do not attend will be responsible for addressing any unforeseen site conditions at no additional cost to the Court.

Requests for Information (RFI):

Please submit any RFIs to **clint_hester@txnd.uscourts.gov** no later than **15:00 on Friday, May 16, 2025**. Responses to all RFIs will be distributed to all prospective bidders by **15:00 on Tuesday, May 20, 2025**.

Submission of Quotes:

Using the provided quote sheet, please submit your bid via email no later than the specified deadline. Late submissions will not be considered unless the judiciary, at its sole discretion, determines that accepting a late quote is in its best interest and will not unduly delay the procurement process.

Award Criteria:

The District Court intends to make an award based on the lowest-priced, technically acceptable quote. All quotes should be submitted as fixed-price bids. Submitted pricing must remain **unchanged for 45 days**. Payment terms will be considered **Net 30** unless more favorable terms are offered.

Place of Performance:

- George H. Mahon Federal Building and U.S. Courthouse
1205 Texas Avenue, Room 209
Lubbock, TX 79401-4091

Thank you for your interest attention to this solicitation. We look forward to receiving your quote.

Sincerely,
Tim Christnagel
Contracting Officer
U.S. District Court, Northern District of Texas



Lubbock Magistrate Courtroom AV Upgrade

Scope of Work

Project Summary

The scope of this project is to upgrade the AV components in the Magistrate Courtroom at the U.S. District Court for the Northern District of Texas, Lubbock Division.

Project Details

The project includes removing all outdated AV equipment and cabling, and properly disposing of the cabling and returning the hardware to the Court. It also involves installing new audio/video cables (CAT6, 22 gauge shielded, and 18 gauge speaker), and all equipment listed below. Programming and testing of the equipment are required. Existing floor boxes will be utilized, and cable paths from the bench, Courtroom Deputy, Court Reporter, witness box, and two front tables will route via J-Hooks back to the AV rack located to the left of the bench.

The name-brand devices listed below are preferred; however, we are open to considering alternative devices available on the market that offer equivalent performance. For any proposed alternatives, please provide the performance specifications and demonstrate how they meet or exceed the capabilities of the court's preferred name-brand selection.

Audio System

- Integrate existing and owner furnished equipment ((6)Shure microphone bases, (2) Video Conferencing and (1) For The Record Recording PCs, (1) Wall-mount swing-out rack, (1) rackmount Furman power conditioner, (1) Barix Streaming Device (Instreamer-Ice), and (1) Williams Sound: (EAR022 CHG 3512 FM 558-24 PRO D FM T55CD-00 PPA R38N HED 027 assisted listening) with new equipment.
- Provide, install, and configure the following equipment or equivalent devices that meet the same specifications and performance standards.
 - (1) Biamp TesiraForte AVB VT Audio Digital Signal Processor
 - (1) Biamp EX-MOD with (4) AEC inputs and (2) analog outputs
 - (1) Biamp XEL1200.1 4 Channel AVB Power Amplifier
 - (3) Biamp EX-UBT USB extender
 - (2) Biamp TC-5D AVB 5 port switch

- (1) Shure ULXD4D G50 Dual Channel Receiver
- (2) Shure ULXD2/SM58 G50 handheld transmitters
- (2) Shure UA874US ceiling-mounted antennas
- (2) Shure UA850 cables
- (1) Shure MX400SMP Surface mount preamp at podium
- (6) OFCI Shure MX400 table top bases (Judge, Witness, Prosecution 1, Prosecution 2, Defense 1, and Defense 2)
- (7) 15" Shure mx 415 lpdf/c Microphone goosenecks
- (1) Shure MX 392/o boundary sidebar microphone
- (29) Biamp Desono CM60DTD White ceiling speakers replacing same number of existing speakers. Provide and install trim rings to accommodate existing holes.
- Materials and labor to install a mono, unbalanced output to existing Barix streaming device in rack.
- Materials and labor to install a mono, balanced output to the Williams Sound assisted listening system at Courtroom Deputy location.
- Materials and labor to install a mono, balanced output to the Court Reporter USB audio interface.

Video System

- Install (5) Visionary DuetE-5 encoders or equivalent to at Prosecution, Defense, Podium, Podium OFCI PC, and Judge Bench OFCI PC for audio/video input connectivity.
- Install (8) Visionary D5200 decoders or equivalent for displays at Judge, Courtroom Deputy, Court Reporter, Prosecution, Defense, Witness, Podium, and Jury Box display cart.
- Display control will be managed through the Extron control processor and touch panel.
- Install a CAT6 wall plate below the Prosecution desk for D5200 decoder connection, and a wheeled OFE display cart for connection (the Court must approve the proposed location before the installation).
- Provide and install (7) 24" ViewSonic VX2476-smhd 1080P LCD Displays or equivalent displays on low stands.
- System integration with Cisco network switch, coordinating subnet, VLAN, and other switch settings with TXND IT staff.

Control System

- Install (1) Extron TLP Pro 1025T touch panel or equivalent to for room control from the deputy's desk.
- Install (1) Extron IPCP Pro 350 xi control processor or equivalent in rack.
- Provide for Court approval full-color screen-shots of proposed layouts for the following touch panel control pages.
- Control system shall have tabs for Audio Control, Evidence Sources, Phone Conference, and Video Conference. All tabs shall have audio controls on left side of page including room volume level bar with up, down, and mute buttons, evidence volume level bar with up, down, and mute buttons, and bench conference preset recall.

- Bench conference preset shall turn on white noise and include volume bar, up, down, and mute buttons for white noise and volume bar, up, down, and mute buttons for sidebar microphone.
- Audio Control tab shall have volume up, down, and mute for all input and output channels. Inputs and outputs shall be separated onto subpages.
- Evidence Sources tab shall show a graphical layout of room with selectable sources clearly shown. Witness monitor, jury monitor and all video mutes shall be on right side of screen.
- Phone conference tab shall have dialer control for VoIP phone system including line selection for two lines, number pad with read out, backspace, clear, pause, redial, dial and end call.
- Video conference tab shall have selection for Judge, Podium, and both. Selection shall route OFCI computer video to respective monitor. Judge and Podium selection shall route respective audio outputs to room speaker outputs. Both selection shall route judge audio output to room speaker output and mute podium audio input. Camera buttons shall go to subpages to control pan, tilt, and zoom, of Judge and Podium cameras.
- Top left button of all pages shall mute all audio and video.
- All pages shall have date in top left corner, time in top right corner, and connection confirmation light indicators for Extron processor and Biamp DSP in left and right center locations, respectively. Lights shall show green for connected and red for disconnected.
- Top right button of main page shall be Shut Down and prompt confirmation shut down page. Shut down sequence shall mute all audio and video inputs and outputs. Touch panel shall then return to court seal with Touch Screen to Begin prompt at bottom. Touching screen shall prompt a confirmation page and upon confirmation shall open page with all tabs at top, room and evidence volume controls with bench conference button on left, and court seal centered in remaining space.

Video Conferencing

- (2) OFCI Computer at Judge's bench and podium.
- (2) Vaddio RoboSHOT 12E USB HD PTZ Camera. One on existing mount pointed at Judge and one mounted on wall behind Judge pointed at podium and attorney tables.
- (2) Vaddio USB 3 Extenders
- (2) Biamp EX-UBT for stereo audio input and output to OFCI computers.

General Project Notes

- Install all electronic systems equipment in accordance with the manufacturer's written instructions, applicable seismic codes, and widely accepted industry practices. Ensure all equipment weight is properly supported by the building structure.
- Provide manufacturer-recommended power supplies, transformers, and PoE injectors for all specified equipment.
- Provide all required cables and connectors to complete manufacturer-recommended terminations, ensuring a fully functional system as specified. Use connectors that support the full bandwidth capacity of the specified cables.

- Provide patch cables to fully connect all portable equipment with the specified connection panels, system interfaces, and miscellaneous equipment. Label all patch cables to clearly identify their specific use.
- Ensure signal levels throughout the entire system meet manufacturer recommendations and industry standards. Provide all necessary distribution and processing equipment, including but not limited to signal distribution amplifiers.
- Provide rack mount kits for all rack-mounted equipment. If manufacturer-provided rack mount kits are unavailable, supply custom rack mount kits as needed.
- Install blank or vent panels to fill all unused rack spaces.
- Ensure unswitched power is supplied to the control system's central processor and all network switches.
- Install RF antennas outside the equipment rack, selecting the final location based on system performance and on-site conditions. Position antennas in compliance with the manufacturer's instructions to ensure interference-free and dropout-free operation, achieving optimal performance. Coordinate the final antenna location with the government prior to installation.
- Install monitors on low-profile desk stands as specified in the installation details. Retain the stock bases and provide them to the court upon completion.
- Carefully support the weight of all HDMI cables connected to rack-mounted equipment using LockIT cable lacing brackets and rack-mounted lacing bars. Professionally dress, lace, and apply strain relief to cables, ensuring no weight from individual HDMI cables is transferred to their connectors.
- Remove all obsolete AV cables, equipment, and connection panels. Relocate obsolete AV equipment to a court-designated room within the courthouse. Properly dispose of all obsolete AV cables in compliance with legal requirements. Cover any empty junction boxes previously used for AV connection panels with high-impact nylon blank cover plates, with the court selecting the cover plate color.
- Program all new AV devices with unique, non-factory default passwords. Provide the court with a spreadsheet listing all programmed passwords. Collaborate with the court's IT staff to configure the specified network switch with appropriate security hardening measures.
- In addition to the computer-generated, self-laminating labels according to TIA-606 standards, provide a secondary, non-technical label on all cables inside the equipment rack. For example: 'Judge Desk Mic,' 'Judge Lav Mic,' etc.
- Install all patch cords and connecting cables exposed to view within nylon loom expandable sleeving. This includes, but is not limited to, patch cords and connecting cables located between connection panels and devices such as microphones, monitors, desk speakers, touch panels, and similar equipment.

Add Cable types for speakers and Mics

Testing and Documentation

- Perform Category 6 testing on all installed cables, including Line Map, Resistance, NEXT, ELFEXT, Attenuation, Length, and Delay Skew, using a Fluke VERSIV cable analyzer.
- Provide a hard copy of the test results upon project completion.
- Submit an installation report that includes all cable test reports.

Additional Information

PROVISIONS & CLAUSES

Clause	Title	Date
1-5	Conflict of Interest	AUG 2004
1-10	Gratuities or Gifts	JAN 2010
1-15	Disclosure of Contractor Information to the Public	AUG 2004
2-5A	Inspection of Products	APR 2013
2-5B	Inspection of Services	APR 2013
2-10	Responsibility for Products	JAN 2010
2-25A	Delivery Terms and Contractor's Responsibilities	JAN 2003
2-45	Packaging and Marking	AUG 2004
2-60	Stop-Work Order	JAN 2010
2-95	Material Requirements	JAN 2003
2-100	Brand Name or Equal	APR 2013
3-25	Protecting the Judiciary's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment	MAR 2019
3-35	Covenant Against Contingent Fees	JAN 2003
3-40	Restrictions on Subcontractor Sales to the Government	JUN 2014
3-45	Anti-Kickback Procedures	JUN 2012
3-50	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JUN 2012
3-55	Price or Fee Adjustment for Illegal or Improper Activity	JUN 2012
3-70	Determination of Responsibility	JAN 2003
3-85	Explanation to Prospective Offerors	AUG 2004
3-95	Preparation of Offers	APR 2013
3-100	Instructions to Offerors	APR 2013
3-105	Audit and Records	APR 2011
3-120	Order of Precedence	JAN 2003
3-205	Protest after Award	JAN 2003
3-210	Protests	JUN 2014
7-185	Changes	APR 2013
7-200	Judiciary Delay of Work	JAN 2003
7-210	Payment for Emergency Closures	APR 2013

PROVISIONS & CLAUSES

7-215	Notification of Ownership Changes	JAN 2003
7-220	Termination for Convenience of the Judiciary (Fixed-Price)	JAN 2003
7-230	Termination for Default (Fixed-Price - Products and Services)	JAN 2003
7-235	Disputes	JAN 2003

B-1 Solicitation Provisions Incorporated by Reference SEP 2010

Solicitation Provisions Incorporated by Reference (SEP 2010)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the contracting officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this address: <http://www.uscourts.gov/procurement.aspx>.

(end)

B-5 Clauses Incorporated by Reference SEP 2010

Clauses Incorporated by Reference (SEP 2010)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the contracting officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.uscourts.gov/procurement.aspx>.

(end)

3-5 Taxpayer Identification and Other Offeror Information APR 2011

Taxpayer Identification and Other Offeror Information (APR 2011)

(a) Definitions.

"Taxpayer Identification (TIN)," as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a social security number or an employer identification number.

(b) All offerors shall submit the information required in paragraphs (d) and (e) of this provision to comply with debt collection requirements of [31 U.S.C. §§ 7701\(c\)](#) and [3325\(d\)](#), reporting requirements of [26 U.S.C. §§ 6041, 6041A](#), and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

PROVISIONS & CLAUSES

(c) The TIN may be used by the government to collect and report on any delinquent amounts arising out of the offeror's relationship with the government ([31 U.S.C. § 7701\(c\)\(3\)](#)). If the resulting contract is subject to payment recording requirements, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN): _____

☐ TIN has been applied for.

☐ TIN is not required, because:

☐ Offeror is a nonresident alien, foreign corporation or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the federal government.

(e) Type of Organization:

☐ sole proprietorship;

☐ partnership;

☐ corporate entity (not tax-exempt);

☐ corporate entity (tax-exempt);

☐ government entity (federal, state or local);

☐ foreign government;

☐ international organization per [26 CFR 1.6049-4](#);

☐ other

(f) Contractor representations.

The offeror represents as part of its offer that it is [___], is not [___] 51% owned and the management and daily operations are controlled by one or more members of the selected socio-economic group(s) below:

☐ Women Owned Business

☐ Minority Owned Business (if selected then one sub-type is required)

☐ Black American Owned

☐ Hispanic American Owned

☐ Native American Owned (American Indians, Eskimos, Aleuts, or Native Hawaiians)

☐ Asian-Pacific American Owned (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru)

☐ Subcontinent Asian (Asian-Indian) American Owned (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal)

☐ Individual/concern, other than one of the preceding.

(end)

PROVISIONS & CLAUSES

Certification Regarding Debarment, Suspension, Proposed Debarment, and Other Responsibility Matters (MAR 2019)

(a)(1) The offeror certifies, to the best of its knowledge and belief, that:

(i) the offeror and/or any of its principals:

(A) are ___ are not ___ presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any federal agency;

(B) have ___ have not ___, within the three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) contract or subcontract; violation of federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, violating federal criminal tax laws, or receiving stolen property;

(C) are ___ are not ___ presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision;

(D) have ___, have not ___, within a three-year period preceding this offer, been notified of any delinquent federal taxes in an amount that exceeds \$3,500 for which the liability remains unsatisfied.

(1)- Federal taxes are considered delinquent if both of the following criteria apply:

(i) The tax liability is finally determined. The liability is finally determined if it has been assessed. A liability is not finally determined if there is a pending administrative or judicial challenge. In the case of a judicial challenge to the liability, the liability is not finally determined until all judicial appeal rights have been exhausted.

(ii) The taxpayer is delinquent in making payment. A taxpayer is delinquent if the taxpayer has failed to pay the tax liability when full payment was due and required. A taxpayer is not delinquent in cases where enforced collection action is precluded.

(2)-Examples.

(i) The taxpayer has received a statutory notice of deficiency, under I.R.C. § 6212, which entitles the taxpayer to seek Tax Court review of a proposed tax deficiency. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek Tax Court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(ii) The IRS has filed a notice of federal tax lien with respect to an assessed tax liability, and the taxpayer has been issued a notice under I.R.C. § 6320 entitling the taxpayer to request a hearing with the IRS Office of Appeals contesting the lien filing, and to further appeal to the Tax Court if the IRS determines to sustain the lien filing. In the course of the hearing, the taxpayer is entitled to contest the underlying tax liability because the taxpayer has had no prior opportunity to contest the liability. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek Tax

Court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(iii) The taxpayer has entered into an installment agreement pursuant to I.R.C. § 6159. The taxpayer is making timely payments and is in full compliance with the agreement terms. The taxpayer is not delinquent because the taxpayer is not currently required to make full payment.

(iv) The taxpayer has filed for bankruptcy protection. The taxpayer is not delinquent because enforced collection action is stayed under [11 U.S.C. § 362](#) (the Bankruptcy Code).

(ii) The offeror ___ has ___ has not, within a three-year period preceding this offer, had one or more contracts terminated for default by any federal agency.

(2) "Principal," for the purposes of this certification, means an officer; director; owner; partner or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division, or business segment, and similar positions).

This certification concerns a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under [18 U.S.C. § 1001](#).

(b) The offeror shall provide immediate written notice to the contracting officer if, at any time prior to contract award, the offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the offeror's responsibility. Failure of the offeror to furnish a certification or provide such additional information as requested by the contracting officer may render the offeror nonresponsible.

(d) Nothing contained in the foregoing will be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the offeror knowingly rendered an erroneous certification, in addition to other remedies available to the judiciary, the contracting officer may terminate the contract resulting from this solicitation for default.

(end)

3-30

Certificate of Independent Price Determination

JAN 2003

Certificate of Independent Price Determination (JAN 2003)

(a) The offeror certifies that:

(1)the prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement, with any other offeror or with any competitor relating to:

(A) those prices;

(B) the intention to submit an offer; or

(C) the methods or factors used to calculate the prices offered.

PROVISIONS & CLAUSES

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or contract award unless otherwise required by law; and

(3) no attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory –

(1) is the person in the offeror's organization responsible for determining the prices in this offer, and that the signatory has not participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this provision; or

(2) (i) has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this provision _____ (*insert full name of person(s) in the offeror's organization responsible for determining the prices in this offer, and the title of his or her position in the offeror's organization*);

(ii) as an authorized agent, does certify that the principals named in subdivision (b)(2)(i) of this provision; have not participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this provision; and

(iii) as an agent, has not personally participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies paragraph (a)(2) of this provision, the offeror shall furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

(end)

3-130

Authorized Negotiators

JAN 2003

Authorized Negotiators (JAN 2003)

The offeror represents that the following persons are authorized to negotiate on its behalf with the judiciary in connection with this solicitation (*offeror lists names, titles, and telephone numbers of the authorized negotiators*).

Name: _____

Titles: _____

Telephone: _____

Fax: _____

E-mail: _____

(end)

4-1

Type of Contract

JAN 2003

Type of Contract (JAN 2003)

The judiciary plans to award a _____ (*Contracting officer inserts specific type of contract*) type of contract under this solicitation, and all offers shall be submitted on this basis.

Alternate offers based on other contract types will not be considered.

(end)

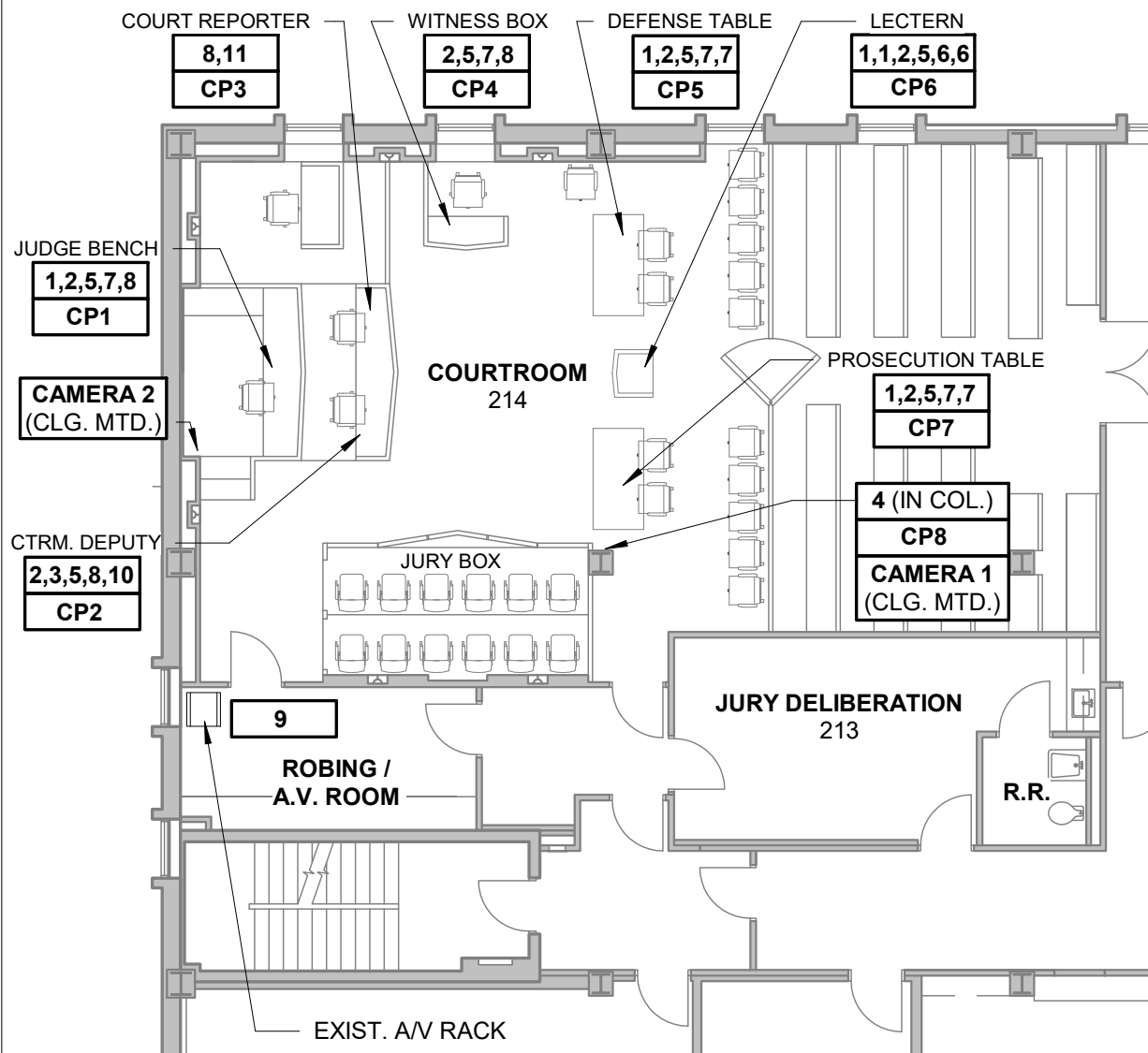
U.S. DISTRICT COURTHOUSE - LUBBOCK, TEXAS					
AUDIO AND VIDEO SYSTEMS FINAL DESIGN					
SCHEDULE B SUMMARY					
TASK ORDER NUMBER:					
Bidder:					
Date:					
Item	Courtroom Name	Room #	Bid Title	Bid ID	Bid Amount
1	Magistrate Courtroom		Audio\Video and Control System	Base Bid	
GRAND TOTAL					

SCHEDULE B, LUBBOCK, TEXAS - MAGISTRATE COURTROOM - AUDIO/CONTROL SYSTEM - NOVEMBER 25, 2024

Do not consider the items listed below as a complete "bill of materials." This list highlights significant components used in the design of the electronic systems. For items that represent part of an assembly, provide the entire assembly unless otherwise specified. Include all necessary miscellaneous hardware, memory, interfaces, transformers, power supplies, distribution equipment, connectors, termination equipment, fasteners, rack mount kits, supports, or any other equipment required to ensure the complete installation of fully functional electronic systems, even if not explicitly listed. Compare equipment model numbers with their descriptions and performance specifications. Notify the government promptly of any discrepancies. If model numbers and descriptions/specifications do not match, the descriptions and specifications will take precedence. "Total miscellaneous" includes all other materials not explicitly listed but necessary for delivering a complete and operational system as specified in the accompanying Statement of Work. "Total labor" encompasses all labor costs associated with this project, including but not limited to: Warranties, Contracted Site Visits, Balancing and Equalization of the sound system, Court personnel training, O&M manuals, and Any other work outlined in the accompanying Scope of Work.

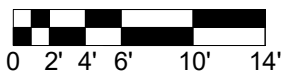
A/V & CONTROL BASE BID										
CLIN	KEY	ITEM	MAKE	MODEL	QTY	OFFERED MAKE	OFFERED MODEL	OFF. QTY	UNIT PRICE	TOTAL PRICE
1		Microphone, Desk, w/ 15" miniature gooseneck, cardioid capsule, low profile desk stand	Shure	MX415LPDF/C	8					
2		Microphone, Desktop Base, Logic enabled for LED and mute control, 6.1m (20ft) attached XLR cable, Programmable mute switch (push to mute, push to talk, logic, local, Low cut filter, CommShield Technology	Shure	MX400	6					
3		Microphone, Surface mount preamp, Logic enables for LED controm, 5 pin XLR connector	Shure	MX400SMP	2					
4		Microphone, Boundary, Condenset, Omnidirectional	Shure	MX 392/O	1					
5		UHF Remote Antenna Extension Coaxial Cable, BNC-BNC, RG8X/U type, 50'	Shure	UA850	2					
6	WM	Dual Wireless Microphone Receiver, Diversity, UHF, Digital, Frequency Agile, w/ Rack Mount Kit	Shure	ULXD4D - G50	1					
7	WM	Digital Handheld Transmitter for Wireless Microphone System	Shure	ULXD2/SM58--G50	2					
8	WM	Wall-Mounted Wideband Antenna	Shure	UA874	2					
9	WM	Surface Mount Antenna Bracket	On-Stage	MSA9030 - 06B	2					
10	WM	MICROPHONE FLANGE BLACK	On-Stage	TM08B	2					
11	DSP	White ceiling speakers with trim rings	Biamp/Desono	CM60DTD	16					
12		Powered Desk Speaker XLR Electronically Balanced	Fostex	6301NE (OF)	4					
13		Umbilical Cord for Powered Desk Speaker w/ Rotatable Right Angle XLR Connector, Right Angle Power Cord and Nylon Loom	Neutrik and Various Manufacturers	Custom, NC3MRX w/ All Accessories	4					
14	TP	Touch Panel, 10", Table Top, 1280 x 800	Extron	TLP Pro 1025T	1					
15	AV	Camera, RoboSHOT 12E USB HD PTZ 1080P w/USB Outputs and Network Control	Vaddio	999-99200-000	2					
	AV	Drop Down Mount for Small PTZ Cameras - Short	Legrand	535-2000-290	2					
16	AV	USB 3 Extenders	Vaddio	999-1005-032	2					
17	RACK	IPCP Pro 350 xi, IPCP Pro xi Control Processor	Extron	60-1912-01A	1					
18	RACK	Digital Signal Processor	Biamp	TesiraForte AVB VT 4	1					
19	RACK	Modular Expander, 12-Channel	Biamp	Tesira EX-MOD	1					
20		DuetD-5 Decoder, Duet-5 supports 4K60 4:4:4 video and Dante*/AES67 audio	Visionary	D5200	7					
21		DuetE-5 Encoder, Duet-5 supports 4K60 4:4:4 video and Dante*/AES67 audio	Visionary	E5200	2					
22		AVB to Dante Bridging	Biamp	TC - 5D AVB	2					
23	AV	USB Expander	Biamp	EX-UBT	3					
24	Rack	4 Channel AVB Power Amplifier	Biamp	XEL1200.1	1					
25		24" 1080p Thin-Bezel IPS Monitor withFreeSync, HDMI, DisplayPort, VGA	ViewSonic	VX2476-smhd	7					
26		ERGOMart Limbo Low Profile Monitor stand SL102 Limbo Low Profile LCD/LED Monitor Stand	ErgoMart	SL 102 Limbo Low	7					
27		2000VA 120V UPS Local Bank Control	Middle Atlantic	UPX-2000R-2	1					

28		Control System Programming, Complete Programming of Entire Control System. Include Programming Services to set up Remote Access into all Courtroom Control System Processors and Allow for Remote Operation by Enabling Web Control Functionality. Include Programming Services to Make Web Control Pages Match Touch Panel Control Pages. (Lot)		See SOW Sections Audio System, Video System, and Control System for programming specifics.	1				
29		CAT6 1000' Black Plenum			2				
30		22 Gauge, 2 conductor shielded audio cable 1000' Black			2				
31		16 Gauge, 2 conductor unshielded speaker cable 1000'			1				
32		HDMI Male to Male cable 6'			8				
33		HDMI Male to Male cable 12'			6				
34		USB 2 A to B cable 6'			6				
35		USB 3 A to B cable 6'			4				
		Cable, Connectors See General Project Note 3, AV Cable Schedule, and AV Cable Installation Requirements Schedule (Lot)	Various Manufacturers	Various Models	1				
EQUIPMENT SUB TOTAL									\$0.00
LABOR SUB TOTAL									
EQUIPMENT AND LABOR TOTAL									
FIRM FIXED-PRICE TRAVEL									
BASE BID GRAND TOTAL									
Prepared By:									



PARTIAL 2ND FLOOR PLAN

SCALE: 3/32" = 1' - 0"



KEYNOTES #, ETC.

1. INSTALL VISIONARY DUETE-5ENCODER.
2. INSTALL VISIONARY D5200 DECODERS.
3. TOUCH PANEL LOCATION.
4. INSTALL CAT6 WALL PLATE FOR D5200 DECODER CONNECTION AND OFE DISPLAY CART FOR CONNECTION.
5. INSTALL 24" VIEWSONIC (VX2476-SMHD)
6. INSTALL SHURE MX400SMP SURFACE MOUNT PREAMP WITH 15" SHURE MX 415 LPDF/C GOOSENECK MICROPHONE.
7. INSTALL OFCI SHURE MX400 TABLE BASE WITH 15" SHURE MX 415 LPDF/C GOOSENECK MICROPHONE.
8. INSTALL 4 FOSTEX 6301NE POWERED MONITOR SPEAKERS.
9. INSTALL OFE CISCO NETWORK SWITCH.
10. PROVIDE MATERIALS AND LABOR TO INSTALL A MONO BALANCED OUTPUT TO THE OFE WILLIAMS SOUND ASSISTED LISTENING SYSTEM.
11. PROVIDE MATERIALS AND LABOR TO INSTALL A MONO BALANCED OUTPUT TO THE COURT REPORTER USB AUDIO INTERFACE.
12. REMOVE 29 EXISTING CEILING SPEAKERS AND INSTALL NEW WIRING ALONG WITH 29 BIAMP DESONO CM60DTD SPEAKERS AS A ONE-TO-ONE REPLACEMENT FOR THE EXISTING SPEAKERS.
13. ADD SIDE BAR MICROPHONE MODEL #MX392 TO JUDGE BENCH.

LUBBOCK - GEORGE H. MAHON BLDG.

DATE: 12/09/24

SK-01

AV CABLE SCHEDULE

CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/DRAIN-PLENUM RATED		
V	VIDEO / MONITOR CABLE		
S	SPEAKER CABLE, 70 V, 16 AWG, TWISTED PAIR PLENUM RATED		
D	DATA CABLE, CAT 6 Black Plenum		

AV CABLE INSTALLATION REQUIREMENTS SCHEDULE

ORIGIN	DESTINATION	CABLE TYPE	QUANTITY	SPECIAL INSTRUCTIONS
Connection Plate 1 (CP1)	Equipment Room	M	2	5 TOTAL
JUDGE		D	2	
		V	1	
CP2	Equipment Room	M	2	5 TOTAL
CRD		D	2	
		V	1	
CP3	Equipment Room	M	2	2 TOTAL
REPORTER		D	0	
		V	0	
CP4	Equipment Room	M	2	5 TOTAL
WITNESS		D	2	
		V	1	
CP5	Equipment Room	M	2	5 TOTAL
DEFENSE		D	2	
		V	1	
CP6	Equipment Room	M	2	6 TOTAL
LECTERN		D	3	
		V	1	
CP7	Equipment Room	M	2	5 TOTAL
PROSECUTION		D	2	
		V	1	
CP8	Equipment Room	M	0	1 TOTAL
JURY COLUMN		D	1	
		V	0	
CAMERA 1	CAMERA 2	M	0	ONE cat 6 FROM JUDGE CAMERA TO LECTERN CAMERA & ONE cat 6 FROM LECTERN CAMERA TO JUDGE CAMERA
		D	2	
		V	0	

MICROPHONE INSTALLATION REQUIREMENTS SCHEDULE

COURTROOM	POSITION	MICROPHONE	QTY
LUBBOCK	JUDGE	DESK	1
		BOUNDARY	1
	COURTROOM DEPUTY	DESK	0
	REPORTER	DESK	0
	WITNESS	DESK	1
	LECTERN	SHOCK	2
	PROSECUTION	DESK	2
	DEFENSE	DESK	2
	WIRELESS MIC		1

NOTE: THE ABOVE REQUIREMENTS APPLY TO EACH POSITION SHOWN ON THE FLOOR PLANS.

MONITOR & MOUNT INSTALLATION REQUIREMENTS SCHEDULE

COURTROOM	POSITION	MONITOR	MOUNT	QTY
LUBBOCK	JUDGE	24"	LOW PROFILE DESK STAND	1
	COURTROOM DEPUTY	24"	LOW PROFILE DESK STAND	1
	REPORTER	24"	LOW PROFILE DESK STAND	1
	WITNESS	24"	LOW PROFILE DESK STAND	1
	LECTERN	42"	FLOOR STAND	1
	PROSECUTION	24"	LOW PROFILE DESK STAND	1
	DEFENSE	24"	LOW PROFILE DESK STAND	1

NOTE: THE ABOVE REQUIREMENTS APPLY TO EACH POSITION SHOWN ON THE FLOOR PLANS.

DESK SPEAKER INSTALLATION REQUIREMENTS SCHEDULE

COURTROOM	POSITION	QTY
LUBBOCK	JUDGE	1
	CRD	1
	REPORTER	1
	WITNESS	1

NOTE: THE ABOVE REQUIREMENTS APPLY TO EACH POSITION SHOWN ON THE FLOOR PLANS.

MATRIX MIX

INPUT LOCATION	RECORD CHANNEL - 1	RECORD CHANNEL - 2	RECORD CHANNEL - 3	RECORD CHANNEL - 4	INTERPRETER HEAD PHONES	ASSISTED LISTENING	JURY AREA SPEAKERS	WELL AREA SPEAKERS	GALLERY AREA SPEAKERS	FIXED VTC	HEADPHONE REPORTER	DESK SPRKR JUDGE	DESK SPRKR CRD	DESK SPRKR WITNESS	ALT. LANGUAGE	STREAMING	INTERPRETER HEADPHONES	WITNESS TIP	COUNSEL TIP - A	COUNSEL TIP - B	TELEPHONE LINE 1	TELEPHONE LINE 2	TELEPHONE LINE 3
DEFENDANT COUNSEL		X			X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PLAINTIFF COUNSEL			X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
JUDGE	X				X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
LECTERN		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WITNESS	X				X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
INTERPRETER MIC				X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
WIRELESS				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COURTROOM DEPUTY																							
BENCH CONF. MIC	X										X												
NOISE GENERATOR							X	X	X														
VIDEO EVIDENCE	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FIXED VTC	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TELEPHONE LINE 1				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
TELEPHONE LINE 2				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
TELEPHONE LINE 3				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Note: VERIFY FINAL MATRIX MIX DOWN FOR RECORD OUTPUTS AND FOR SPECIFIC TIPS ROUTING WITH THE COURT PRIOR TO PROGRAMMING.

* WHEN THE BENCH CONFERENCING BUTTON ON THE TOUCH PANEL IS ENGAGED, ROUTE THE NOISE GENERATOR OUTPUT TO THE INDICATED MATRIX OUTPUT. IN ADDITION, MUTE ALL PUBLIC ADDRESS MICROPHONES & UNMUTE THE BENCH CONFERENCE MIC INPUT. RESTORE THE ORIGINAL ROUTING & MUTING CONFIGURATION WHEN THE BENCH CONFERENCING BUTTON ON THE TOUCH PANEL IS DIS-ENGAGED.