



COLLIN COUNTY

Office of the Purchasing Agent
2300 Bloomdale Road
Suite 3160
McKinney, Texas 75071
www.collincountytx.gov

ADDENDUM NO. ONE (1)

AUDIO VISUAL UPGRADE FOR COLLIN COUNTY COURTHOUSE

RFP No. 2021-158

Effective: April 9, 2021

Delete Documents:

Specifications

Attachment A - Requirements

Attachment B – Pricing Sheet

Add Documents:

Addendum No. 1 – Specifications (changes marked in red)

Addendum No. 1 – Attachment A – Requirements

Added item – 5.22.25.1 (added item in red)

Addendum No. 1 – Attaching B – Pricing Sheet (changes are marked in red)

Exhibit C – Pre-Proposal Attendance Sheet

Please note all other terms, conditions, specifications drawings, etc. remain unchanged.

Sincerely,

Michelle Charnoski, CPPB

Purchasing Agent

4.0 EVALUATION CRITERIA AND FACTORS

4.1 The award of the contract shall be made to the responsible contractor, whose proposal is determined to be the best evaluated offer resulting from negotiation, taking into consideration the relative importance of price and other factors set forth in the Request For Proposals in accordance with Vernon’s Texas Code Annotated, Local Government 262.030.

The Evaluation Committee will review all proposals received by the Opening date and time as part of a documented evaluation process. For each decision point in the process, the County will evaluate contractors according to specific criteria and will elevate a certain number of contractors to compete against each other. The proposals will be evaluated on the following criteria.

The County will use a competitive process based upon “selection levels.” The County recognizes that if a contractor fails to meet expectations during any part of the process, it reserves the right to proceed with the remaining contractors or to elevate a contractor that was not elevated before. The selection levels are described in the following sections.

Level 1 - Conformance with Mandatory Technical Requirements

Criteria assessed during Level 1:

- Conformance with RFP guidelines and submittal requirements outlined in Section 6.0 including response to each item in Section 6.0.
- Submit completed Attachment A - Requirements, Attachment B - Pricing Sheet and if applicable, Detailed Response to Requirements.

The following items listed below are Collin County equipment manufacturer standards per Court Order No. 2020-1104-11-02. No substitutions allowed.

- The video processing/switching/control equipment shall be Crestron with no substitutions allowed.
- The audio digital signal processor shall be by Biamp Systems Corporation with no substitutions allowed.
- The network cabling system shall comply with Collin County’s Panduit requirements and manufacturer shall be Panduit Corporation with no substitutions allowed.
- The assisted listening system shall be Williams Sound with no substitutions allowed.
- Data room switching and routing shall be Cisco Equipment with no substitutions allowed.

Level 2 – Detailed Proposal Assessment (Maximum 100 Points)

The Evaluation Committee will conduct a detailed assessment of all proposals elevated to this Level. Proposals may earn up to 100 Points based on evaluated criteria. Criteria evaluated in Level 2 include:

Points	Description
65	Response and compliance with Attachment A-Requirements (Proposal Format Item 6.8) (Maximum of 65 Points) <ul style="list-style-type: none"> • General Requirements (Maximum of 10 Points)

	<ul style="list-style-type: none"> • Functional Requirements (Maximum of 20 Points) • Technical Requirements (Maximum of 25 Points) • Warranty Requirements (Maximum 5 Points) • Training Requirements (Maximum 5 Points)
20	Qualifications of Firm (Proposal Format Item 6.2; 6.3) References/Comparable Experience (Proposal Format Item 6.5; 6.6)
15	Project Plan/Timeline (Proposal Format Item 6.4; 6.7)

It is anticipated that Collin County will elevate proposals scoring at least 70 points (70%) to Level 3.

Level 3 – Cost (Maximum 25 Points)

Points	Description
25	Total Cost including 1 year warranty (Proposal Format Item 6.9)

Level 4–Best and Final Offer

Contractors who are susceptible of receiving award will be elevated to Level 4 for Best and Final Offer. Contractor will be asked to respond in writing to issues and questions raised by the County as well as any other cost and implementation planning considerations in the proposal, and may be invited to present their responses on-site. Proposals may be re-evaluated based upon Criteria in level 2 and level 3.

Based on the result of the Best and Final Offer evaluation, a single contractor will be identified as the finalist for contract negotiations. If a contract cannot be reached after a period of time deemed reasonable by the County, it reserves the right to contact any of the other contractors that have submitted bids and enter into negotiations with them.

5.0 SPECIAL CONDITIONS AND SCOPE OF SERVICES

- 5.1 Authorization: By order of the Commissioners’ Court of Collin County, Texas sealed proposals will be received for **Audio Visual Upgrade for Collin County Courtrooms.**
- 5.2 Intent of Request for Proposal: Collin County’s intent of this Cooperative Request for Proposal (RFP) and resulting contract is to provide contractors with sufficient information to prepare a proposal for equipment and installation for **Audio Visual Upgrade for Collin County Courtrooms.**
- 5.3 Term: Provide for a term contract commencing on the date of the award and continuing until project is complete. County will enter into an annual warranty/maintenance agreement for the period of one (1) year after project acceptance.
- 5.4 Pre-Proposal Conference: A mandatory pre-proposal conference will be conducted by Collin County on Friday, March 26, 2021 at 2:00 pm or Wednesday, March 31, 2021 at 2:00 pm meet between the escalators (you will need to go through security) 2100 Bloomdale Road, McKinney, TX 75071. The group will then visit sample courtrooms to see the equipment layout. This is to provide an opportunity for all interested companies to ask questions, receive clarification and additional documentation providing statistical information, and to tour the facilities. Participation in the conference is

mandatory for any Contractor intending to submit a proposal. The site tours are also **MANDATORY** to avoid the situation of a proposal being submitted without the Contractor having seen the facilities. While the conference and site tours are mandatory, it is not mandatory that the same company representatives participate in both activities. Delegation of each task assignment is at the discretion of the Contractor; however, at least one company representative shall represent the Contractor at each activity.

Those interested in attending the pre-proposal conference shall RSVP to purchasing@co.collin.tx.us with “2021-158, Audio Visual Upgrade for Collin County Courtrooms” in the subject line, no later than Thursday, March 25, 2021 at 12:00 PM. RSVP response shall include company name, name of individual that will be attending and the preferred session time. Attendees for each session will be scheduled in the order received.

- 5.5 Point of Contact: Information regarding the purchasing process and the contents of this RFP may be obtained from the Collin County Department or email shoglund@co.collin.tx.us, Sara Hoglund, Senior Buyer.
- 5.6 Funding: Funds for payment have been provided through the Collin County budget approved by the Commissioners’ Court for this fiscal year only. State of Texas statutes prohibit the County from any obligation of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that arise past the end of the current Collin County fiscal year shall be subject to budget approval.
- 5.7 Completion/Response Time: Contractor shall place product(s) and/or complete services at the County’s designated location according to the schedule proposed by contractor in Section 6.8.
- 5.8 Delivery/Setup/Installation Location: Locations for delivery and installation will be stated on the Collin County Purchase Order(s). Delivery shall include assembly, setup and installation and shall be included in proposal. Below is the address for work to be completed.
- Russell A. Steindam Courts Building
2100 Bloomdale Road
McKinney, TX 75071
- 5.9 Freight/Delivery charges: shall be included in the submitted pricing. No additional fees for delivery/freight/fuel surcharge or other fees shall be invoiced or paid by Collin County.
- 5.10 Testing: Testing may be performed at the request of Collin County, by an agent so designated, without expense to Collin County.
- 5.11 Samples/Demos: When requested, samples/demos shall be furnished free of expense to Collin County.
- 5.12 Approximate Value/Usage: Approximate usage does not constitute an order, but only implies the probable quantity the County will use. Estimated expenditure is \$1,500,000.
- 5.13 Background Check: All Contractor employees that will be working on site or by remote access shall pass a criminal background check performed by Collin County before any work may be performed. The selected contractor shall be provided the required documents to submit required information for background checks.

5.14 **Subcontractors:** Contractor shall state names of all subcontractors and the type of work they will be performing. If an contractor fails to specify a subcontractor, then he shall be deemed to have agreed that he is fully qualified to perform the contract himself, and that he will fully perform the contract himself. No proposer whose proposal is accepted shall (a) substitute any subcontractor, or (b) permit a subcontract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original proposal without approval in writing from the Collin County Purchasing Department.

The successful proposer further agrees that Collin County and its agents, servants and employees shall not be liable for any loss or damage resulting from personal injury, physical loss, harassment of or discrimination against employee or other violations of the provisions of this contract occasioned by the acts or omissions of the successful proposer’s sub-contractors, their agents or employees. The indemnification provisions of this contract shall apply to all sub-contractors.

5.15 **Confidential or Proprietary Information:** Collin County is subject to the Texas “Public Information Act”, Texas Government Code Chapter 552. Contractors shall identify those portions of their proposals that they deem to be confidential, proprietary information or trade secrets. Contractors shall clearly indicate each and every section to which this applies. It is not sufficient to preface the entire proposal with a proprietary statement. State of Texas Attorney General retains the final authority as to the extent of material that is considered proprietary or confidential.

5.16 **Payment and Performance Bonds:** In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00 and a Performance Bond if the contract is in excess of \$100,000. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56th Legislature, Regular Session, 1959 (Article 7.19-1 Vernon’s Texas Insurance Code).

5.17 **Wage Scale:** In accordance with The Texas Government Code, Title 10, Chapter 2258, Prevailing Wage Rates, the general prevailing wage rate has been determined for this locality for the craft or type of workman needed to execute work of a similar character of the project listed herein. The Contractor shall pay the prevailing wage rate in this locality to all his/her employees and subcontractors performing work on this project, and in no event shall the Contractor pay less than the rate shown in the following schedule. Refer to Exhibit B for current prevailing wage rates.

5.18 **PROPOSAL SCHEDULE**

Collin County reserves the right to change the schedule of events as it deems necessary.

RFP Released	Tuesday, March 15, 2021
Mandatory Pre-Proposal Conference	Friday, March 26, 2021 at 2:00 pm (CST) or Wednesday, March 31, 2021 at 2:00 pm (CST)
Deadline for submission of questions	Friday, April 9, 2021 at 5:00pm CST
Proposals Due:	Thursday, April 15, 2021 at 2:00pm CST
Award of RFP:	June 2021

5.19 **PURPOSE/SCOPE OF WORK**

Collin County has 26 courtrooms (**the project will be upgrading 25 of the 26 Courtrooms**), which are used to hear District Court and County Court cases, overflow cases, attorney general cases and other special ad-hoc court dockets. Currently, there is existing HDBaseT A/V and we are upgrading to an A/V over IP system. The county is seeking a turn-key solution to procure, deliver, install, configure, program, test, and document the standard county build out to provide the AV services for these courts.

The attached Requirements (Refer to Attachment A) and pricing sheet (Refer to Attachment B), along with any additional cables, boxes, connectors, faceplates or other materials required to provide a turn-key AV solution, will be required for this RFP. This pricing sheet is for procurement, installation and configuration of an audio/visual A/V over IP upgrade solution in twenty-six **five** (~~26~~ **25**) courtrooms.

5.20–5.22 – See Attachment A – Requirements. Complete and submit in accordance with section 6.8.

Attachment References:

Attachment A – Requirements

Attachment B – Pricing Sheet

Exhibit References:

Exhibit A – Network Cabling Requirements

Exhibit B – Wage Rates

Exhibit C – Pre-Proposal Attendance Sheet

6.0 PROPOSAL FORMAT

In accordance with the directions below, contractor shall provide a response for each item in Section 6.2 – 6.9 in order and include item numbers in response. Answer all questions fully, clearly, and concisely, giving complete information. Do not skip items. Do not refer to other parts of your proposal for the answers. You may not modify either the order or language of the question. **Responses shall include a statement of “agree”, “confirmed”, “will provide”, “not applicable”, or “exception taken” along with any additional information.** If an item is “not applicable” or “exception taken”, contractor shall state that and refer to Section 7.0 Exceptions, with explanation.

Contractor shall adhere to the instructions in this request for proposals on preparing and submitting the proposal. If contractor does not follow instructions regarding proposal format, points will be deducted during the evaluation process.

6.1 PROPOSAL DOCUMENTS: To achieve a uniform review process and to obtain a maximum degree of comparability, the proposal shall, at a minimum include a Table of Contents detailing sections and corresponding page numbers.

6.1.1 Proposals may be submitted online via <http://collincountytx.ionwave.net> or submitted via CD-ROM or Flash Drive. Electronic submissions are preferred.

6.1.2 If submitting manually, proposal shall be submitted in a sealed envelope or box with RFP name, number, and name of firm printed on the outside of the envelope or box. Manual submittals shall be sent/delivered to the following address and shall be received prior to the date/time for opening:

Collin County Purchasing
2300 Bloomdale, Suite 3160
McKinney, TX 75071

Paper copies shall be printed on letter size (8 ½ x 11) paper and assembled using spiral type bindings, staples, or binder clips. Do not use metal-ring hard cover binders. Manual submittals shall include an electronic copy in a searchable format.

It shall be the responsibility of the contractor to insure that their proposal reaches Collin County Purchasing prior to the date/time for the opening no matter which submission method is used.

Proposal shall include but not be limited to information on each of the following:

6.2 **FIRM OVERVIEW**

Contractor shall define the overall structure of the firm to include the following:

- 6.2.1 A descriptive background of your company's history.
- 6.2.2 State your principal business location and any other service locations.
- 6.2.3 State the address and normal business hours of your local service location and list the number of technical support personnel assigned to this work location. Should a service location not exist in the Collin County region please list your nearest service location to the county.
- 6.2.4 What is your primary line of business?
- 6.2.5 How long have you been selling product(s) and/or providing service(s)?
- 6.2.6 State the number and location of installations where your services are in use.
- 6.2.7 Identify any terminated public sector projects. Disclose the jurisdiction and explain the termination.
- 6.2.8 Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, please explain the impact both in organizational and directional terms.
- 6.2.9 List of all lawsuits resulting in award (in or outside of court) to a client and provide basis and finding of any settlement.

6.3 **PROPOSED PROJECT TEAM/STAFF QUALIFICATIONS/EXPERIENCE/CREDENTIALS**

- 6.3.1 Provide credentials, qualifications as well as experience for each team member or key personnel on the project.
- 6.3.2 Provide name, job title, responsibilities, project management practices, role on the project, and number of years they have been in the role.

6.4 **PROPOSED PROJECT**

- 6.4.1 Contractor is requested to provide an implementation plan for the proposed product(s)/service(s) to include but not limited to the following areas:
 - 6.4.1.1 Project to include all necessary components to render it complete and operational;
 - 6.4.1.2 Proposed Project Plan showing, at a minimum, the following key areas:
 - 6.4.1.2.1 Installation

6.4.1.2.2 Education and Training

6.4.1.2.3 Testing and Support

6.4.1.3 Documentation samples showing the work product the county may expect to receive covering:

6.4.1.3.1 Warranty/Maintenance

6.4.1.3.2 Configuration and programing details

6.4.1.3.3 As-Built Diagrams

6.5 REFERENCES

6.5.1 Provide a minimum of three (3) references. Include the following information for each reference; the name and address of the organization, as well as the name, position, email and telephone number of the contact in the referred organization. References with similar projects and users are preferred.

6.5.1.1 Describe the services provided, the start date, months to complete and the total cost of project. Include organizations that have completed similar in scope projects in the last 2 years.

6.6 SIMILAR PROJECTS INVOLVED WITH

6.6.1 Provide a list of other similar projects that you are involved with currently or will be involved with during the duration of this project.

6.7 TIME SCHEDULE

6.7.1 Provide a schedule for each phase of the proposed project beginning with program development and ending with the date of operation to minimize the duration of the implementation. The schedule shall include all tasks that will require time in the process, such as County review (identify amount of time assumed for each task). All work shall be performed during normal business hours (Monday – Friday, 8am – 5pm). Weekend and after hours work will not be permitted.

6.8 REQUIREMENTS & DETAILED RESPONSE TO REQUIREMENTS

6.8.1 Contractor shall respond to all requirements in Attachment A - Requirements.

6.8.1.1 Requirements that require a detailed response shall be submitted as an attachment titled "Detailed Response to Requirements". The responses shall be in order and include the reference numbers within this document. Acknowledgement of response on this sheet is required and reference of location of response shall be referenced in the comment section of this document.

6.8.1.2 Any responses that are answered as a yes mean that the system will fully comply with no setup required, configurable with no changes to source code, or are provided with reporting tool. If the functionality is not available at this time the response shall be answered as no and shall be included in your proposal as "exceptions" with further explanation. Refer to Section 7.0 of the specifications for more details on Exceptions.

6.9 PRICING/FEES

- 6.9.1 See Attachment B Pricing Sheet. Be sure to include all items necessary to render project complete and operational.
- 6.9.2 State Cost for Maintenance/Warranty for 1 Year.
- 6.9.3 Pricing shall be valid through September 30, 2022. If there are not enough funds to complete all Courtrooms in the project with the current budget, additional funding may be requested in the 2022 budget.

7.0 EXCEPTIONS

Instructions for completing section:

The exception table shall be completed for any exception from requirements identified in this RFP. Please complete the following worksheet listing any and all exceptions from the information requested in the Request for Proposal. Attach additional pages as needed. If no exceptions are listed in Section 7.0 it is understood that the contractor has agreed to all RFP requirements, the response will be considered as confirmed even if it is listed elsewhere as an exception.

Section Number/ Question Number	Required Service Contractor is Unable to Perform	Steps Taken to Meet Requirement

Reference Number	<p>IMPORTANT INFORMATION:</p> <p>Requirements that require a detailed response shall be submitted as an attachment titled "Detailed Response to Requirements". The responses shall be in order and include the reference numbers within this document. Acknowledgement of response on this sheet is required and reference of location of response shall be referenced in the comment section of this document.</p> <p>Any responses that are answered as a yes mean that the system will fully comply with no setup required, configurable with no changes to source code, or are provided with reporting tool. If the functionality is not available at this time the response shall be answered as no and shall be included in your proposal as "exceptions" with further explanation. Refer to Section 7.0 of the specifications for more details on Exceptions.</p>	Yes System currently performs these functions and/or agree to requirement	No System does not perform this function and/or cannot agree to requirement	Written Response: Include additional comments below. If you need additional space please include with your submittal an attachment titled "Detailed Response to Requirements" and note accordingly below.
5.20 GENERAL REQUIREMENTS				
5.20.1	Provide a complete project, including but not limited to procurement, delivery, installation, configuration set-up, testing and documentation of audio visual equipment.			
5.20.2	Attachment B - Pricing Sheet is preferred for reasons of supported consistency. All items on the pricing sheet shall be priced.			
5.20.3	The following items listed below are Collin County equipment manufacturer standards per Court Order No. 2019-343-05-07. No substitutions allowed:			
5.20.3.1	Crestron			
5.20.3.2	BiAmp			
5.20.3.3	Panduit			
5.20.3.4	Williams Sound			
5.20.3.5	Cisco			
5.20.4	Contractor shall be responsible for procurement and delivery of all cables, boxes, connectors, faceplates and other materials required to provide a turn-key AV solution to the county.			
5.20.5	Contractor shall perform all audio/visual programming required for the turn-key project.			
5.20.6	All programming performed with Biamp Tesira, Crestron Software, Touch screen design, and parameters specific to Crestron Fusion on Premise will be the property of Collin County and all source code will be provided to the County as part of the turn-key solution, prior to approval of final payment.			
5.20.7	The awarded contractor shall provide an electronic copy of files showing how the architected solution will be installed at the County. The diagram(s) shall show the network connections and communication path(s) within the courtroom(s) and how that connects to the County data network and integrated A/V system. Cad drawings preferred.			
5.20.8	The awarded contractor shall provide a complete documentation set of all configuration notes, drawing diagrams and Touchpanel how-to operate manual.			
5.20.9	The County prefers that contractors or implementation partners have a local office or headquarters within the Dallas/Fort Worth metroplex to minimize any implementation, or ongoing production support, costs.			
5.20.10	Provide a single point of contact to act as Project Manager on their behalf.			
5.20.11	All technical communication of any kind shall go through the contractors' Project Manager, the Collin County Project Manager, and the Collin County Audio/Visual Administrator.			
5.20.12	Provide all new equipment for this project. None of the required equipment shall be refurbished, or reused.			
5.20.13	Provide offsite storage for all equipment purchased for this project and shall be responsible for theft or damage to the equipment until final acceptance of the project. Collin County will not provide any onsite storage.			
5.20.14	Review RFP requirements for completeness and accuracy in order to ensure a full and properly functioning system upon completion. If the contractor misses a piece of equipment, requirement, incompatibility, or service required for a complete and functioning solution it shall be their responsibility to correct it at their own expense whether by purchasing the missing components or performing the required labor. Please note that no amendments shall be allowed once proposal has been accepted by Collin County unless the County changes the scope of the project.			
5.20.15	During the installation, if it is found there are discrepancies in equipment that prevent the completion of the project, the contractor will be responsible for supplying those items and covering the cost of those items. The cost of any item mistakenly installed will be covered by the Contractor.			
5.20.16	Existing equipment shall be disconnected and removed and moved to a to be determined spot with the building.			
5.21 FUNCTIONAL REQUIREMENTS				
5.21.1	There shall be a way for the volume of each group's mic and speakers to be independently adjusted up or down so that speakers and seated parties comfortably hear each other with no feedback.			
5.21.2	Seated parties in gallery, jury box, attorney tables, witness stand, podiums facing the judge, court reporter area, the Judges bench, clerk and bailiff areas shall hear everything said by any speaker speaking into the microphone without feedback.			
5.21.3	The speaker shall have the ability to turn off the microphone.			
5.21.4	Seated parties shall hear everything said from the wired mics and wireless mics, or as speakers move around the room without feedback.			
5.21.5	In the Chambers Area Staff Court location, the Court Coordinator shall hear everything said from the desk powered monitor Speaker.			
5.21.6	Everything displayed by the 98" TV will be viewable by all parties of the Court and be mounted behind the Witness area.			

5.21.7	Everything displayed by the 55" TV will be viewable by all parties of the Court Gallery and be ceiling pole mounted.			
5.21.8	Everything displayed to the Dell annotation touch screens shall be viewable at its positioned location for areas being the attorney tables, witness stand, and court reporter areas of seating.			
5.21.9	Annotation operability shall be setup for viewing the tools to touch and annotate along with printing setup. Coordinate printing setup with Collin County A/V Administrator.			
5.21.10	All images displayed shall be viewable and legible by all parties of the Court.			
5.21.11	All images displayed shall be clear and sharp with no over scan, blurriness, image smear, blinking, or ghosting.			
5.21.12	A/V System shall be able to accept, process, and switch digital and analog video sources utilizing VGA, DVI, HDMI, Display Port, USB-C, etc. from connectivity adapters to HDMI.			
5.21.13	System shall be able to output the appropriate digital video resolution to any display in the system regardless of source resolution utilizing HDMI.			
5.21.14	Crestron Fusion On-premises Enterprise software shall be programmed by the Contractor and shall work with the A/V admin for access to existing On-Premise Software.			
5.21.15	Crestron Fusion shall be able to view all assets with monitoring and IT helpdesk and support should receive alerts of issues and remotely taking control of devices to resolve with Crestron Fusion's management software.			
5.21.16	Contractor shall agree to requirements outlined in Exhibit A - Network Cabling General Requirements.			
5.21.17	Contractor shall install a wall mounted 65" TV in twenty three (23) Jury Deliberation rooms along with A/V component shelving.			
5.21.18	Contractor shall provide and install a BenQ Instashow device mounted close to the TV, concealed and functional in Jury Deliberation rooms.			
5.21.19	Contractor shall install for the Court Room an Owner Furnished BenQ Instashow as a source.			
5.21.20	Contractor shall provide adapter ring sets for the Courts and Jury Deliberation room for all computer port types working with all Operating System types with HDMI, to also explicitly include vga with audio to HDMI, USB-C, display port, mini display port, mini HDMI, Apple lightning, etc.			
5.21.21	Contractor to have similar control touchscreen look as existing touchpanel and add all necessary features of devices for control. Work with Collin County A/V Administrator for changes and final approval.			
5.21.22	Contractor to install in the Court, 4 Ceiling viewable mounted cameras for Video Teleconference applications use and Bailiff to have touch control of camera functions for zooming, PTZ, preview of cameras, and camera presets.			
5.21.23	Contractor to provide KVM USB Routing for choosing camera in Video Teleconference applications for the Judge and Bailiff in Crestron touchscreen.			
5.21.24	Contractor to install wall plate Crestron RJ45 female connection in wall between Gallery and Jury Box location to run back to IDF for setup as decoder connection.			
5.22	TECHNICAL REQUIREMENTS			
5.22.1	At the A/V closet all Cat 6e jumper patch cables shall run from devices to the existing patch panel and existing cable runs from the court shall be terminated on female Panduit data jacks to the Patch panel using the TIA/EIA 568-B cabling standard.			
5.22.2	At the IDF closet all Cat 6e jumper cables shall run from the switch to the angled patch panel and all infrastructure cabling to connect from IDF to the A/V closet.			
5.22.3	All court room encoders and decoders shall connect to existing cat cable terminations and re-terminated as needed connecting to their respective drop connections and mounted securely in respective cabinets or underneath tables for a discreet look.			
5.22.4	All new additional cable runs shall be determined by Contractor to run either back to the AV closet or IDF closet depending on infrastructure.			
5.22.5	All A/V Room rack equipment devices for network and A/V over IP encoding and decoding connections to shall connect to the patch panel with Panduit cat 6e patch cable.			
5.22.6	Provide Crestron HDMI cable from the encoder to be located at Judges bench to the respective computer and any additional adapter as needed to make function for audio and video displaying.			
5.22.7	Provide Crestron HDMI cable from the decoder to be located at Judges bench to the respective display and any additional adapter as needed to make function for video displaying.			
5.22.8	Provide Crestron HDMI cable from the decoders to be located at attorneys bench, Court Reporter, and witness stand areas to the respective Dell monitor for video displaying.			
5.22.9	Contractor to install new Flip Top Cubby removing existing at Counsel tables and if no existing cubby then Contractor to have proper tools for cutting and installing the cubby and making proper connections.			
5.22.10	Document camera to be located center of attorney tables cabinet. Contractor to install Document camera cabling, and serial control to the encoder to be located in center cabinet along with power for connection located below at floor box.			
5.22.11	Connect existing 50ft HDMI cable from the Judges bench for the tablet connection to the HDMI input of new system install of NVX card located at DM card Chassis in A/V closet for tablet display connection.			
5.22.12	Provide Crestron Touchscreen for control at the Judges existing drop connection			
5.22.13	Provide Viewsonic display at the Judges bench and make proper connections to decoder.			
5.22.14	Provide Crestron Touchscreen for control at the bailiff location at existing drop connection.			
5.22.15	Provide Dell Touch screen for Bailiff having programmed touch Camera control with proper connections to the Digital graphics engine to be located at Bailiff area.			

5.22.16	Provide NVX decoder at Bailiff location to have ability to display.			
5.22.17	Provide Crestron Touchscreen at the Attorney tables location for limited control at existing drop connection.			
5.22.18	Provide connection from the Annotation system in A/V rack with proper mounting of digi-usb2 boxes with usb cabling from system to the digi-usb2 transmitter with the twisted pair extender to the twisted pair extender end of the receivers at all dell monitor locations for annotation control.			
5.22.19	Contractor to make proper connections from HDMI Input and output of NVX encoding and decoding equipment to corresponding devices.			
5.22.20	Provide HDMI Crestron Gravity retractors for input as well as ring adapters for connection of laptop computers, iPad's, etc. at attorney tables including power that will be installed in the flush mount flip top cubby.			
5.22.21	Contractor shall provide proper connection from NVX down mixing card to the audio DSP server.			
5.22.22	Contractors shall reuse the cable to connect the network audio conference components to an analog voice data port on the audio server.			
5.22.23	Contractor shall configure the table mics internal dipswitch to allow manual off and on function of the mic.			
5.22.24	Contractor shall reuse existing XLR cabling connections to new DSP server, at attorney defense and plaintiff tables area floor boxes, 2 at floor box area connections at center court area, the Witness stand area, Court Reporters area, and Judges bench.			
5.22.25	Contractor shall reuse speaker cabling connections from existing speakers.			
5.22.25.1	Contractor shall add speaker cabling and wall mount under counter speakers for the Judge and Court Reporter.			
5.22.26	Contractor to add 2 more hanging mics for speaking in gallery and determine best location for quality from existing conditions and move existing hanging mics locations as needed.			
5.22.27	Contractor to provide 2 wireless mic receivers mounted in rack.			
5.22.28	The Assistive Listening System shall be mounted as recommended by Contractor for optimal transmission to the receiver for best audio hearing reception.			
5.22.29	Contractor to provide an Audio XLR drop connection for the desk monitor speaker to be located in the court staff area at the desk of the Courts Coordinator.			
5.22.30	The Contractor shall be responsible for the mounting of the 98" television display by securing to the wall.			
5.22.31	The Contractor to provide HDMI cable from A/V rack DM card chassis for decoder to TV along with serial control cable connection to TV from CP4N.			
5.22.32	The Contractor to provide HDMI cable from mounted decoder on back of 55" TV's along with serial control cable connection to TV.			
5.22.33	Contractor to work with A/V admin for placement of ceiling mounted cameras.			
5.22.34	Camera Cat cable runs to go to patch panel in IDF			
5.22.35	Crestron HD Streaming Receivers to be located in A/V closet rack and Contractor to make proper connections to the Multi-Window Video Processor, NVX, and Vaddio media bridge for USB Video connection use for VTC application use.			
5.22.36	Cameras to be properly programmed for Bailiff to View and select single views or quad view to stream out for VTC applications on Dell touchscreen along with zooming and PTZ.			
5.22.37	Laptop or other device output compatibility with Display Port, Mini/Micro HDMI and Apple connectors, etc. shall be accomplished with the use of adapters on a ring and shall be provided by the contractor to the court.			
5.22.38	Crestron Touchscreen Control system shall have a similar look, feel, and operation of the existing court with updated programming of new devices and their features to be controlled. It is the Contractors responsibility for approval of control design with A/V admin.			
5.22.39	A movable NVX shall be programmed for use with floor boxes as a decoder.			
5.22.40	All Floor Box Cat Connections shall be connected to the patch panel and configured for use.			
5.22.41	Programming of Crestron CP4N control system of devices with functionality and interface modified to meet requirements for a complete system.			
	Proper labeling of necessary connections to be provided by the contractor.			
5.22.42	All patch panel connections shall be labeled by Contractor to corresponding devices with labeling.			
5.22.43	Rack cable management shall be provided with use of Velcro.			
5.22.44	Devices in rack shall be positioned and spaced for ease of maintenance or removal.			
5.22.45	Contractor shall communicate with the A/V admin to retrieve the IP ranges, subnet mask and gateway for devices.			
5.22.46	Contractor will setup IGMPV3 on the switch and all ports setup.			
5.22.47	Contractor will set up NVX USB routing for video telepresence camera feed.			
5.22.48	All streaming protocols and controls shall be configured and setup as needed for a complete system.			
5.22.49	Contractor will set the transmitter and receiver modes of encoders and decoders.			

5.22.50	Contractor will set IP's along with hostnames for all devices corresponding to court name device location and type.			
5.22.51	Contractor will set the routing groups.			
5.22.52	All devices shall have the latest firmware installed by the Contractor.			
5.22.53	All power connections of equipment in A/V rack shall be connected using best industry practice. Existing UPS shall be used.			
5.22.54	MAINTENANCE/WARRANTY/SERVICE RESPONSE REQUIREMENTS			
5.22.54.1	Provide a one (1) year warranty on all products and workmanship beginning at the time of final project acceptance by both parties. Any equipment needing to be replaced shall be replaced with brand new if failure occurs within the first ninety (90) days. Warranty shall include defects in workmanship and material. During warranty period, supplier shall also replace or repair, free of charge, any equipment proven to be defective in workmanship or material. Owner furnished equipment shall be exempt from this warranty. Contractor shall provide cost for optional extended warranty and exchange policy through equipment manufacturers.			
5.22.54.2	All items reported shall receive a response via phone within Two (2) hours from the date/time of original notice of issue.			
5.22.54.3	When a failure occurs, Contractor agrees to send qualified maintenance personnel, as required, to arrive at the affected County facility within twenty-four (24) hours of request, 8:00 A.M. to 5:00 P.M. Central Time, Monday through Friday, excluding weekends and County holidays.			
5.22.55	TRAINING REQUIREMENTS			
5.22.55.1	Provide two (2) hours of training on all installed components for both the A/V technicians and the system end-users			
5.22.55.2	Provide minimum Eight (8) hours of onsite hands on training to the county Audio/Visual Administrator and Two (2) alternates on operation, troubleshooting, and configuration of completed system.			

Qty	Description	Manufacturer	Part/Model No.	Each Price	Total Price
A/V Rack					
1	Vertical Power Strip	Middle Atlantic	PD-2415SSC-NS	\$	-
1	ATS	APC	AP4450	\$	-
Courtroom Main Display					
1	98" LED HDTV, 1080p, 120Hz, 4-HDMI, RS-232c	NEC	C981Q	\$	-
1	98" Display Wall Mount	Chief	XTM1U	\$	-
Courtroom Gallery Displays					
2	55"	NEC	E557Q	\$	-
2	Fusion pole Mount	Chief	LCM1U	\$	-
2	Ceiling Plate and Column	Chief	CMA100	\$	-
Courtroom Touch Displays for Attorney's, Witness, Court Reporter and Judge					
4	24" Touchscreen Display for Annotation	Dell	P2418HT	\$	-
1	16" Touchscreen Display	Viewsonic	TD1655	\$	-
Courtroom Wall Plate					
1	Ethernet Wall Plate	Crestron	MP-WP183-B	\$	-
Courtroom Source Device					
1	Document Camera	Elmo	PX-30 E	\$	-
A/V Rack Courtroom Source Device					
1	Annotator Pro Plus	Williams AV	AN CSP	\$	-
Courtroom Network Encoder/Decoder					
13	DM NVX Encoder and Decoder	Crestron	DM-NVX-350- DM-NVX-360	\$	-
A/V Rack Courtroom Network Encoder/Decoder					
7	DM NVX Encoder and Decoder Card	Crestron	DM-NVX-350C- DM-NVX-360C	\$	-
1	DM NVX Encoder and Decoder Card with Downmixing	Crestron	DM-NVX-351C	\$	-
1	DM Card Chassis	Crestron	DMF-CI-8	\$	-
IDF Data room Switching and Routing					
1	Cisco Catalyst 9300 48 port UPOE Network Essentials	Cisco	C9300-48U-E	\$	-
1	SN7C-8X5XNBD Cisco Catalyst 3850 48 port Mini, 4x10G Uplink	Cisco	C9300-NM-8x	\$	-
1	1100W AC 80+ Platinum power supply	Cisco	PWR-C1-1100WAC-P	\$	-
1	1100W AC 80+ Platinum Secondary Power Supply	Cisco	PWR-C1-1100WAC-P	\$	-
1	Cisco StackWise-480 50cm stacking cable	Cisco	STACK-T1-50CM=	\$	-
1	Cat 9300 Stack power cable 30cm	Cisco	CAB-SPWR-30CM	\$	-
1	C9300 Cisco DNA Essentials-48 port-3 year	Cisco	C9300-DNA-E-48-3Y	\$	-
1	North America AC Type A Power Cable	Cisco	CAB-TA-NA	\$	-
1	UNIVERSAL	Cisco	S9300UK9-169	\$	-
1	SOLN SUPP 8X5XNBD Catalyst 9300 48-port UPOE, Network Essentials	Cisco	CON-SSNT-C93004UE	\$	-
1	Panduit angled 48 port patch panel	Panduit	CPPLA48WBLY	\$	-
Courtroom Control TouchPannels					
2	10.1" Touch Screen, Black Smooth	Crestron	TSW-1070-GV-B-S- TS-1070-B-S	\$	-
1	7" Touch Screen, Black Smooth	Crestron	TSW-770-GV-B-S- TS-770-B-S	\$	-
A/V Rack Courtroom Control Processor					
1	4-Series Control System	Crestron	CP4N	\$	-
Courtroom Council tables Cubbies					
2	Flip Top Cubby, 4 open slots w/1 AC outlet included	Crestron	FT2-202-MECH-AC-B KIT	\$	-
2	Gravity Cable Retractor for FT2	Crestron	FT2A-CBLR-GR-4K-HD	\$	-
Chambers Office area Court Coordinator Audio					
1	Powered Monitor Speaker	Yamaha	MSP3	\$	-
Courtroom Audio Speakers					
7	Pair 6.5" Ceiling Speaker (14 speakers)	JBL	Control 26 C/T	\$	-
Courtroom Gallery Audio Mics					
6	Hanging Microphones	Audix	M55W	\$	-
Courtroom Audio Table Mics					
7	18" Desktop Gooseneck Condenser Microphone	Shure	MX 418 D/C	\$	-
Courtroom Audio Floorbox Mics and stands					
1	60cm Dual Flex Gooseneck with 3-Pin XLR MZH 3062	Sennhieser	500652	\$	-
1	Cardioid condenser microphone	Sennhieser	ME34	\$	-
1	Floor Stand with XLR connection MZFS80NX	Sennhieser	500892	\$	-
1	Cardioid Dynamic, On-Off Switch mic and kit with xlr cable and 1 mic stand	Shure	SM48S-LC	\$	-
A/V Rack Audio Server					
1	Tesira DSP server with up to 48 channels of I/O	Biamp	Tesira SERVER-IO AVB	\$	-
5	4 Channel Echo Cancelling Input Card	Biamp	Tesira SEC-4	\$	-
3	4 Channel Line Output Card	Biamp	Tesira SOC-4	\$	-
1	2 Channel Telephone Interface Card	Biamp	Tesira STC-2	\$	-
1	8 Channel 175W digital networked Amplifier	Biamp	Tesira AMP-8175R	\$	-
2	4 Channel mic/line input card	Biamp	Tesira EIC-4 Tesira SIC-4	\$	-
A/V Rack Wireless System					
2	Combo Wireless System (SM58 & WL185)	Shure	QLXD124/85-H50	\$	-
1	Passive Antenna Splitter/Combiner Kit and hardware	Shure	UA221	\$	-
2	100' UHF Remote Antenna Extension cable BNC-BNC, RG213/U type	Shure	UA8100	\$	-
2	In-Line Antenna amplifier for remote mounting, (470-902 MHz)	Shure	UA834WB	\$	-
2	In-Line adapter. Supplies 12V DC bias power over coaxial BNC cable, includes PS23US	Shure	UABIAS-T-US	\$	-
1	ALS Infrared	Williams Sound	IR SY5	\$	-
Jury Deliberation area					
1	65" TV	Samsung	UN65NU6900FXZA- QN65QN90AAFXZA QM65R	\$	-
1	TV wall mount	Sanus	BLL2-B1	\$	-
1	A/V wall shelving	Peerless-AV	ESHV30	\$	-
1	BenQ Instashow	Ben Q	WDC20	\$	-
Courtroom Cameras Video Teleconference System					
4	PTZ HD Camera POE 30X Optical Zoom, HDMI out	Panasonic	AW-HE40HWPJ9	\$	-
4	Ceiling/Wall Mount	Vaddio	535-2000-246	\$	-
A/V Rack Video Teleconference System					
1	AV Bridge Mini	Vaddio	999-8240-000	\$	-

Qty	Description	Manufacturer	Part/Model No.	Each Price	Total Price
1	Bracket Mounts 1/2 Rack	Vaddio	998-6000-005		\$ -
4	HD Streaming Receiver Controller	Crestron	DM-RMC-100-STR		
1	Multi-Windows Video Processor HDMI Output	Crestron	HD-WP-4K-401-C		\$ -
Courtroom Bailiff area Video Teleconference Equipment					
1	Digital Graphics Engine 100	Crestron	DGE-100		\$ -
1	Touch Monitor	Dell	P2418HT		\$ -
Miscellaneous					
6	HDMI Cable	Crestron	CBL-HD-3		\$ -
12	HDMI Cables	Crestron	CBL-HD-6		\$ -
1	HDMI Cable for TV	Crestron	CBL-HD-20		\$ -
4	USB Extenders	Liberty	DIGI-USB2		\$ -
4	USB Cables	Liberty	E-USBAB-3		\$ -
5	USB Cables	C2G	54174		\$ -
1	Plenum rated Cat 6 Cabling				\$ -
1	Speaker Cable				\$ -
3	sets of HDMI adapter rings for laptops, tablets, and Ipads				\$ -
40	Panduit Green Cat6 -7' Patch cable	Panduit	UTPSP7GRY		\$ -
20	Cat6 RJ45 data jacks	Panduit	CJ688TGBU		\$ -
20	Cat6 RJ45 data jacks	Panduit	CJ688TGWH		\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
	[Use for miscellaneous equipment not listed above]				\$ -
Courtroom Audio Judge and Court Reporter Under Counter Wall Mount Speakers					
2	Wall Mount Loudspeaker	JBL	CSS-1S/T		\$ -
LABOR					
1	INSTALLATION				\$ -
WARRANTY					
1	1 YEAR WARRANTY				\$ -
BONDS					
1	Performance and Payment Bond per Courtroom				\$ -
Total for One (1) Courtroom					\$ -
GRAND TOTAL					
23	Total for All Courtrooms				\$ -

ATTENDANCE SHEET
Pre-Proposal Meeting - March 26, 2021 at 2:00 pm
2021-158 Audio Visual Updgrade for Collin County Courthouse

Vendor	Name
GTS Technology Solutions	Kelli Petty
GTS Technology Solutions	Jeff Carroll
GTS Technology Solutions	David Wiley
E1 AV Technologies	Chris Vance
SKC Communications	Diego Gentile
Nouveau Construction	Zach Allen
Nouveau Construction	Jorge E Centeno
Nouveau Construction	Doug Viere
Projectized Solutions LLC	Errol D. Sykes
Ford Audio-Video	Joseph Trott
Lantek	Steve Wells
Data Vox	John Pomponio
CNC Pro AV	Jake Morrill
Visionality	Korbin Reeves
Videotex Systems	Gus Archer
Conference Technologies	Roy Aldaba
Collin County	Steve Abrego
Collin County	Mike Bush
Collin County	Kim Alvarado
Collin County	Hunter Alley
Collin County	Gina Zimmel

ATTENDANCE SHEET

**Pre-Proposal Meeting - March 31, 2021 at 2:00 pm
2021-158 Audio Visual Upgrade for Collin County Courthouse**

Vendor	Name
Data Projections	Matt Gallagher
Data Projections	Carl Loftin
Clark	Kyle Goyer
CCS Presentation Systems	Rob Barganier
TFE Connect	Keith Gorman
Communications Concepts	Brad Mayhall
Delcom	Logan Jones
Videotex	Gus Archer
Videotex	Jake Buck
Videotex	Rodney Hood
SKC Communications	Jack Duplichan
Collin County	Steve Abrego
Collin County	Christina Estrada
Collin County	Meagan Mason