

**ANTI-COLLUSION STATEMENT**

**TO ALL BIDDERS/OFFERORS:**

**THIS STATEMENT MUST BE EXECUTED AND RETURNED WITH BID/PROPOSAL DOCUMENTS.**

In the preparation and submission of this bid/proposal on behalf of \_\_\_\_\_ (name of vendor), we did not either directly or indirectly enter into any combination or arrangement with any person, firm or corporation, or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free competition in violation of the Sherman Anti-Trust Act, 15 USCS, Sections 1 et seq.

The undersigned vendor hereby certifies that this agreement, or any claims resulting therefrom, is not the result of, or affected by, any act of collusion with, or any act of, another person or persons, firm or corporation engaged in the same line of business or commerce; and that no person acting for, or employed by the D.C. Courts has an interest in, or is concerned with this proposal; and that no persons, firm or corporation, other than the undersigned, have or are interested in this proposal.

BY: \_\_\_\_\_

\_\_\_\_\_  
COMPANY

\_\_\_\_\_  
BUSINESS ADDRESS

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, in

\_\_\_\_\_  
City and State

\_\_\_\_\_  
Notary Public

**CERTIFICATION OF ELIGIBILITY**

PROJECT NAME: \_\_\_\_\_

\_\_\_\_\_, being duly sworn, or under penalty of perjury under the laws of the United States, certifies that, except as noted below, (the company) or any person associated there with in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of federal funds) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility under any Federal, District or State statutes; has not been suspended, debarred voluntarily excluded or determined ineligible by any Federal, District, or State agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted; or has a Civil judgment rendered against it by a Court of competent jurisdiction in any matter involving fraud or official misconduct within the past three(3) years.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date

\_\_\_\_\_  
President or Authorized Official

\_\_\_\_\_  
Title

The penalties for making false statements are prescribed in the Program Fraud Civil Remedies Act of 1986 (Public Law 99-509, 31 D.S.C. 3801-3812).

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_, in \_\_\_\_\_  
City and State

\_\_\_\_\_  
Notary Seal

\_\_\_\_\_  
Notary Public

**CERTIFICATION REGARDING A DRUG-FREE WORKPLACE**

A. Definition as used in this provision:

"Controlled substance" means a controlled substance as defined in Schedules I through V of Section 202 of the Controlled Substance Act (21 U.S.C. 812) and as further defined in the regulation at 21 CFR 1308.11 -1308.15.

"Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes.

"Drug free work place" means a site for the performance of work done in connections with a specific contract at which employees of the Contractor are prohibited from engaging in the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance.

"Employee" means an employee of a Contractor directed engaged in the performance of work under a D.C. Courts contract.

"Individual" means a bidder/offeror that has no more than one employee including the bidder/offeror.

B. By submission of its bid/offer, the bidder/offeror, if other than an individual who is making a bid/offer that equals or exceeds \$25,000.00, certifies and agrees that with respect to all employees of the bidder/offeror to be employed under a contract resulting from this solicitation will:

- (1) Publish a statement notifying such employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the Contractor's work place and specifying the actions that will be taken against employees for violation of each prohibition;
- (2) Establish a drug-free awareness program to inform such employees about:
  - (i) The dangers of drug abuse in the workplace;
  - (ii) The Contractor's policy of maintaining a drug-free workplace;
  - (iii) Any available drug counseling, rehabilitation and employee assistance programs; and
  - (iv) The penalties that maybe imposed upon employees for drug abuse violations in the workplace;
- (3) Provide all employees engaged in performance of the contract with a copy of the statement required by subparagraph(B),(1) of this provision;
- (4) Notifying such employees in the statement required by subparagraph (b), (1) of this provision, that as a condition of continued employment on the contract resulting from this solicitation, the employee will,
  - (i) Abide by the terms of the statement; and
  - (ii) Notify the employer of any criminal drug statute conviction for violation occurring in the work place no later than five (5) days after such conviction;
- (5) Notify the Contracting Officer within ten (10) days after receiving notice under subdivision (B), (4), (ii) of this provision from an employee or otherwise receiving actual notice of such conviction;
- (6) Within thirty (30) days after receiving notice under subparagraph (B),(4) of this provision of a conviction, impose the following sanctions or remedial measures on any employee who is convicted of drug abuse violations occurring in the work place:
  - (i) Take appropriate personnel action against such employee up to and including 1 termination; or
  - (ii) Require such employee to satisfactorily participate in a drug abuse assistance or

rehabilitation program approved for such purpose by a Federal, State or local health, law enforcement or other appropriate agency; and

- (7) Make a good faith effort to maintain a drug-free workplace through implementation of subparagraphs (B), (1) through (8)t (6) of this provision.
- C. By submission of its bid/offer, the bidder/offeror, if an individual, who is making a bid/offer of any dollar value, certifies and agrees that the bidder/offeror will not engage in the unlawful manufacture distribution dispensing, possession or use of a controlled substance in the performance of the contract resulting from this solicitation.
- D. Failure of the bidder/offeror to provide the certification required by paragraphs (8) or (C) of theses provisions, renders the bidder/offeror unqualified and ineligible for award.
- E. In addition to other remedies available to the D.C. Courts, the certification in paragraphs (B) and (C) of this provision 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 Title 18, United States Code, Section 1001.

Concurrence:

AUTHORIZED CONTRACTOR PERSONNEL

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**TAX CERTIFICATION AFFIDAVIT**

For all bids/offers over 100,000.00, the following affidavit is required:

\_\_\_\_\_, 20\_\_\_\_\_.

I hereby certify that:

- 1. I have complied with the applicable tax law fillings and licensing requirements of the District of Columbia.
- 2. The following information is true and correct concerning the payment of my tax liability:

State: \_\_\_\_\_  Current  Not Current  
 Unemployment Insurance  Current  Not Current

- 3. If not current, as checked in Item 2, I am in compliance with a payment agreement with the Department of Finance and Revenue  Yes  No, and/or the Department of Employment Services  Yes  No.

- 4. My tax numbers are as follows:  
 D.C. Employer Tax ID No.: \_\_\_\_\_  
 Unemployment Insurance Account No.: \_\_\_\_\_  
 D-U-N-S No.: \_\_\_\_\_

The D.C. Courts is hereby authorized to verify the above information with appropriate Government authorities. Penalty of making false statements is a fine of not more than \$1,000.00, imprisonment for not more than one (1) year or both, as prescribed in D.C. Code Sec. 22-2514. Penalty for false swearing is a fine of not more than \$2,500.00, imprisonment for not more than three (3) years, or both, as prescribed in D.C. Code Sec. 22-2513.

\_\_\_\_\_  
 Signature of Person Authorized to Sign Title  
 This Document

\_\_\_\_\_  
 Typed or Printed Name

Name of Organization \_\_\_\_\_

Notary: Subscribed and sworn before me this \_\_\_\_ day of , 20\_\_\_\_\_ at

\_\_\_\_\_  
 Month and Year at \_\_\_\_\_  
 City and State

DISTRICT OF COLUMBIA COURTS  
RELEASE OF CLAIMS

The undersigned Contractor, pursuant to the term of Contract No. \_\_\_\_\_  
between the District of Columbia Courts herein referred to as the "Courts" and  
\_\_\_\_\_ herein  
(Name of Contractor)

referred to as the "Contractor" for (type of service):  
\_\_\_\_\_  
\_\_\_\_\_

Located at:  
\_\_\_\_\_  
\_\_\_\_\_

1. The Contractor hereby certified that there is due and payable by the Courts to the Contractor under the contract and fully approved modifications the balance of:  
\$ \_\_\_\_\_

2. The Contractor further certified that in addition to the amount set forth in paragraph 1 above, there are outstanding and unsettled the following items which the Contractor claims are just and due and owing by the Courts to the Contractor:  
(a) \_\_\_\_\_  
(b) \_\_\_\_\_  
(c) \_\_\_\_\_  
(d) \_\_\_\_\_

(Itemize claims and amounts due. If none, so state)

3. The contractor further certified that all work required under this contract including work required under all modifications has been performed in accordance with, the terms there of and that there are no unpaid claims for materials, supplies, equipment, or service.

4. Except for the amounts stated in paragraph 1 and 2 above, the Contractor certifies that it has received from the Courts all sums of money pursuant to the abovementioned contract and any modifications.

1. That in consideration of the payment of the amount stated in paragraph 1 above, the Contractor does hereby release the Courts from any and all claims arising under or by virtue of this contract. Except the amount listed in paragraph 2 above, provided however, that if for any reason the Courts does not pay in full the amount stated in paragraph 1 above, said deduction shall not affect the validity of this release. But the amount so deducted shall be automatically included under paragraph 2 above, as an amount which the Contractor has not released but will release upon payment there of. The Contractor further certifies that upon receipt of the payment of the amount listed

Solicitation No.: CPFMD 17-1115

in paragraph 2 above, and any amount which may be deducted from paragraph 1 above, the Contractor will release the Courts from any and all claims arising out of the above contractor any modifications there of, and will execute such further release or assurance as the Courts may request.

In WITNESS WHEREOF, the Contractor has signed and sealed this instrument this day \_\_\_\_\_ of \_\_\_\_\_, 20

WITNESS:

CONTRACTOR:

\_\_\_\_\_(Seal)  
(Print of Type)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Official Title)

\_\_\_\_\_

**ETHICS IN PUBLIC CONTRACTING**

A. To achieve the purpose of this section, all employees and persons doing business with the Court shall be required to observe the ethical standards prescribed herein. The Executive Officer shall make available and disseminate to every person doing business with the, Court, and to every Court managerial employee with procurement responsibilities, the requirements of this section.

B. It shall be a breach of ethical standards for any employee to participate directly or indirectly in a procurement when the employee knows that the employee or any member of the employee's immediate family has a financial interest pertaining to the procurement. When a Court employee knows that he or she has an actual or potential conflict of interest, or when the Executive Officer has determined that an actual conflict of interest exists, such employee shall be disqualified from the procurement involved.

C. It shall be a breach of ethical standards for person to offer, give, or agree to give any employee or former employee, or for any employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation of any part of procurement.

D. It shall be a breach of ethical standards for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor, or higher tier subcontractor, as an inducement for the award of a subcontractor order.

E. It shall be a breach of ethical standards for any employee, former employee or any other person knowingly to use confidential information for actual or anticipated personal gain. No employee or officer of the Court shall serve on the board of directors or other governing body (whether or not compensated) of any contractor with whom the Court has a current contractual relationship if the individual's responsibilities with the Court entail the letting or management of the contract.

BY: \_\_\_\_\_

\_\_\_\_\_  
COMPANY

**NON DISCRIMINATION**

Employment discrimination by contractor is prohibited.

Every contract over \$10,000.00 shall include or incorporate by reference the following provisions:

1. During the performance of this contract, the Contractor agrees as follows:
  - a. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, or national origin, except where religion, sex, or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
  - b. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.
  - c. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
2. The Contractor will include the provisions of the foregoing paragraphs, a, b, and c in every subcontractor purchase order of over \$10,000.00, so that the provisions will be binding up on each subcontractor vendor.

BY: \_\_\_\_\_  
\_\_\_\_\_  
COMPANY

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SOLICITATION, OFFER, AND AWARD			1. Caption			Page of Pages		
			District of Columbia Court of Appeals Audiovisual Updates Project			1	30	
2. Contract Number		3. Solicitation Number		4. Type of Solicitation		5. Date Issued	6. Type of Market	
		CPFMD-17-1115		<input type="checkbox"/> Sealed Bid (IFB) <input checked="" type="checkbox"/> Sealed Proposals (RFP) <input type="checkbox"/> Sole Source <input type="checkbox"/> Emergency		11- 17-16	<input checked="" type="checkbox"/> Open - Construction, Building (General Construction, etc.) <input type="checkbox"/> Set Aside	
7. Issued By				8. Address Offer to:				
DISTRICT OF COLUMBIA COURTS CAPITAL PROJECTS FACILITIES MANAGEMENT DIVISION 616 H STREET, N.W., ROOM 622 WASHINGTON, D.C. 20001				DISTRICT OF COLUMBIA COURTS CAPITAL PROJECTS FACILITIES MANAGEMENT DIVISION 616 H STREET, N.W., ROOM 622 WASHINGTON, D.C. 20001				
NOTE: In sealed bid solicitations "offer" or "Contractor" means "bid or "offeror"								
<b>SOLICITATION</b>								
9. Sealed offers in original and <u>3</u> copies for furnishing the items in the Schedule will be submitted to the address listed above in Section 8; at the attention of Ms. Monica I. Wilkerson, not later than <u>3:00 p.m.(est.)</u> local time <u>December 20, 2016</u> (Hour) (Date)								
CAUTION: See L.4-- PROPOSAL SUBMISSION DATE AND TIME, AND LATE SUBMISSIONS, LATE MODIFICATIONS, WITHDRAWAL OR MODIFICATION OF PROPOSALS AND LATE PROPOSALS. All offers are subject to all terms & conditions contained in solicitation.								
10. For Information Contact		A. Name		B. Telephone		C. E-mail Address		
		Monica I. Wilkerson		(Area Code) (Number) (Ext)		Monica.Wilkerson@dcsc.gov		
11. Table of Contents								
(X)	Section	Description	Page No.	(X)	Section	Description	Page No.	
PART I – THE SCHEDULE				PART II – CONTRACT CLAUSES				
X	A	Solicitation/Contract Form	1	X	I	Contract Clauses	12	
X	B	Supplies or Services and Price/Cost	2	PART III – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS				
X	C	Specifications/Work Statement	3	X	J	List of Attachments & Appendices	16	
X	D	Packaging and Marking	4	PART IV – REPRESENTATIONS AND INSTRUCTIONS				
X	E	Inspection and Acceptance	5	X	K	Representations, certification and other statements of Contractors	17	
X	F	Deliveries or Performance	6					
X	G	Contract Administration Data	7	X	L	Instructions, conditions & notices to contractors	20	
X	H	Special Contract Requirements	10	X	M	Evaluation factors for award	27	
<b>Total Proposed Contract Amount (from page 2 – Price Schedule)</b>						<b>\$ _____</b>		
12. In conjunction with the above, the undersigned agrees, if this offer is accepted within <u>120</u> calendar days from the receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified herein.								
13. Discount for Prompt Payment		10 Calendar days %		20 Calendar days %		30 Calendar days %		
						____ Calendar days %		
14. Acknowledgement of Amendments (The Contractor acknowledges receipt of amendments to the SOLICITATION):			Amendment Number		Date		Amendment Number	
15A. Name and Address of Contractor			16. Name and Title of Person Authorized to Sign Offer/Contract					
15B. Telephone			<input type="checkbox"/> 15 C. Check if remittance address is different from above – Refer to section G		17. Signature		Date	
(Area Code)	(Number)	(Ext)						
<b>AWARD (TO BE COMPLETED BY THE DC COURTS)</b>								
19. Accepted as to Items Numbered			20. Amount		21. Accounting and Appropriation/Certification of Funding date:			
22. Name of Contracting Officer (Type or Print) Dr. Cheryl Bailey			23. Signature of Contracting Officer (Courts)			24. Award Date		

**BID/OFFER FORM**

**CPFMD #17-1115**

District of Columbia Court of Appeals Audiovisual Updates Project  
 Located at DC Court of Appeals  
 403 E. Street, NW  
 Washington, DC 20001

SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

District of Columbia Courts  
 Capital Projects and Facilities Management Division  
 616 H Street, NW; 6<sup>th</sup> Floor, Suite 622  
 Washington, DC20001

Attention: Mr. Monica Wilkerson

We the undersigned, having visited the site and carefully examined the conditions affecting the Work, the RFP, and all solicitation materials prepared by the DC Courts do hereby propose to construct the above referenced Project in accordance with the Solicitation package dated **November 15, 2016.**

**1. ACKNOWLEDGMENT OF AMENDMENTS**

The Bid/Offorer acknowledges receipt of Amendments to the solicitation and related documents numbered and dated as follows:

AMENDMENTNO.	DATE

**2. BASE BID/OFFER**

We propose to furnish and install the above referenced Work described in the Contract Documents, in accordance with the above described terms for the Project for the Stipulated Sum of:

Dollars (\$) \_\_\_\_\_ and as further detailed on the Offer "Pricing Summary" Sheets attached to this Offer Form and include in the solicitation.

2.1 EXTENDED WARRANTIES (SEE SECTION F, F.1.2)

- a). Term of Extended Warranties: \_\_\_\_\_ (Months)
- b). Total Cost of Extended Warranties: \_\_\_\_\_ (Dollars)  
(See Appendix A page 7, Sec 3.5.G)
- c). Provide hourly rate for additional training or operation assistance(above and beyond the 40 initial hours): \_\_\_\_\_(Dollars) (See Appendix A page 6, Sec 3.3.D)

3. TIME FOR COMPLETION OF THE WORK

We agree to commence Work within ten (10) consecutive calendar days after issuance of notice to proceed and to achieve Substantial Completion of the entire Work within \_\_\_\_\_ consecutive calendar days from such issuance date.

4. ALTERNATES

We agree that the amounts indicated below shall be added to or deducted from the Base Bid/Offer, as the case may be, for each alternate that is selected by the DC Courts as specified.

<u>ALTERNATE</u>	<u>ADD/(DEDUCT)</u>
[Insert List]	

5. UNIT PRICES

We agree that the unit prices as listed herein will apply in the event that changes involving additions to or deductions from the Work to be performed under the Contract are authorized by a written order from the DC Courts to the Contractor, in accordance with the provisions of the General Conditions, and that the unit prices are based on providing all Work complete in place in accordance with the applicable requirements of the Contract Documents, including all of the Contractor's and Subcontractors' complete costs, expenses, overhead and profit.

We understand that the DC Courts reserves the right to accept or reject any or all of the unit prices prior to the execution of the Contract.

<u>ITEM</u>	<u>UNIT</u>	<u>ADD</u>	<u>DEDUCT</u>
[Insert List]			

6. ACCEPTANCE OF PROPOSAL

We agree that this Bid/Offer may be held by the DC Courts for a period not exceeding one hundred twenty (120) calendar days from date stated for the receipt of Bid/Offers.

If written notice of the acceptance of this Bid/Offer is mailed or delivered to the undersigned within the time noted above, after the date of the opening of Bid/Offers, or at any time thereafter

before this Bid/Offer is withdrawn, the undersigned agrees that he will execute and deliver a Contract in the form specified in accordance with the Bid/Offer as accepted within 10 days (unless a longer period is allowed).

The undersigned further agrees that he will furnish a Performance Bond and Payment Bond written on the attached DC Courts bond forms, with such surety or sureties as the DC Courts may accept, within 3 days of the date of the construction Contract (unless a longer period is allowed). It is understood that the Contractor will pay for the premium for the bonds, the cost of which is included in the Base Bid/Offer.

It is understood and agreed that the DC Courts reserves the right to award the Contract to his best interests, to reject any or all Bid/Offers, to waive any informalities in soliciting, and to hold all Bid/Offers for the period noted above.

#### 7. BID/OFFER SECURITY

The Bid/Offer Bond in the amount of \$ \_\_\_\_\_ is attached hereto in accordance with the requirements of the Instructions to Bidders. A Bid Bond is required on all proposals greater than \$100,000. The percentage rate is 5%.

#### 8. PERFORMANCE BOND AND PAYMENT BOND

Within ten (10) calendar days after receipt of a notice of intent to award, the Bidder/Offeror shall furnish two bonds, each with good and sufficient surety or sureties acceptable to the Owner, furnished; namely a performance bond and a payment bond. The penal sums of such bonds will be as follows:

**Payment Bond:** The penal sum of the payment bond shall be equal to one hundred percent (100%) of the total contract price. In no event shall the amount of the payment security fall below 100% of any increase in the total contract price.

**Performance Bond:** The penal sum of the performance bond shall be in an amount of not less than one hundred percent (100%) of the total amount of the contract price. When a contract price is increased, the performance bond shall be equal to 100% of the increase in the contract price.

Attached hereto is a certificate from a recognized surety stating that we can be bonded in accordance with the requirements of the Contract Documents to cover the faithful performance of the Contract and the payment of all obligations arising there under in the full amount of the Contract Sum and further stating that the bonds shall be written on the attached Performance Bond and Payment Bonds.

We have included \$ \_\_\_\_\_ in the Base Bid/Offer for the cost of the premium of the Performance Bond and Payment Bond.

#### 9. BUY AMERICAN CERTIFICATION

The Bidder/Offeror hereby certifies that each end product, except the end products listed below, is a domestic end product (as defined in General Conditions of the Contract for Construction), and that components of unknown origin are considered to have been mined, produced, or manufactured outside the United States.

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EXCLUDED END PRODUCTS

COUNTRY OF ORIGIN

#### 10. OFFICERS NOT TO BENEFIT CERTIFICATION

Each Bidder/Offeror shall check one of the following:

- (a) No person listed in Article 21 of the General Conditions of the Contract for Construction will benefit from this contract
- (b) The following person(s) listed in General Conditions of the Contract for Construction may benefit from this contract. For each person listed, attach the written documentation required by the General Conditions of the Contract for Construction.

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#### 11. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

- (a) Each signature on the Bid/Offer is considered to be a certification by the signatory that:
1. The prices in this Bid/Offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any Bidder/Offeror or competitor relating to the following:
    - i. Those prices,
    - ii. The intention to submit an Bid/Offer, or
    - iii. The methods or factors used to calculate the prices in this Bid/Offer;
  2. The prices in this Bid/Offer have not been and will not be knowingly disclosed by the Bidder/Offeror, directly or indirectly, to any other Bidder/Offeror or competitor before Bid/Offer opening unless otherwise required by law; and
  3. No attempt has been made or will be made by the Bidder/Offeror to induce any other concern to submit or not to submit a Bid/Offer for the purpose of restricting competition.
- (b) Each signature on the Bid/Offer is considered to be a certification by the signatory that the signatory;
1. Is the person in the Bidder/Offeror's organization responsible for determining the prices being offered in this Bid/Offer, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above; or

2. As follows:

- i. Has been authorized, in writing, to act as agent for the following principles in certifying that those principals have not participated, and Will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above:

\_\_\_\_\_ (Insert full name or person(s) in the organization responsible for determining the prices offered in this Bid/Offer and the title of his or her position in the Bidder/Offeror's organization)

- ii. As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and
- iii. As an agent, has not participated, and will not participate, in any action contrary to subparagraphs (a) (1) through (a) (3) above.

(c) If Bidder/Offeror deleted or modified subparagraph (a) (2) above, the Bidder/Offeror must furnish with its Bid/Offer a signed statement setting forth in detail the circumstances of the disclosure.

12. PAYMENT IDENTIFICATION NUMBER

The DC Courts utilizes an automated vendor database. All firms are required to submit their Federal Tax Identification Number. Individuals must submit their social security numbers.

Federal Tax Identification Number: \_\_\_\_\_

Or

Social Security Number: \_\_\_\_\_

Legal Name of Entity Assigned this Number: \_\_\_\_\_

Street Address and/or Mailing Address: \_\_\_\_\_

City, State, and Zip Code: \_\_\_\_\_

Type of Business: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

**PAYMENTS UNDER TERMS OF ANY CONTRACT RESULTING FROM THIS SOLICITATION WILL BE HELD IN ABEYANCE PENDING RECEIPT OF A VALID FEDERAL TAX IDENTIFICATION NUMBER OR SOCIAL SECURITY NUMBER.**

13. SIGNATURE OF BIDDER/OFFEROR

Bidder/Offeror: \_\_\_\_\_  
(Firm Name)

By: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
(Business Address)

State of Incorporation: \_\_\_\_\_

Names and Addresses of Officers:

President: \_\_\_\_\_

\_\_\_\_\_  
(Business Address)

Secretary: \_\_\_\_\_

\_\_\_\_\_  
(Business Address)

Treasurer: \_\_\_\_\_

\_\_\_\_\_  
(Business Address)

Date: \_\_\_\_\_

END OF DOCUMENT

DC Courts Request for Financial Proposal  
 Audiovisual Updates Project

Attachment J.13  
 Number : CPFMD-17-1115  
 November 17, 2016

FIRM NAME \_\_\_\_\_

PRICING SUMMARY SHEET

System Type:	Equipment Cost	Installation Cost	Total Installed Cost
Ceremonial Courtroom 004	0.00	0.00	0.00
Multipurpose Room 009	0.00	0.00	0.00
Conference Room 011	0.00	0.00	0.00
Gym 018	0.00	0.00	0.00
Conference Room 122	0.00	0.00	0.00
Conference Room 123A	0.00	0.00	0.00
Conference Room 126	0.00	0.00	0.00
Courtroom 1 (215A)	0.00	0.00	0.00
Conference Room 224	0.00	0.00	0.00
Conference Room 315	0.00	0.00	0.00
Chief Judge's Study 319	0.00	0.00	0.00
Central Video Recording System	0.00	0.00	0.00
Portable Equipment for Events	0.00	0.00	0.00

<b>GRAND TOTAL</b>	\$0.00	\$0.00	\$0.00
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FIRM NAME \_\_\_\_\_

**Ceremonial Courtroom 004**

<b>Video Equipment:</b>		<b>Unit Cost</b>	<b>Extension</b>
1	8000 Lumen, XGA Resolution, Video Projector	NEC NP-PZ800X2	0.00
1	4.43 - 8.3 : 1 Lens for Above	NEC NP10ZL	0.00
2	Replacement Lamp for Above	NEC NP22LP	0.00
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Ailona AT-UHD-CLSO-824	0.00
3	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Ailona AT-HDVS-150-TX	0.00
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Ailona AT-UHD-EX-100CE-RX	0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG	0.00
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K	0.00
1	HDMI to HDSDI Scaler	Roland VC-1-HS	0.00

**Audio Equipment:**

1	Existing Conference Mic Control Unit	Existing Bosch DCN-CCU-UL	0.00
1	Existing Wireless Microphone	Existing Shure ULX	0.00
2	Existing Column Speakers	Existing EAW DSA-250	0.00
2	Existing Ceiling Speaker in Robing Rooms	Existing Tannoy CMS-601DC	0.00
1	Existing Power Amplifier	Existing Crown D70A	0.00
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102	0.00
1	Existing FM Assistive Listening System Transmitter	Listen Tech LS-800-082	0.00

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 4X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64510-001)	0.00
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**Control System Equipment:**

2	Wired Touch Panel	Creston TSW-752	0.00
2	Existing Robing Room Volume Control	Existing Creston APAD	0.00
1	Control System Central Processor	Creston CP3	0.00
1	10 Port, 1 GB Lan Switch	Cisco SG300-10	0.00

FIRM NAME \_\_\_\_\_

Ceremonial Courtroom 004

**Video Equipment:**

**Unit Cost      Extension**

**Equipment Racks / Misc. :**

1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515		0.00
1	2 RU Shelf	Middle Atlantic U2		0.00
1	New Table Box for Lectern	Extron HSA300		0.00

Total Equipment Cost:	\$0.00
Installation Costs:	
Total Equipment Installed Costs	\$0.00

FIRM NAME \_\_\_\_\_

Multipurpose Room 009

**Video Equipment:**

				Unit Cost	Extension
1	85" LED / LCD TV, 4K UHD Display		Samsung UN85JU7100FXZA		0.00
1	Tilting, Low-Profile Wall Mount for Above		Premier Mounts P5080T		0.00
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs		Atlona AT-UHD-CLSO-824		0.00
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter		Atlona AT-HDVS-150-TX		0.00
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate		Atlona AT-HDVS-150-TX-WP		0.00
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control		Atlona AT-UHD-EX-100CE-RX		0.00
1	Wireless Presentation Device		Arrive Systems AAP-1101-BYMG		0.00
1	4K UHD IP and CATV Tuner		Aurora Multimedia VTUNE Pro 4K		0.00
1	HDMI to H.264 Encoder		Data Video NVS-25		0.00

**Audio Equipment:**

1	Ceiling Mounted DSP Microphone Array w/ Dante Output		Shure MXA-910		0.00
2	Wireless Microphone Receiver with Backpack and Handheld Transmitters		Shure SLX124/85/SM58		0.00
2	Lavalier Microphone for Above		Countryman WCB6B		0.00
1	4 Output Antenna Distribution System for Above		Shure UA844SWB		0.00
1	Audio Digital Signal Processor with 12 AEC and 8 Outputs		BSS Blu-101		0.00
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface		BSS Blu-102		0.00
1	Dante Interface for Above		BSS BLU-DAN		0.00
2	Low-Profile, On-Wall Column Speaker		Definitive Technology Mythos XTR-50		0.00
6	Existing Ceiling Speaker		Tannoy CMS-601DC		0.00
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above		Ashly Audio TRA-4150		0.00
1	Existing FM Assistive Listening System Transmitter		Listen Tech LS-800-082		0.00
1	Wall Plate Microphone Input		RDL DB-XLR3F		0.00

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract		Polycom Group 700 (7200-6270-001)		0.00
1	Secondary 12X Zoom Camera for Above		Polycom 8200-44350-001		0.00
2	VTC Camera Extender Kit		Sound Control Technologies RC4-E4P		0.00
1	Wall Mount Arm for Rear Camera		Vaddio 535-2100-202		0.00

FIRM NAME \_\_\_\_\_

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902	0.00
1	Wall Docking Station for Above	Crestron TST-902-DSW	0.00
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE	0.00
1	Control System Central Processor	Crestron CP3	0.00
1	10 Port, 1 GB Lan Switch	Cisco SG300-10	0.00

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425	0.00
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515	0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U	0.00
1	2 RU Shelf	Middle Atlantic U2	0.00
1	2 RU Drawer	Middle Atlantic UD2	0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00

FIRM NAME \_\_\_\_\_

Conference Room 011

**Video Equipment:**

			Unit Cost	Extension
2	75" LED / LCD TV, 4K UHD Display	Samsung UN75JU7100FXZA		0.00
2	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	6X6, 4K / UHD Video Matrix Switcher with (6) HDMI Inputs, (6) HD-Base-T Outputs and (2) HDMI Outputs	Atlona AT-UHD-Pro3-66M		0.00
2	3 Input HDMI to HD-Base-T Transmitter	Atlona AT-HDVS-150-TX		0.00
2	3 Input HDMI to HD-Base-T Receiver for Above	Atlona AT-HDVS-150-RX		0.00
2	HD-Base-T to HDMI Receiver	Atlona AT-UHD-EX-100CE-RX-PSE		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K		0.00
1	HDMI to H.264 Encoder	Data Video NVS-25		0.00

**Audio Equipment:**

1	Ceiling Mounted DSP Microphone Array w/ Dante Output	Shure MXA-910		0.00
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102		0.00
1	(8) Channel Input Expander for Above	BSS BLU-BIB		0.00
1	Dante Interface for Above	BSS BLU-DAN		0.00
2	Low-Profile, On-Wall Column Speaker	Definitive Technology Mythos XTR-50		0.00
4	Existing Ceiling Speaker	Tannoy CMS-601DC		0.00
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above	Ashly Audio TRA-4150		0.00
1	Existing FM Assistive Listening System Transmitter	Listen Tech LS-800-082		0.00

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 700 (7200-6270-001)		0.00
1	Secondary 12X Zoom Camera for Above	Polycom 8200-44350-001		0.00
2	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P		0.00

FIRM NAME \_\_\_\_\_

Conference Room 011

**Video Equipment:**

**Unit Cost      Extension**

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestion TST-902	0.00
1	Wall Docking Station for Above	Crestion TST-902-DSW	0.00
1	RF Wireless Interface for Above	Crestion CEN-ERFGW-POE-PWE	0.00
1	Control System Central Processor	Crestion CP3	0.00
1	10 Port, 1 GB Lan Switch	Cisco SG300-10	0.00

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425	0.00
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515	0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U	0.00
1	2 RU Shelf	Middle Atlantic U2	0.00
1	2 RU Drawer	Middle Atlantic UD2	0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
<b>Total Equipment Installed Costs</b>	<b>\$0.00</b>

FIRM NAME \_\_\_\_\_

**Gym 018**

**Video Equipment:**

			Unit Cost	Extension
1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		0.00
1	Swing Out Mount for Above	Premier Mounts AM100		0.00
1	Blu-Ray Player	Samsung BD-J5100		0.00
1	Wall Plate with HDMI and 1/8" Audio Inputs	Extron WPD-110A		0.00

**Audio Equipment:**

1	Mixer / Amplifier	Atlas Sound AA50PHD		0.00
1	Source Selection and Volume Control Wall Plate for Above	Atlas Sound WPD-RISRL		0.00
3	Existing Ceiling Speaker	Tannoy CMS-601DC		0.00

**Equipment Racks / Misc. :**

1	Dual Wall Shelf for Blu Ray and Mixer / Amp	Peerless ESHV30-S1		0.00
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Total Equipment Cost:		\$0.00
Installation Costs:		\$0.00
Total Equipment Installed Costs		\$0.00

FIRM NAME \_\_\_\_\_

Conference Room 122

**Video Equipment:**

			Unit Cost	Extension
1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		0.00
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824		0.00
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX		0.00
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atlona AT-HDVS-150-TX-WP		0.00
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K		0.00

**Audio and Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)		0.00
1	SIP / VOIP Speakerphone, Integrates with VTC System Above for Audio, Control, and Speakerphone Functions	Polycom IP7000 (2230-40300-001)		0.00
1	Pair of Extension Microphones for Above	Polycom (2200-40040-001)		0.00
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P		0.00

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Creston TST-902		0.00
1	RF Wireless Interface for Above	Creston CEN-ERFGW-POE-PWE		0.00
1	Control System Central Processor	Creston CP3		0.00

FIRM NAME \_\_\_\_\_

Conference Room 122

**Video Equipment:**

**Equipment Racks / Misc. :**

			Unit Cost	Extension
1	Single Bay Equipment Rack Cabinet Frame	Middle Atlantic C5F1 Seies		0.00
1	Wood Finish Kit for Above, Traditional Style, Aged Cherry Finish	Middle Atlantic C5K1-TSD-AG		0.00
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520		0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U		0.00
1	2 RU Shelf	Middle Atlantic U2		0.00
1	2 RU Drawer	Middle Atlantic UD2		0.00
Total Equipment Cost:				\$0.00
Installation Costs:				\$0.00
Total Equipment Installed Costs				\$0.00

FIRM NAME \_\_\_\_\_

Conference Room 123A

**Video Equipment:**

			Unit Cost	Extension
1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		0.00
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	HDMI to HD-Base-T Transmitter and Receiver	Atlona AT-UHD-EX-100CE-Kit		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	Custom AV Wall Plate	Custom - See Drawings		0.00

**Audio Conferencing Equipment:**

1	SIP / VOIP Speakerphone	Polycom IP7000 (2230-40300-001)		0.00
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Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00

FIRM NAME \_\_\_\_\_

Conference Room 126

**Video Equipment:**

			Unit Cost	Extension
1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		0.00
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	HDMI to HD-Base-T Transmitter and Receiver	Atlona AT-UHD-EX-100CE-Kit		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	Custom AV Wall Plate	Custom - See Drawings		0.00

**Audio Conferencing Equipment:**

1	SIP / VOIP Speakerphone	Polycom IP7000 (2230-40300-001)		0.00
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Total Equipment Cost:		\$0.00
Installation Costs:		\$0.00
Total Equipment Installed Costs		\$0.00

FIRM NAME \_\_\_\_\_

**Courtroom 1 (215A)**

**Video Equipment:**

			Unit Cost	Extension
3	20X Zoom, HD (1080P / 60 Hz) Pan, Tilt and Zoom Camera with Camera Control Unit	Vaddio ClearView HD-20SE QCCU (999-6987-000)		0.00
1	12X Zoom, Wide-Angle, Compact, HD (1080P / 60 Hz) Pan, Tilt and Zoom Camera with Camera Control Unit	Vaddio Roboshot 12 QCCU (999-9907-000)		0.00
1	Quad 3G SDI Video to ST Fiber Transmitter	AJA FiDO-4T-ST		0.00
1	Quad ST Fiber to 3G SDI Video Receiver	AJA FiDO-4R-ST		0.00
1	Custom Shelf / Clamp for Bench Camera	Custom - See Drawing AV.07		0.00
1	Custom Wood Shelf for Rear Cameras, Painted to Match Wall	Custom - See Drawing AV.07		0.00

Total Equipment Cost:	0.00
Installation Costs:	0.00
Total Equipment Installed Costs	0.00

FIRM NAME \_\_\_\_\_

Conference Room 224

**Video Equipment:**

			Unit Cost	Extension
2	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		0.00
2	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	6X6, 4K / UHD Video Matrix Switcher with (6) HDMI Inputs, (6) HD-Base-T Outputs and (2) HDMI Outputs	Atlona AT-UHD-Pro3-66M		0.00
2	3 Input HDMI to HD-Base-T Transmitter	Atlona AT-HDVS-150-TX		0.00
2	3 Input HDMI to HD-Base-T Receiver for Above	Atlona AT-HDVS-150-RX		0.00
2	HD-Base-T to HDMI Receiver	Atlona AT-UHD-EX-100CE-RX-PSE		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K		0.00

**Audio Equipment:**

2	Wired Boundary / Table Microphone w/ LED, Three Element	Shure MX396/C-TRI		0.00
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102		0.00
1	Low-Profile, On-Wall Left, Center, Right Speaker	Definitive Technology Mythos XTR-SSA3		0.00
1	Four Channel, 150 W @ 4 Ohm, Amplifier for Above	Ashly Audio SRA-4150		0.00

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 4X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64510-001)		0.00
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P		0.00

FIRM NAME \_\_\_\_\_

Conference Room 224

**Video Equipment:**

**Unit Cost      Extension**

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902			0.00
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE			0.00
1	Control System Central Processor	Crestron CP3			0.00
1	10 Port, 1 GB Lan Switch	Cisco SG300-10			0.00

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425			0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U			0.00
1	2 RU Shelf	Middle Atlantic U2			0.00
1	2 RU Drawer	Middle Atlantic UD2			0.00

Total Equipment Cost:		\$0.00
Installation Costs:		\$0.00
Total Equipment Installed Costs		\$0.00

FIRM NAME \_\_\_\_\_

Conference Room 315

Unit Cost      Extension

**Video Equipment:**

			Unit Cost	Extension
1	85" LED / LCD TV, 4K UHD Display	Samsung UN85JU7100FXZA		0.00
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		0.00
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Ationa AT-UHD-CLSO-824		0.00
2	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Ationa AT-HDVS-150-TX		0.00
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Ationa AT-HDVS-150-TX-WP		0.00
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Ationa AT-UHD-EX-100CE-RX		0.00
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		0.00
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K		0.00
1	HDMI to H.264 Encoder	Data Video NVS-25		0.00

**Audio Equipment:**

3	Table Microphone w/ Dante Interface	Shure MXA-310		0.00
1	Audio Digital Signal Processor with 12 AEC and 8 Outputs	BSS Blu-101		0.00
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102		0.00
1	Dante Interface for Above	BSS BLU-DAN		0.00
2	Low-Profile, On-Wall Column Speaker	Definitive Technology Mythos XTR-50		0.00
2	Existing Ceiling Speaker	Tannoy CMS-601DC		0.00
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above	Ashly Audio TRA-4150		0.00

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)		0.00
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P		0.00

FIRM NAME \_\_\_\_\_

Conference Room 315

**Video Equipment:**

Unit Cost                      Extension

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Creston TST-902		0.00
1	Wall Docking Station for Above	Creston TST-902-DSW		0.00
1	RF Wireless Interface for Above	Creston CEN-ERFGW-POE-PWE		0.00
1	Control System Central Processor	Creston CP3		0.00
1	10 Port, 1 GB Lan Switch	Cisco SG300-10		0.00

**Equipment Racks / Misc. :**

1	Custom Single Bay AV Rack Cabinet - to Match Existing Furniture Style and Wood Stain	DWI Enterprises Quote #5382		0.00
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515		0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U		0.00
1	2 RU Shelf	Middle Atlantic U2		0.00
1	2 RU Drawer	Middle Atlantic UD2		0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00

FIRM NAME \_\_\_\_\_

Chief Judge's Study 319

**Video Equipment:**

			Unit Cost	Extension
1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA		
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T		
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824		
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX		
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atlona AT-HDVS-150-TX-WP		
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX		
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG		
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K		

**Audio and Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)		
1	SIP / VOIP Speakerphone, Integrates with VTC System Above for Audio, Control, and Speakerphone Functions	Polycom IP7000 (2230-40300-001)		
1	Pair of Extension Microphones for Above	Polycom (2200-40040-001)		
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P		

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Creston TST-902		
1	RF Wireless Interface for Above	Creston CEN-ERFGW-POE-PWE		
1	Control System Central Processor	Creston CP3		

FIRM NAME \_\_\_\_\_

Chief Judge's Study 319

**Video Equipment:**

**Unit Cost                      Extension**

**Equipment Racks / Misc. :**

1	Custom Dual Bay AV Rack Cabinet - to Match Existing Furniture Style and Wood Stain	DWI Enterprises Quote #5382			0.00
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520			0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U			0.00
1	2 RU Shelf	Middle Atlantic U2			0.00
1	2 RU Drawer	Middle Atlantic UD2			0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00

FIRM NAME \_\_\_\_\_

Central Video Recording System

**Video Equipment:**

			Unit Cost	Extension
1	Joystick Camera Controller for Above	Vaddio Production View Precision (999-5700-000)		0.00
1	6 Input Production Video Switcher	Datavideo SE-2200		0.00
1	Hard Disc Video Recorder, Rack Mount	AJA Ki Pro Rack		0.00
2	1 TB Memory Module for Above	AJA KISTOR1TBUDB0R0		0.00
1	Existing 25" Broadcast LCD Monitor (1080P) with 3G SDI Input	Existing Panasonic BT-LH2550		
1	HDMI to H.264 Encoder	Data Video NVS-25		0.00
1	(4) Channel Hard Disc Video Recorder with Editing Software	Future Video Studio 4 SDI (FVS-403)		0.00
1	16 Window to 4K Video Multiviewer Processor	Black Magic Design Multiview 16		0.00
1	HDSDI to HDMI Converter	Roland VC-1-SH		0.00
1	12 X 12 SDI Video Matrix Switcher with Re-Synchronizer on Each Input	Black Magic Design Smart Videohub CleanSwitch 12X12		0.00
1	Existing HDSDI CATV Modulator	Existing Contemporary Research QMOD-SDI		0.00
1	55" LED / LCD TV, 4K UHD Display for Use with Multiviewer	Samsung UN55JU7100FXZA		0.00
1	Floor Stand for Above	Premier Mounts TS72B-MS2		0.00

**Audio Equipment:**

1	Digital Audio Mixer with (8) Inputs	QSC Touchmix 8		0.00
2	Existing Monitor Speaker	Tannoy 601A		0.00

**Equipment Racks / Misc. :**

1	60" Desk with Rack Bridge and Side Bay Rack	Middle Atlantic ESUR+S12D-**		0.00
1	Keyboard Tray for Above	Middle Atlantic MD-KB		0.00
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520		0.00
1	100 VA Rack Mount UPS	APC SMT1000RM2U		0.00
1	2 RU Shelf	Middle Atlantic U2		0.00
1	2 X 1 USB Switch for Above	Pluggable Technologies USB3-Switch2		0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00



FIRM NAME \_\_\_\_\_

Portable Equipment for Events

**Audio Equipment:**

			Unit Cost	Extension
2	Wireless Microphone Receiver with Backpack and Handheld Transmitters	Shure SLX124/85/SM58		0.00
2	Lavalier Microphone for Above	Countryman WCB6B		0.00
6	Portable 6" PA Speaker with Rotatable Horn	Martin Audio DD6		0.00
6	Yoke Mount for Above	Martin Audio ASF20035		0.00
6	Stand Adapter for Above	Martin Audio HAM02041		0.00
6	Speaker Stand for Above	K&M 21450		0.00
8	50' Speaker Cable for Above	Whirlwind NL4-050		0.00
4	25' Speaker Cable for Above	Whirlwind NL4-025		0.00
1	12 Input Audio Mixer with Ipad Control	Soundcraft Ui16		0.00
1	Two Channel, 90 W @ 4 Ohm, Amplifier for Above	QSC PLX1804		0.00

**Equipment Racks / Misc. :**

1	12 RU Portable Equipment Rack with Casters	Gator G-Tour-12U		0.00
1	15 Amp Rack Mount Power Sequencer	Juice Goose SQ1500		0.00
1	2 RU Rack Drawer w/ Foam Insert	Gator GRW-DRWDF-2		0.00
1	1 RU Brush Grommet Panel	Middle Atlantic BR1		0.00
1	Equipment Trunk with Casters for Portable Equipment	Gator Cases G-Tour-TRK-3022HS		0.00

Total Equipment Cost:	\$0.00
Installation Costs:	\$0.00
Total Equipment Installed Costs	\$0.00





**BID/OFFER BOND FORM**  
**Audiovisual Updates Project**



CPFMD-17-1115

**DISTRICT OF COLUMBIA COURTS**

<b>BID/OFFER BOND</b> (See Instructions on 2 <sup>nd</sup> page)		<b>Date Bond Executed:</b> (Must Not be Later Than Bid/Offer Opening Date)				
<b>PRINCIPAL (Legal Name and Address)</b>		<b>TYPE OF ORGANIZATION ("X")</b>				
		<input type="checkbox"/> INDIVIDUAL		<input type="checkbox"/> PARTNERSHIP		
		<input type="checkbox"/> JOINT VENTURE		<input type="checkbox"/> CORPORATION		
		<b>STATE OF INCORPORATION</b>				
<b>SURETY(IES) (Name(s) and Address(es))</b>		<b>PENAL SUM OF BOND</b>				
		<b>AMOUNT NOT TO EXCEED</b>				<b>5% OF BID/ OFFER</b>
		MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS	
		<b>BID/OFFER IDENTIFICATION</b>				
		<b>BID/OFFER OPENING DATE</b>		<b>INVITATION NO.</b>  <b>CPFMD-17-1115</b>		
<p>KNOW ALL MEN BY THESE PRESENTS, that we, the Principal and Surety(ies) hereto are firmly bound to the District of Columbia Courts, hereinafter called "the Courts", in the above penal sum for the payment of which we bind ourselves, our heirs, executors, and successors, jointly and severally; Provided that, where the Surety(ies) are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly" and "severally" only for the purpose of allowing a joint action against any or all of us, and for all other purposes each Surety bonds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.</p> <p>THE CONDITION OF THIS OBLIGATION IS SUCH, which whereas the Principal has submitted the Bid/Offer identified above. NOW THEREFORE, if the Principal shall not withdraw said Bid/Offer within the period specified therein after the receipt of the same, or, no period be specified, within ninety (90) calendar days after said receipt, and shall within the period specified therefore, or, if no period be specified, within ten (10) calendar days after being called upon to do so, furnish Performance &amp; Payment Bonds with good and sufficient surety, as may be required, for the faithful performance and proper fulfillment of the Contract, and for the protection of all persons supplying labor and material in the prosecution of the work provided for in such Contract or, in the event of withdrawal of said Bid/Offer, within the period specified, or the failure to furnish such bond within the time specified, if the Principal shall pay the District the difference between the amount specified in said Bid/Offer and the amount for which the District may procure the required work and/or supplies, if the latter amount be in excess of the former, then the above obligations shall be void and of no effect, otherwise to remain in full force and virtue. Each Surety executing this bond hereby agrees that its obligation shall not be impaired by extension(s) of time for acceptance of the Bid/Offer that the Principal may grant to the Court, notice of which extension(s) to Surety(ies) being hereby waived: Provided that such waiver of notice shall apply only with respect to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the Bid/Offer.</p> <p>IN WITNESS WHEREOF, the Principal and Surety(ies) have executed this Bid/Offer bond and have affixed their seals on the date set forth above.</p>						
<b>PRINCIPAL</b>						
<b>1. SIGNATURE</b>		<b>1. ATTEST</b>		<b>Corporate Seal</b>		
Seal						
Name & Title (typed)		Name & Title (typed)				
<b>2. SIGNATURE</b>		<b>2. ATTEST</b>		<b>Corporate Seal</b>		
Seal						
Name & Title (typed)		Name & Title (typed)				

Audiovisual Updates Project

CPFMD-17-1115

DISTRICT OF COLUMBIA COURTS

CERTIFICATE AS TO CORPORATION

I, \_\_\_\_\_, certify that I am \_\_\_\_\_, Secretary of the Corporation, named as Principal herein, that \_\_\_\_\_, who signed this bond, on behalf of the Principal, was then of said Corporation; that I know his signature, and his signature thereto is genuine; that said bond was duly signed and sealed for and in behalf of said Corporation by authority of its governing body, and is within the scope of its corporate powers.

\_\_\_\_\_  
Secretary of Corporation

**SURETY (IES)**

1. Name & Address (typed)	State of Inc.	Liability Limit	Corporate Seal
Signature of Attorney-in-Fact	Attest (Signature)		
Name & Address (typed)	Name & Address (typed)		
1. Name & Address (typed)	State of Inc.	Liability Limit	Corporate Seal
Signature of Attorney-in-Fact	Attest (Signature)		
Name & Address (typed)	Name & Address (typed)		

**STRUCTIONS**

1. This form shall be used whenever a Bid/Offer guaranty is required in connection with construction, alteration and repair work.
2. Corporations name should appear exactly as it does on Corporate Seal and inserted in the space designated "Principal" on the face of this form. If practicable, bond should be signed by the President or Vice President; if signed by other official, evidence of authority must be furnished. Such evidence should be in the form of an Extract or Minutes of a Meeting of the Board of Directors, or Extract of Bylaws, certified by the Corporate Secretary, or Assistant Secretary and Corporate Seal affixed thereto. CERTIFICATE AS TO CORPORATION must be executed by Corporate Secretary, or Assistant Secretary.
3. Corporations executing the bond as sureties must be among those appearing on the U. S. Treasury Department's List of approved sureties and must be acting within the limitations set forth therein, and shall be licensed by the Insurance Administration, Department of Consumer and Regulatory Affairs, to do business in the District of Columbia. The surety shall attach hereto an adequate Power-Of-Attorney for each representative signing the bond.
4. Corporations executing the bond shall affix their Corporate Seals. Individuals shall sign full first name, middle initial and last name opposite the word "seal", two witnesses must be supplied, and their addresses, under the word "attest". If executed in Maine or New Hampshire, an adhesive seal shall be affixed.
5. Names of all partners must be set out in body of bond form, with the recital that they are partners composing a firm, naming it, and all members of the firm shall execute the bond as individuals. Each signature must be witnessed by two persons and addresses supplied.

## **Appendix A - AUDIOVISUAL EQUIPMENT SPECIFICATION**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. See associated bid instructions and bid scoring criteria provided by DC Courts.
- B. Audiovisual Drawings AV.00 – AV.24 dated November 1, 2016.
- C. Attachment B - Audiovisual Systems Description dated November 1, 2016
- D. Attachment C- Audiovisual Systems Equipment List dated November 1, 2016
- E. Attachment D – Sample Touch Panel Guide from Courtroom C-10 Project.

#### **1.2 SUMMARY**

A. Bid Submittal Includes: All labor, materials, tools, transportation services, supervision, coordination, etc., necessary to provide and install a fully functional audiovisual system, as described in this specification and on the associated contract drawings. The system includes, but is not limited to the following:

- 1. Audio equipment: Speakers, amplifiers, signal processing equipment, and source equipment.
- 2. Video Equipment: Flat panel displays, video conferencing equipment, video cameras, signal processing equipment, signal distribution equipment, and source equipment.
- 3. Custom AV rack credenza cabinets for Conference Room 315 and Chief Judge's Study 319.
- 4. Custom millwork camera shelf for Courtroom 1 (Room 215A).
- 5. Remote Control Equipment: Touch panel control systems and programming. The uncompiled control system code and touch panel pages are to be property of DC Courts upon completion of the project.
- 6. Cables, connectors, plates, and wiring.
- 7. Mounts, rigging, and required hardware for above items such as all-thread, unistrut, chains, and cables.

B. Audiovisual schematics provided with the contract drawings are intended to represent design intent only and are not to be considered actual wiring details.

C. The contractor will remove all existing AV equipment which is not to be reused in a neat and professional manner. The equipment will be placed in a location to be determined by the Courts for reuse or disposal by the Courts.

D. Existing power outlets and low voltage conduit are to be reused. The contractor is not responsible for any drywall patching required due to removal of existing AV devices.

#### **1.3 SUBMITTALS**

A. Bid Submission: Submit a complete and accurate listing of all equipment to be used in assembling the system(s). Clearly identify equipment not listed in the Specification (either substitute equipment or additional equipment required to meet the design intent).

B. Separate the cost for the specified systems into a minimum of the following categories:

- 1. Itemized cost of equipment and associated installation.

2. Itemized cost of any optional equipment (cost shall be valid for a period of 60 days from the date of bid acceptance).
3. Itemized cost of any optional equipment installation (cost shall be valid for a period of 60 days from the date of bid acceptance).
4. Cost of an extended warranty. Refer to Section 3.5.

C. Shop & Field Drawings: Submit the following for approval before actual purchase, assembly, or installation of equipment:

1. AV Equipment Data Sheets
2. Schematic drawings of any custom circuitry or proposed system modifications.
3. Block diagrams indicating the proposed interconnection of all equipment to be furnished.
4. Shop drawings for the custom AV credenzas in Conference Room 315 and Chief Judge's Study 319. Wood finish samples will be provided to the AV Contractor to match the existing furniture in each space.
5. Shop drawings for the custom painted wood camera shelf shown on drawing AV.07 for Courtroom 1 (Room 215A).
6. Shop drawings for the custom camera mount shown on drawings AV.07 for Courtroom 1 (Room 215A).
7. Actual equipment rack layouts.
8. Shop drawings for custom fabricated plates or panels. Drawings shall include locations and types of connectors, engraving information, as well as plate material and color.
9. Touch Panel Design and Programming Submittals:
  - a. A minimum of (60) days prior to completion of the installation, the contractor shall provide a touch panel guide for approval. The touch panel guide shall include each proposed touch panel page, directions for operation of the AV system, and description of the operation of each touch panel button. Please see Attachment D for a sample of the expected information to be provided.
  - b. Touch panels will be based on existing Court standards which will be provided to the successful bidder.
  - c. The AV contractor shall provide updated touch panel layouts for review and comment at each of (2) subsequent meetings.
10. Other information as appropriate or as required in other sections of this Specification.
11. MBP will provide a maximum submittal review time of seven (7) business days after receipt by MBP of the submittals.

D. As-Built Drawings: Submit "as-built" versions of all shop & field drawings for approval prior to final acceptance testing. Include cable numbers for all equipment interconnection drawings. See Section 3.

#### 1.4 QUALITY ASSURANCE

##### A. Contractor Qualifications:

1. The Contractor shall be licensed in the District of Columbia to perform the work specified in this Specification.
2. The Contractor shall provide to the owner's representative five (5) references with contact names and valid telephone numbers regarding similar installation projects successfully completed within the last three (3) years. These projects should ideally be justice, law enforcement, or other secure facilities. Experience with custom millwork should be noted.
3. The Contractor shall provide to the owner's representative two (2) references with contact

names and valid telephone numbers for live event AV production services successfully completed within the last three (3) years. These projects should ideally be justice, law enforcement, or other secure facilities.

4. The Contractor shall be capable of providing manufacturer-specified installation, programming, training, maintenance and repair for all equipment provided.
5. The Contractor will be responsible for any required low voltage permits.
6. The Contractor shall provide (3) sample touch panel user guides (inclusive of all pages for each project) from (3) previous projects.
7. The Contractor shall provide a list of available rental AV equipment for use during the warranty period as needed.

## PART 2 - PRODUCTS

### 2.1 SUBSTITUTIONS

A. Specifications and drawings indicate audiovisual equipment based on specific products indicated. Other manufacturer's equipment with equal size and performance characteristics may be considered. Refer to the attached equipment list.

B. The Crestron control systems and Polycom VTC equipment are Court System standards and substitutions will not be considered for this equipment.

C. Submit substitution requests for any equipment not listed above during the bid submission phase of the project with manufacturer data sheets indicating the appropriate performance specifications of the equipment. Submit all requests to the Courts a minimum of five days prior to the bid due date.

D. Miller, Beam & Paganelli, prior to approval, may require evaluation of substitute equipment. The Contractor shall be responsible for the costs of any required evaluation and testing.

E. Any use of substitute equipment shall be at no extra cost to the Courts.

### 2.2 EQUIPMENT

A. See attached equipment list for each room and associated wiring diagrams located with the Contract Drawings. The equipment list shall be used as the basis of design for preliminary pricing purposes. All equipment selections and wiring schematics shall be reviewed by Miller, Beam and Paganelli prior to purchase by the AV Contractor to incorporate the latest technology and design requirements.

B. Substitute equipment shall meet or exceed the performance specifications of the basis of design equipment and shall be at no additional cost to the Owner.

C. Substitute equipment shall not impact the existing architectural or electrical designs.

D. Coordinate the final color/finish of any exposed equipment prior to purchase. Where possible remove all visible product labels.

E. Prior to ordering the equipment, the contractor shall verify that the latest product model is being provided and advise the Courts. If a newer product is available, than the new product model should be submitted as substitution as directed in section 2.1.C above.

### 2.3 SYSTEM WIRING

- A. All wiring runs shall be unspliced where possible. Splices shall not occur in conduit.
- B. Provide plenum-rated cable where required by code.
- C. Utilize minimum 22 gauge twisted pair shielded wire for all unbalanced line level connections. Utilize minimum 22 gauge twisted pair shielded wire with a minimum 24 gauge drain wire for all balanced line-level or microphone level connections. Multi-conductor cable shall provide a 100% shield for each pair.
- D. Utilize minimum 18 gauge twisted pair unshielded wire for all speaker level connections. Size and run wire to provide a line loss of less than .5 dB.
- E. Acceptable cable manufacturers include Extron, Belden, Liberty, Mogami, Canare, Monster, Comprehensive and West Penn.
- F. Arrange, route, and isolate wiring according to signal level to minimize crosstalk, hum, or spurious signals. Wiring categories shall consist of: microphone level (-80 dBm to -20 dBm), line level (-20 dBm to +30 dBm), loudspeaker level (+30 dBm and above), AC power, and DC control or emergency power.
- G. Install all cabling in an orderly and professional manner. Provide service loops to allow access to the rear of equipment.
- H. Label each and every cable in the system (on both ends) in a clear and permanent manner. Use a logical labeling system that maintains the same circuit designation from origin to destination.

#### 2.4 System Description

- A. See Attachment B - "Audiovisual System Description" as well as drawings and notes on drawings.

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### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Coordinate the installation of all equipment, wiring, and associated hardware to be compatible the Court's operation schedule.
- B. The AV Contractor shall be responsible for coordination of any additional required AV infrastructure locations with the Courts (Mr. Reginald Turner is the site contact). This coordination includes, but is not limited to, project schedule, conduit, junction boxes, blocking, access panels, power, and data drops.
- C. The AV Contractor shall allow time in their project schedule and labor pricing to keep one of the two Courtroom audio systems functional at all times for use by the Court as needed.
- D. The AV Contractor shall plan to be able to work on one half (1/2) of the conference spaces at any given time to allow the Courts use of the remaining spaces to conduct business.
- E. Perform installation in strict accordance with standard broadcast practices, the National Electrical Code, and any other governing codes.
- F. Keep a complete and accurate set of installation drawings at the job site. Note any changes made during installation on the drawings. Include a final set of as-built drawings with the Operation and Maintenance manuals.

G. Install all equipment following the manufacturers' recommendations and broadcast standards. Adjust and test to assure that all components are functioning properly by themselves and in conjunction with their associated components.

H. Install all equipment in appropriate cabinets or consoles at the locations designated in this document or on the associated contract drawings.

I. Securely fasten and support all equipment without hindering equipment operation. Utilize security screws for all rack mounted hardware. Utilize security hardware for all exposed devices.

J. Securely fasten and support all equipment without hindering equipment operation.

K. Permanently label all system controls, equipment, switches, connectors, wall/floor plates, etc. for easy identification. Document all equipment settings that normally do not require readjustment on rack cabinet doors and in the Operation and Maintenance manuals.

L. Utilize signal and power grounding techniques in accordance with established industry standards, such as set forth in Sound System Engineering by Don Davis.

M. Field-verify the final location of all equipment prior to installation.

N. Racks are to be fabricated off-site for on time delivery to the job site. The AV Contractor will provide digital images of the rack builds prior to delivery to the job site.

O. All equipment is to be brought to latest firmware version during off-site rack build.

P. All identical AV systems to be loaded with identical control system code.

Q. All cables are to be clearly labelled with printed and permanently attached labels on both ends, using a logical numbering system to delineate signal type. Handwritten cable labels are not acceptable.

### 3.2 ACCEPTANCE TESTS

A. After preliminary system installation and adjustment on site, conduct an Acceptance Test with representatives from the Courts and Miller, Beam & Paganelli present.

B. Demonstrate the overall operation of each individual piece of equipment in the system, and of the system as a whole. Demonstrate that equipment functions according to manufacturer's specifications, industry standards, and as stated in this Specification Section.

C. Maintain documentation of all performance tests.

D. Establish and mark normal settings for all level controls and record these settings in the Operating Instructions.

E. Following the acceptance testing, Miller, Beam & Paganelli will issue a system punch list to be completed by the installer for final completion of the specified scope of work.

### 3.3 SYSTEM TRAINING AND OPERATION ASSISTANCE

A. Following acceptance testing and completion of the punch list, the contractor shall conduct on-site training programs to instruct the Owner on overall system and individual equipment operation, basic preventative maintenance, and basic system troubleshooting.

B. Provide a nominal (40) hours total of technical training which may be scheduled at the Owner's request at any time up to a year following system acceptance.

C. Provide a minimum of two training sessions:

1. The first session shall occur immediately after the acceptance of the systems and cover the basic operation of each system, including the touch panel guide in section 1.3.C.6 detailing the operation of each touch panel page.
2. Provide the second training session approximately four weeks from the first session. The operation and maintenance manuals for the equipment shall be completed and presented to the client at this time. This training session will be used to train additional people and/or to answer questions/resolve issues developed within the first month of system use.

D. Provide in the bid submittal an hourly rate, valid for one year from the acceptance date of the system installation, for any requested additional training or operation assistance (above and beyond the 40 initial hours).

E. Provide an additional nominal (40) hours of onsite operation assistance with qualified personnel to operate and provide in situ training to the Court staff. This on site operation assistance is in addition to the initial (40) hours of training.

### 3.4 OPERATING INSTRUCTIONS

A. Upon acceptance of the system, provide manuals detailing the installation, operation, and service of each audiovisual system. Provide two hard copies and three electronic copies (CD ROM).

1. The manuals shall be clearly indexed and contain a minimum of the following as applicable:
  - a. As-built drawings and touch panel guide as described in Section 1.3 above. Drawings shall be of an appropriate size to allow all text to be clearly legible. Electronic copies shall be in AutoCAD (DWG) and PDF formats.
  - b. List of provided equipment. List shall be organized by room number and shall include equipment description, manufacturer, model number, quantities, rack locations, serial numbers, and date installed.
  - c. Manufacturer's instruction manuals.
  - d. Manufacturer's service instructions.
  - e. Manufacturer's warranty information.
  - f. IP addresses of all equipment.
  - g. Current firmware version of all equipment.
2. Each manual shall also contain a contractor-generated system operation guide that details the proper use of each system in all its normal functions. The operation guide shall contain information such as a general description of the overall system(s), a glossary of frequently used terms, instructions for general system operation such as turning the system on and off, selecting various video sources for display, routing various audio sources to the speaker systems, etc. The intent is for this manual to be a supplement to the system training specified above.

3. The contractor shall provide touch panel control instructions in section 1.3.C.6 above in electronic (.pdf) format.
4. The uncompiled control system program and touch panel pages will be provided.
5. A draft copy of this guide shall be submitted for review and comment prior to the off-site acceptance testing described in section 3.1.A
6. The final copy of this guide shall be submitted prior to the first training session.
7. Unless otherwise noted, all information on the CD ROMs shall be in PDF format.
8. During the on-site acceptance test of each phase described in section 3.2.B, the Contractor shall provide three CD ROMs to the Courts with the uncompiled remote control system source code and touch panel page layouts.

B. Post one additional copy of system specific equipment interconnection drawings inside the front or rear door of the main equipment cabinet for each individual audiovisual system. These drawings shall be laminated or in a plastic cover to prevent damage.

### 3.5 WARRANTY AND MAINTENANCE

A. Guarantee the system for a period of one year from the date of final system acceptance against defective materials, design, workmanship, and improper adjustment. Repair or replace any defective material at no expense to the Owner, provided it does not show abuse. During the warranty period, respond to any service calls within 24-hours (including Saturdays, Sundays, and holidays). Due to Courtroom use, service shall be performed after hours or during the weekend. Court operations cannot be interrupted for AV service.

B. Where possible, provide substitute rental equipment to maintain system operation during repair.

C. Provide service calls at quarterly intervals throughout the warranty period to perform routine system maintenance and adjustment. Update firmware of all equipment during service calls.

D. The above warranty shall not void warranties issued by individual equipment manufacturers. Individual warranties valid for greater than one year shall remain in full effect.

E. The above warranty shall not void any rights guaranteed to the Owner by law.

F. The above warranty shall not pertain to existing Owner-provided equipment.

G. Provide the cost for an extended service contract valid for one year from the date of the conclusion of the initial warranty. The service contract shall include quarterly site visits to conduct preventative maintenance, firmware updates, and Owner directed service adjustments.

## **Appendix B - AUDIOVISUAL SYSTEM DESCRIPTION**

### **1) Ceremonial Courtroom 004**

The Ceremonial Courtroom was equipped with new Vaddio HD cameras in 2011; the analog video presentation system is from 2008. The new scope will include updating the video projection and presentation system with a digital video system, providing a new audio DSP mixer, and providing a new AV control system. The existing video recording system and control room will be reconfigured to accommodate the new cameras being provided for Courtroom 1 (see below). The video recording system modifications are described under the Central Video Recording System scope below.

The existing 72" H X 96" W, NTSC format electric projection screen will remain and be reused. A new 8000 Lumen, XGA resolution video projector with long throw lens will be located on the existing projector shelf. A new (8) Input by (2) Output video matrix switcher with HD Base-T inputs and outputs will be provided. New HB Base-T video input modules will be provided at both Clerks' desks and at the lectern. A new table box with HDMI and VGA inputs with the same cut-out dimensions will be provided for the lectern. A new VTC codec will be provided for the Ceremonial Courtroom. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources.

A new audio DSP mixer will be provided. Inputs to the new mixer include feeds from the conference microphone system, the existing wireless microphone, and video presentation system. The existing assistive listening system transmitter and existing column speakers will be reused. Ceiling speakers and associated volume controls in both robing rooms will be connected to the new audio DSP Mixer. An analog telephone interface will be provided for audio teleconference use.

Two 7" wired touch panels will be provided for control of the Courtroom video system. One touch panel will be provided at the existing location at the Clerk's bench, the second will be located in the AV control room. AV rack equipment will be located in a small, side-bay rack in the AV control room as detailed on the Central Video Recording System layout drawings.

### **2) Multipurpose Room 009**

The Multipurpose Room will be provided with a new, large 85" flat panel display. The existing projection screen and projector lift will remain abandoned in place. A new (8) Input by (2) Output video matrix switcher with HD Base-T inputs and outputs will be provided. New HD Base-T video input modules will be provided at the existing presentation table at the rear of the space as well as below the new display. A new VTC codec will be provided with new front and rear PTZ cameras. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources. A web streaming device will be provided to send audio and video to the other large conference spaces equipped with an IPTV tuner.

A new audio DSP mixer will be provided. Inputs to the new mixer include a Dante digital audio feed from a new ceiling-mounted microphone array, two wireless lavalier microphones, a microphone wall jack below the display, and the video presentation system. The new, flat, array microphone will be attached to the bottom of the existing projector lift in the center of the room. The existing assistive listening system will be reused. A pair of new low-profile column speakers will be provided on either side of the new display. The existing ceiling speakers will be reused for speech reinforcement. An analog telephone interface will be provided for audio teleconference use.

A new, 9" wireless touch panel with wall-mounted docking station will be provided for control of the AV system. The touch panel will be provided with a PIN code to remove the touch panel from the wall dock. The existing full-height equipment rack and associated closet will be reused.

### **3) Conference Room 011**

The Conference Room will be provided with two new, large 75" flat panel displays. The existing projection screen will remain abandoned in place. A new (6) Input by (6) Output video matrix switcher with HD Base-T outputs will be provided. Two HD Base-T video input modules will be provided at the presentation table. The existing table boxes will be provided with new VGA and HDMI input plates. A new VTC codec will be provided with new front and rear PTZ cameras. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources. A web streaming device will be provided to send audio and video to the other large conference spaces equipped with an IPTV tuner.

A new audio DSP mixer will be provided. Inputs to the new mixer include a Dante digital audio feed from a new ceiling-mounted microphone array and the video presentation system. The new, flat, array microphone will be attached to the existing video projector mount at the center of the space. The existing assistive listening system will be reused. A pair of new low-profile column speakers will be provided on either side of the new display. The existing ceiling speakers will be reused for speech reinforcement. An analog telephone interface will be provided for audio teleconference use.

A new, 9" wireless touch panel with wall-mounted docking station will be provided for control of the AV system. The touch panel will be provided with a PIN code to remove the touch panel from the wall dock. The existing full-height equipment rack and associated closet will be reused.

### **4) Gym 018**

The Gym will be provided with a new 65" flat panel display on a swing-out wall mount. A Blu-Ray player, HDMI wall plate input, and Cable TV feed will be provided as video inputs. The existing ceiling speakers will be reused and will be powered by a compact (3) input mixer with wall plate source selection and volume control remote control. An 1/8" mini audio input will also be provided on the HDMI wall plate for use with portable audio sources such as an iPod. A dual wall shelf will be provided below the TV to house the Blu-Ray player and audio mixer / amplifier.

### **5) Conference Room 122**

The Conference Room will be provided with a new, 65" flat panel display. A new (8) Input by (2) Output video matrix switcher with HD Base-T inputs and outputs will be provided. New HD Base-T video input modules will be provided at the table as well as below the new display. The existing table boxes will be provided with new VGA and HDMI input plates. A new VTC codec will be provided with a new front PTZ camera. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources.

The TV speakers will be used for audio playback from video sources and for VTC use. A Polycom IP speaker phone with (2) extension microphones will be used for both audio conferencing and as the microphone for video conferencing use.

A new 9" wireless touch panel will be provided for control of the AV system. A new AV rack cabinet with wood-look veneer will be provided to best match the existing conference table's finish.

## **6) Conference Room 123A and 126 (Typical of 2)**

Each Conference Room will be provided with a new, 65" flat panel display. An HDMI to HD Base-T video transmitter will be provided at the existing presentation table for connection to the display. A wall plate with (2) HDMI inputs will be located below the new display. The existing table box(es) will be provided with a new HDMI input plate. A wireless presentation device and Cable feed will be provided as additional sources.

The TV speakers will be used for audio playback from video sources. A Polycom IP speaker phone will be used audio for conferencing.

The remote control provided with the TV will be used to control the display.

## **7) Courtroom 1 (215A)**

Courtroom 1 shares an AV rack with Conference Room 224 (see below). No major changes are required for the Courtroom AV system; however, the rack will require moderate reconfiguration to accommodate the new Conference Room 224 equipment. See the associated rack elevation detail for more information regarding the rack layout.

Four new PTZ cameras will be provided for recording of proceedings in Courtroom 1. Three Vaddio HD-20 cameras will be provided on a custom painted, wood shelf at the rear of the Courtroom to capture the bench area. A smaller Vaddio Roboshot 12 camera will be provided on a custom bracket located on the front of the bench to cover the litigants and lectern. The (4) camera feeds will be converted to fiber in the local AV rack closet and the fiber feeds (as well as control and audio feeds) will be sent to the existing AV control room on the lower level for recording by the Central Video Recording System (see below).

## **8) Conference Room 224**

The Conference Room will be provided with two new, 65" flat panel displays. A new (6) Input by (6) Output video matrix switcher with HD Base-T outputs will be provided. Two HD Base-T video input modules will be provided at the conference table. The existing table boxes will be provided with new VGA and HDMI input plates. A new VTC codec will be provided with a new front PTZ camera. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources.

A new audio DSP mixer will be provided. Inputs to the new mixer include (2) new multi-element table microphones and the video presentation system. A new, low-profile, left, center, and right speaker array will be located below the displays. An analog telephone interface will be provided for audio teleconference use.

A new 9" wireless touch panel will be provided for control of the AV system. Equipment will be housed in the full-height rack shared with Courtroom 1 (see rack elevations for more details).

## **9) Conference Room 315**

The Conference Room will be provided with a new, large 85" flat panel display. The existing projection screen and projector lift will remain abandoned in place. A new (8) Input by (2) Output video matrix switcher with HD Base-T inputs and outputs will be provided. New HD Base-T

video input modules will be provided at the table as well as below the new display. The existing table boxes will be provided with new VGA and HDMI input plates. A new VTC codec will be provided with new front PTZ camera. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources. A web streaming device will be provided to send audio and video to the other large conference spaces equipped with an IPTV tuner.

A new audio DSP mixer will be provided. Inputs to the new mixer include a Dante digital audio feed from (3) table-mounted microphone arrays and the video presentation system. The new table microphones will provide (4) audio pickup patterns each. A pair of new low-profile column speakers will be provided on either side of the new display. The existing ceiling speakers will be reused for speech reinforcement. An analog telephone interface will be provided for audio teleconference use.

A new, 9" wireless touch panel with wall-mounted docking station will be provided for control of the AV system. The touch panel will be provided with a PIN code to remove the touch panel from the wall dock. A new, custom wood, single-bay AV rack cabinet will be provided to match the existing furniture.

### **10) Chief Judge's Study 319**

The Chief Judge's Study will be provided with a new, 65" flat panel display on a swing-out arm. A new (8) Input by (2) Output video matrix switcher with HD Base-T inputs and outputs will be provided. New HD Base-T video input modules will be provided at the table as well as below the new display. A new VTC codec will be provided with a new front PTZ camera. A wireless presentation device and Cable TV / IPTV tuner will be provided as additional sources.

The TV speakers will be used for audio playback from video sources and for VTC use. A Polycom IP speaker phone with (2) extension microphones will be used for both audio conferencing and as the microphone for video conferencing use.

A new 9" wireless touch panel will be provided for control of the AV system. A new, custom wood, dual bay AV rack cabinet will be provided to match the existing furniture.

### **11) Central Video Recording System**

The Central Video Recording System will be located in the AV control room behind the Ceremonial Courtroom. The system will allow for recording and live-streaming of events from either Courtroom 1 or the Ceremonial Courtroom.

Two video recording systems will be provided. The first video recording system will be configured in a similar manner to the existing system where the cameras feed a switcher, camera shots are switched live, and the resulting feed is then recorded to a hard disc recorder and streamed live. The second system allows for (4) video feeds to be recorded simultaneously for editing and "switching" of camera feeds after the event has occurred. The intent is to allow for one person to simultaneously stream one event (in the Ceremonial Courtroom for example) while a second event is being recorded (in Courtroom 1 for example) for later editing and posting (for on-demand web viewing) of the second event.

A (12) by (12) HDSDI format video matrix switcher and a video windowing device will be provided for switching and displaying the video input sources. Inputs include (5) existing cameras in the Ceremonial Courtroom, the video presentation system feed from the Ceremonial Courtroom, (4) new Cameras in Courtroom 1, and audio feeds from both Courtrooms. The video windowing device will allow for preview of (12) video windows on a large, 55" display (on floor stand) located in the control room. A second camera joystick controller will be provided for control of the cameras in Courtroom 1.

A new video production switcher with (6) inputs, multi-view output, and character generator software will be provided for live switching of video feeds. A (4) channel, synchronized video recorder with editing system will be provided for recording and subsequent editing of video will also be provided. Outputs from the video system include a new, H.264 HD streaming appliance, the existing HD cable TV modulator (for in-house Cable TV broadcast), a rack mounted hard disc recorder (for export to editing system), and the Ceremonial Courtroom video presentation system. A USB switcher will allow for the keyboard and mouse located at the new video control desk to be switched between character generator PC control and control of the (4) channel video recording device.

A compact, touch screen, digital audio mixer will be provided for processing of audio as well as for local audio monitoring control. The existing audio monitor speakers will be reused.

A new video control desk with over bridge and integral bridge racks will be provided for the AV control room. A small side-bay rack will be provided for the Ceremonial Courtroom video presentation system equipment.

## **12) Portable Equipment for Events**

A portable sound system will be provided for use during events in the lobby and other spaces without a fixed audio system. The system will include a compact, 12 input mixer with tablet / PC control, a stereo power amplifier, (2) wireless microphones with handheld and lavalier microphones, and (6) 6" 2-way speakers on stands. An equipment rack, equipment trunk, and speaker cables will be provided.

Ceremonial Courtroom 004

**Video Equipment:**

1	8000 Lumen, XGA Resolution, Video Projector	NEC NP-PZ800X2
1	4.43 - 8.3 : 1 Lens for Above	NEC NP10ZL
2	Replacement Lamp for Above	NEC NP22LP
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824
3	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K
1	HDMI to HDSDI Scaler	Roland VC-1-HS

**Audio Equipment:**

1	Existing Conference Mic Control Unit	Existing Bosch DCN-CCU-UL
1	Existing Wireless Microphone	Existing Shure ULX
2	Existing Column Speakers	Existing EAW DSA-250
2	Existing Ceiling Speaker in Robing Rooms	Existing Tannoy CMS-601DC
1	Existing Power Amplifier	Existing Crown D70A
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102
1	Existing FM Assistive Listening System Transmitter	Listen Tech LS-800-082

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 4X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64510-001)
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**Control System Equipment:**

2	Wired Touch Panel	Crestion TSW-752
2	Existing Robing Room Volume Control	Existing Crestion APAD
1	Control System Central Processor	Crestion CP3
1	10 Port, 1 GB Lan Switch	Cisco SG300-10

**Equipment Racks / Misc. :**

1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515
1	2 RU Shelf	Middle Atlantic U2
1	New Table Box for Lectern	Extron HSA300

Multipurpose Room 009

**Video Equipment:**

1	85" LED / LCD TV, 4K UHD Display	Samsung UN85JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atlona AT-HDVS-150-TX-WP
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K
1	HDMI to H.264 Encoder	Data Video NVS-25

**Audio Equipment:**

1	Ceiling Mounted DSP Microphone Array w/ Dante Output	Shure MXA-910
2	Wireless Microphone Receiver with Beltpack and Handheld Transmitters .	Shure SLX124/85/SM58
2	Lavalier Microphone for Above	Countryman WCB6B
1	4 Output Antenna Distribution System for Above	Shure UA844SWB
1	Audio Digital Signal Processor with 12 AEC and 8 Outputs	BSS Blu-101
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102
1	Dante Interface for Above	BSS BLU-DAN
2	Low-Profile, On-Wall Column Speaker	Definitive Technology Mythos XTR-50
6	Existing Ceiling Speaker	Tannoy CMS-601DC
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above	Ashly Audio TRA-4150
1	Existing FM Assistive Listening System Transmitter	Listen Tech LS-800-082
1	Wall Plate Microphone Input	RDL DB-XLR3F

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 700 (7200-6270-001)
1	Secondary 12X Zoom Camera for Above	Polycom 8200-44350-001
2	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P
1	Wall Mount Arm for Rear Camera	Vaddio 535-2100-202

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902
1	Wall Docking Station for Above	Crestron TST-902-DSW
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE
1	Control System Central Processor	Crestron CP3
1	10 Port, 1 GB Lan Switch	Cisco SG300-10

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

Conference Room 011

**Video Equipment:**

2	75" LED / LCD TV, 4K UHD Display	Samsung UN75JU7100FXZA
2	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	6X6, 4K / UHD Video Matrix Switcher with (6) HDMI Inputs, (6) HD-Base-T Outputs and (2) HDMI Outputs	Atona AT-UHD-Pro3-66M
2	3 Input HDMI to HD-Base-T Transmitter	Atona AT-HDVS-150-TX
2	3 Input HDMI to HD-Base-T Receiver for Above	Atona AT-HDVS-150-RX
2	HD-Base-T to HDMI Receiver	Atona AT-UHD-EX-100CE-RX-PSE
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K
1	HDMI to H.264 Encoder	Data Video NVS-25

**Audio Equipment:**

1	Ceiling Mounted DSP Microphone Array w/ Dante Output	Shure MXA-910
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102
1	(8) Channel Input Expander for Above	BSS BLU-BIB
1	Dante Interface for Above	BSS BLU-DAN
2	Low-Profile, On-Wall Column Speaker	Definitive Technology Mythos XTR-50
4	Existing Ceiling Speaker	Tannoy CMS-601DC
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above	Ashly Audio TRA-4150
1	Existing FM Assistive Listening System Transmitter	Listen Tech LS-800-082

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 700 (7200-6270-001)
1	Secondary 12X Zoom Camera for Above	Polycom 8200-44350-001
2	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Creston TST-902
1	Wall Docking Station for Above	Creston TST-902-DSW
1	RF Wireless Interface for Above	Creston CEN-ERFGW-POE-PWE
1	Control System Central Processor	Creston CP3
1	10 Port, 1 GB Lan Switch	Cisco SG300-10

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

Gym 018

**Video Equipment:**

1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
1	Swing Out Mount for Above	Premier Mounts AM100
1	Blu-Ray Player	Samsung BD J5100
1	Wall Plate with HDMI and 1/8" Audio Inputs	Extron WPD-110A

**Audio Equipment:**

1	Mixer / Amplifier	Atlas Sound AA50PHD
1	Source Selection and Volume Control Wall Plate for Above	Atlas Sound WPD-RISRL
3	Existing Ceiling Speaker	Tannoy CMS-601DC

**Equipment Racks / Misc. :**

1	Dual Wall Shelf for Blu Ray and Mixer / Amp	Peerless ESHV30-S1
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Conference Room 122

**Video Equipment:**

1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atlona AT-HDVS-150-TX-WP
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K

**Audio and Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)
1	SIP / VOIP Speakerphone, Integrates with VTC System Above for Audio, Control, and Speakerphone Functions	Polycom IP7000 (2230-40300-001)
1	Pair of Extension Microphones for Above	Polycom (2200-40040-001)
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE
1	Control System Central Processor	Crestron CP3

**Equipment Racks / Misc. :**

1	Single Bay Equipment Rack Cabinet Frame	Middle Atlantic C5F1 Series
1	Wood Finish Kit for Above, Traditional Style, Aged Cherry Finish	Middle Atlantic C5K1-TSD-AG
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

Conference Room 123A

**Video Equipment:**

1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	HDMI to HD-Base-T Transmitter and Receiver	Arlona AT-UHD-EX-100CE-Kit
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	Custom AV Wall Plate	Custom - See Drawings

**Audio Conferencing Equipment:**

1	SIP / VOIP Speakerphone	Polycom IP7000 (2230-40300-001)
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Conference Room 126

**Video Equipment:**

1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	HDMI to HD-Base-T Transmitter and Receiver	Arlona AT-UHD-EX-100CE-Kit
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	Custom AV Wall Plate	Custom - See Drawings

**Audio Conferencing Equipment:**

1	SIP / VOIP Speakerphone	Polycom IP7000 (2230-40300-001)
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Courtroom 1 (215A)

**Video Equipment:**

3	20X Zoom, HD (1080P / 60 Hz) Pan, Tilt and Zoom Camera with Camera Control Unit	Vaddio ClearView HD-20SE QCCU (999-6987-000)
1	12X Zoom, Wide-Angle, Compact, HD (1080P / 60 Hz) Pan, Tilt and Zoom Camera with Camera Control Unit	Vaddio Roboshot 12 QCCU (999-9907-000)
1	Number: CPFMD-17-11-116	AJA FIDO-4T-ST
1	1-Nov-16	AJA FIDO-4R-ST
1	Custom Shelf / Clamp for Bench Camera	Custom - See Drawing AV.07
1	Custom Wood Shelf for Rear Cameras, Painted to Match Wall	Custom - See Drawing AV.07

Conference Room 224

**Video Equipment:**

2	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
2	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	6X6, 4K / UHD Video Matrix Switcher with (6) HDMI Inputs, (6) HD-Base-T Outputs and (2) HDMI Outputs	Atlona AT-UHD-Pro3-66M
2	3 Input HDMI to HD-Base-T Transmitter	Atlona AT-HDVS-150-TX
2	3 Input HDMI to HD-Base-T Receiver for Above	Atlona AT-HDVS-150-RX
2	HD-Base-T to HDMI Receiver	Atlona AT-UHD-EX-100CE-RX-PSE
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K

**Audio Equipment:**

2	Wired Boundary / Table Microphone w/ LED, Three Element	Shure MX396/C-TRI
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102
1	Low-Profile, On-Wall Left, Center, Right Speaker	Definitive Technology Mythos XTR-SSA3
1	Four Channel, 150 W @ 4 Ohm, Amplifier for Above	Ashly Audio SRA-4150

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 4X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64510-001)
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE
1	Control System Central Processor	Crestron CP3
1	10 Port, 1 GB Lan Switch	Cisco SG300-10

**Equipment Racks / Misc. :**

1	Existing Full-Height Equipment Rack w/ Caster Base	Middle Atlantic ERK-4425
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

Conference Room 315

**Video Equipment:**

1	85" LED / LCD TV, 4K UHD Display	Samsung UN85JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	8X2 UHD / 4K Multiformat Video Switcher, with (2) HD Base-T Inputs and Outputs	Atona AT-UHD-CLSO-824
2	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atona AT-HDVS-150-TX
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atona AT-HDVS-150-TX-WP
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atona AT-UHD-EX-100CE-RX
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K
1	HDMI to H.264 Encoder	Data Video NVS-25

**Audio Equipment:**

3	Table Microphone w/ Dante Interface	Shure MXA-310
1	Audio Digital Signal Processor with 12 AEC and 8 Outputs	BSS Blu-101
1	Audio Digital Signal Processor with 8 AEC, 8 Outputs, and Analog Telephone Interface	BSS Blu-102
1	Dante Interface for Above	BSS BLU-DAN
2	Low-Profile, On-Wall Column Speaker	Definitive Technology Mythos XTR-50
2	Existing Ceiling Speaker	Tannoy CMS-601DC
1	Four Channel, 150 W @ 4 Ohm, 70 Volt Amplifier for Above	Ashly Audio TRA-4150

**Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Crestron TST-902
1	Wall Docking Station for Above	Crestron TST-902-DSW
1	RF Wireless Interface for Above	Crestron CEN-ERFGW-POE-PWE
1	Control System Central Processor	Crestron CP3
1	10 Port, 1 GB Lan Switch	Cisco SG300-10

**Equipment Racks / Misc. :**

1	Custom Single Bay AV Rack Cabinet - to Match Existing Furniture Style and Wood Stain	DWI Enterprises Quote #5382
1	15 Amp Rack Mount Power Sequencer	Juice Goose CQ1515
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

Chief Judge's Study 319

**Video Equipment:**

1	65" LED / LCD TV, 4K UHD Display	Samsung UN65JU7100FXZA
1	Tilting, Low-Profile Wall Mount for Above	Premier Mounts P5080T
1	8X2 UHD / 4K Multifunction Video Switcher, with (2) HD Base-T Inputs and Outputs	Atlona AT-UHD-CLSO-824
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter	Atlona AT-HDVS-150-TX
1	(2) HDMI and VGA Switcher to HD Base-T Transmitter Wallplate	Atlona AT-HDVS-150-TX-WP
1	HD-Base-T to HDMI Receiver with RS-232 and LAN Control	Atlona AT-UHD-EX-100CE-RX
1	Wireless Presentation Device	Arrive Systems AAP-1101-BYMG
1	4K UHD IP and CATV Tuner	Aurora Multimedia VTUNE Pro 4K

**Audio and Video Conferencing Equipment:**

1	Standards Based (H.323) HD VTC System (720 P) with 12X Zoom Robotic Camera, Table Mic, and (1) Year Maintenance Contract	Polycom Group 500 (7200-64250-001)
1	SIP / VOIP Speakerphone, Integrates with VTC System Above for Audio, Control, and Speakerphone Functions	Polycom IP7000 (2230-40300-001)
1	Pair of Extension Microphones for Above	Polycom (2200-40040-001)
1	VTC Camera Extender Kit	Sound Control Technologies RC4-E4P

**Control System Equipment:**

1	8.7" Wireless Touch Panel w/ Tabletop Docking Station	Creston TST-902
1	RF Wireless Interface for Above	Creston CEN-ERFGW-POE-PWE
1	Control System Central Processor	Creston CP3

**Equipment Racks / Misc. :**

1	Custom Dual Bay AV Rack Cabinet - to Match Existing Furniture Style and Wood Stain	DWI Enterprises Quote #5382
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 RU Drawer	Middle Atlantic UD2

**Central Video Recording System**

**Video Equipment:**

1	Joystick Camera Controller for Above	Vaddio Production View Precision (999-5700-000)
1	6 Input Production Video Switcher	Datavideo SE-2200
1	Hard Disc Video Recorder, Rack Mount	AJA Ki Pro Rack
2	1 TB Memory Module for Above	AJA KISTOR1TBUDB0R0
1	Existing 25" Broadcast LCD Monitor (1080P) with 3G SDI Input	Existing Panasonic BT-LH2550
1	HDMI to H.264 Encoder	Data Video NVS-25
1	(4) Channel Hard Disc Video Recorder with Editing Software	Future Video Studio 4 SDI (FVS-403)
1	16 Window to 4K Video Multiviewer Processor	Black Magic Design Multiview 16
1	HDSDI to HDMI Converter	Roland VC-1-SH
1	12 X 12 SDI Video Matrix Switcher with Re-Synchronizer on Each Input	Black Magic Design Smart Videohub CleanSwitch 12X12
1	Existing HDSDI CATV Modulator	Existing Contemporary Research QMOD-SDI
1	55" LED / LCD TV, 4K UHD Display for Use with Multiviewer	Samsung UN55JU7100FXZA
1	Floor Stand for Above	Premier Mounts TS72B-MS2

**Audio Equipment:**

1	Digital Audio Mixer with (8) Inputs	QSC Touchmix 8
2	Existing Monitor Speaker	Tannoy 601A

**Equipment Racks / Misc. :**

1	60" Desk with Rack Bridge and Side Bay Rack	Middle Atlantic ESUR+S12D-**
1	Keyboard Tray for Above	Middle Atlantic MD-KB
1	20 Amp Rack Mount Power Sequencer	Juice Goose CQ1520
1	100 VA Rack Mount UPS	APC SMT1000RM2U
1	2 RU Shelf	Middle Atlantic U2
1	2 X 1 USB Switch for Above	Pluggable Technologies USB3-Switch2

Portable Equipment for Events

**Audio Equipment:**

2	Wireless Microphone Receiver with Beltpack and Handheld Transmitters	Shure SLX124/85/SM58
2	Lavaliere Microphone for Above	Countryman WCB6B
6	Portable 6" PA Speaker with Rotatable Horn	Martin Audio DD6
6	Yoke Mount for Above	Martin Audio ASF20035
6	Stand Adapter for Above	Martin Audio HAM02041
6	Speaker Stand for Above	K&M 21450
8	50' Speaker Cable for Above	Whirlwind NL4-050
4	25' Speaker Cable for Above	Whirlwind NL4-025
1	12 Input Audio Mixer with Ipad Control	Soundcraft Uj16
1	Two Channel, 90 W @ 4 Ohm, Amplifier for Above	QSC PLX1804

**Equipment Racks / Misc. :**

1	12 RU Portable Equipment Rack with Casters	Gator G-Tour-12U
1	15 Amp Rack Mount Power Sequencer	Juice Goose SQ1500
1	2 RU Rack Drawer w/ Foam Insert	Gator GRW-DRWDF-2
1	1 RU Brush Grommet Panel	Middle Atlantic BR1
1	Equipment Trunk with Casters for Portable Equipment	Gator Cases G-Tour-TRK-3022HS

**ATTACHMENT D – SAMPLE TOUCH PAENL GUIDE**  
**AUDIOVISUAL EQUIPMENT**  
**14 Pages Including this Cover Sheet**

# System Startup

To begin use of the system, select one of the options from the top navigation bar



# Cameras

Selecting cameras will turn on all displays and route the split screen image of the cameras to the appropriate locations

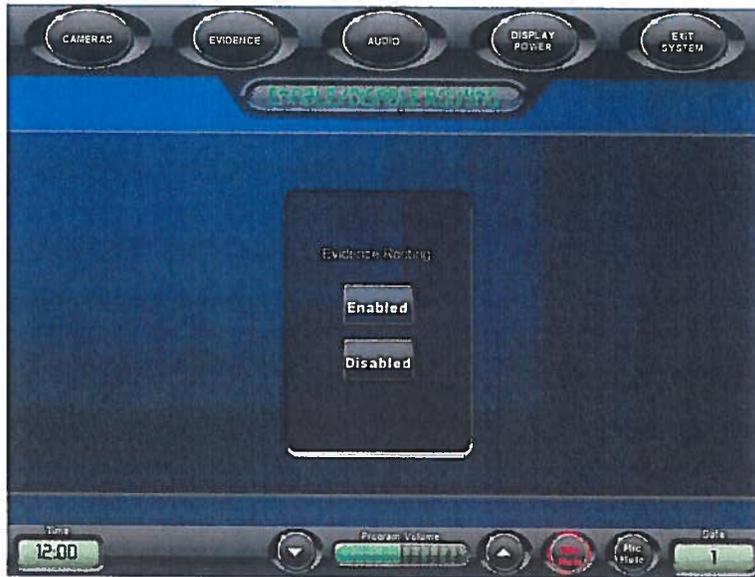


The user can select between the "Judge" and "Defendant" cameras. The current selections button will be highlighted and control will be assigned to that device. The user will be able to move and focus the camera as well as save and recall six different presets.

# Evidence Routing

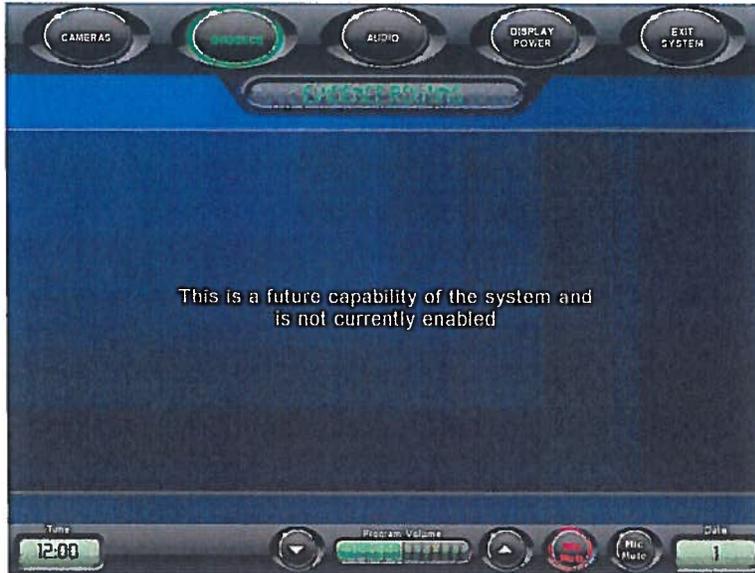
- Evidence routing is a future system option, however it will be coded in and the user can enable or disable this function when they are prepared to use it.
- By default it will be disabled
- Pressing and holding the clock in the bottom right hand corner of the page will take the user to a page where it can be enabled/disabled

# Evidence Routing



# Evidence Routing

If Evidence Routing is disabled and the user presses the “Evidence” button, they are presented the below message.



# Evidence Routing

If Evidence Routing is enabled, the user will be able to route any of the available sources to all display locations. The user will select an evidence source, such as



“Judge” and then select the displays they would like to send the evidence source to.

# Evidence Routing

When either the "Judge", "Prosecution" or "Defense" evidence sources are selected, the user can choose from the two available video connections on that locations transmitter.



# Evidence Routing

If "Cameras" are the selected evidence source, a message will be displayed instructing the user to press "CAMERAS" at the top of the page to access controls.



# Evidence Routing

If Blu Ray is the selected evidence source, the transport and menu controls for the Blu Ray will be displayed and active.



# Audio Controls

When “Audio” is selected from the top navigation bar, audio teleconference controls will be displayed and active.



The user can access the systems microphone volume controls from a button in the bottom right hand corner.

# Audio Controls

To return to the audio teleconferencing controls, the user can press “Dialing Controls” in the bottom right hand corner.



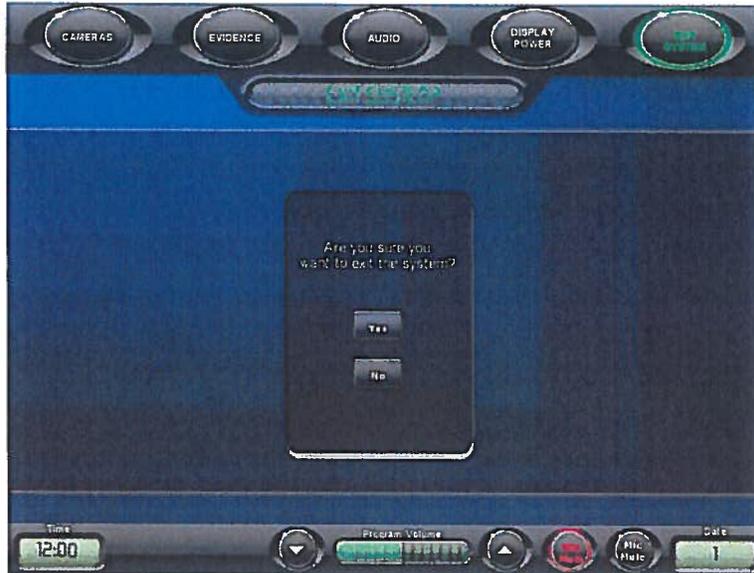
# Display Power

To access individual display power controls, the user would press “Display Power” on the top navigation bar.



# Exit System

To end use of the system, the user would press “Exit System” on the top navigation bar. The user will be prompted to confirm this selection.



If “Yes” is selected, all displays will be powered off and the systems defaults will be reset. If “No” is selected, the user will be returned to the previous page.