

ADDENDUM FIVE
Audio/Visual Systems for Justice Center/Public Safety Expansion
Catawba County - RFP 10-1014
July 7, 2016

- 1) RFP 10-1014, SECTION I.A.bullet 6 – Indicates that “All network switches, routers, wireless network links, and related network equipment shall be provided and installed by the Owner. The AV contractor and Contractor shall coordinate all audiovisual network requirements with Catawba County.”

Response: The only place we are connecting to the County’s network is the Public Safety side – The County will provide all network equipment associated with A/V networks located on the Public Safety side of the facility and the Board of Commissioner’s meeting room.- Courtrooms will be self-contained – independent of each other and on their own network.

- 2) RFP 10-1014, SECTION II.D.bullet 1 – “ECC, as well as several other locations” Indicates that HDMI will be used as the standard input for all sources (“assumed”), but sections of the drawings(ref TA-501A, details 1 and 2) indicate that input/output plates be provided with VGA as well. Please confirm that the County’s intent is to have user available inputs with HDMI only and that “other inputs (RGBHV/HD15, HDMI, Ethernet) with converters or dongles needed for a complete system.”

Response: The County’s intent is to have each wall plate identified with (1) HDMI and (1) VGA connection.

- 3) RFP 10-1014, SECTION II.D.bullet 5 – “Press Room”. Indicates that a “lectern will be provided for the Press Room”, but doesn’t say who will provide this lectern. Please clarify who will provide this element. If the County is providing, please provide a drawing or conceptual design to ensure that it has the capacity to handle the required audiovisual elements. If we are to provide a price for this element, please provide drawing and requirements.

Response: The County will provide lectern see the attached link:
<http://www.spectrumfurniture.com/en/products/honors-lectern#.V35GVMGa38g.email>

- 4) RFP 10-1014, SECTION II.D.bullet 6 – “Press Room”. Indicates that the primary video display will be a projector, supplemented with a wall mounted LCD. Drawing TA-101A indicates that only a 65” LCD will be used in this room, where drawing TA-601C indicates that only a projector will be used. Please clarify which method should be used for this RFP.

Response: No projector will be required in the press room, only the 65” display will be required.

- 5) RFP 10-1014, SECTION II.D.bullet 6 – “Press Room, but assuming all instances”. Indicates that “Owner provided iPad”, but addendum #3 states that “android devices are acceptable provided they will support the Crestron application.” Is it the county’s intent to supply these devices, iPad or otherwise given the following statement in Addendum #3 states “Tablets should have approximately 12” to 13” display with 64GB internal memory.”?

Response: Each vendor shall provide pricing for the devices stated above; acceptable devices will either support Apple or Android operating systems and be of commercial grade quality to ensure critical operations.

- 6) RFP 10-1014, SECTION II. General – Several instances of the control system to interface with the lighting system are indicated throughout this section. Can the county provide information regarding this lighting system interface and what dimming system will be used? i.e. manufacturer, will a suitable RS-232/Ethernet interface be purchased and installed by the lighting/dimming provider or will this be the responsibility of the AV contractor?

Response: Control systems to be installed by the vendor will be DALI compliant; the electrical contractor will install standardize lighting control (DALI compliant /Wattstopper) and the AV vendor will integrate with that device.

- 7) RFP 10-1014, SECTION III.B – “Maintenance and Support Pricing” Can the County clarify what is being requested here? The statement “Submit the costs for a one-year service contract, commencing with the completion of the one-year warranty.” Reads like the county is asking for a 1-Year Service and Warranty Coverage CSA that will be followed up by a 2nd year of on-site service with no explicit warranty coverage for system, which would typically include items like software updates to the VDC solution. This statement is repeated again in [Document Specification 274100.Part 1.1.10 Maintenance and indicates a 1 Year Warranty.]
- FOLLOW UP – Document Specification 274100. PART 1 (8/56) Warranty is indicated for 24 Months. Which statement is correct?
 - FOLLOW UP to the previous question – When differences in the specification sections RFP16-1014 and Specification Section 274100 differ, which document takes preference?

Response: it is anticipated that all vendors will provide a 12 month full service warranty from date of acceptance to include labor hardware, software, upgrades. An additional 12 month service agreement should be priced by each vendor to include the previous stated services. Additionally, request each vendor provide maintenance quotes for years 2-5.

- 8) RFP 10-1014, SECTION III.E – “Installation” Can the following requirement be removed from the RFP, since Addendum #3 indicates that the county will provide Ortronics OR-19-84, open frame racks: “All equipment to be rack mounted shall be supplied with the appropriate rack mount kits. All equipment racks to include removable, locking front doors and a 30-minute

uninterruptable power supply (rack mount or freestanding at bottom of rack). Each podium or equipment rack shall include a 4 inch diameter, low-noise fan.”

Response: This requirement can be removed for all AV equipment placed on the Public Safety side of Justice Center/Public Safety Expansion – vendors will provide racks associated with each courtroom and will meet the specified requirements in Section III.E. On the Public Safety side vendors will be responsible for all mounting requirements within the County provided cabinets/racks.

- 9) RFP 10-1014, SECTION III.E – “Acceptance Testing” – Will the county consider revising or removing the statement regarding the “Right to Revoke Acceptance”? As stated, it would allow the county (Owner) the potential to reset the included 1 Year warranty in perpetuity should any device provided fail in the normal course of its useful life during the first year “for any cause not attributable to the Owner...” This statement is repeated in Specification Document 274100. PART 3.3.6.

Response: The County will retain the right to revoke acceptance in the event it involves critical equipment failure.

- 10) Documents RFP 10-1014 and Specification Section 274100 – “General Clarification” Can the County confirm which document sections (by footer) RFP 16-1014 and Specification Section 274100 hold precedence when there is a conflict? Where there are many similarities and redundancies, and consequently previously stated questions would apply equally to each section, some differences have been noted in previous questions.

Response: The most restrictive document will prevail as the County’s requirement.

- 11) Document 274100 – 21/56 – (EOC, multiple questions)
- a. Can information be provided on the Owner furnished lectern?
 - b. Is it required that the lectern be outfitted with a document camera?
 - c. Should the EOC area have an IR assisted listening system, and if so, for how many receivers?

Response:

- a. See question 3
- b. it is anticipated the document camera placed in the lectern shall be the Elmo or equivalent document projector that will be integrated with the remaining contents of the AV package supporting that room
- c. IR assisted listening system is not required in the EOC

- 12) Document 274100 – 21/56 – (Press Room)
- a. Is it required that the lectern be outfitted with a document camera?
 - b. Should the EOC area have an IR assisted listening system, and if so, for how many receivers?

Response: a. See response to question 11.

b. No assisted listening systems is required.

13) Document 274100 – 21/56 – (Press Room, multiple questions)

- a. Is a videoconferencing system required for this room? It is not shown on the signal drawings.
- b. Is a projection system, or a 65" LCD, or both required for this room?
- c. It is noted on this page that HD PTZ cameras be included for this room. How many are required?
- d. What system will be used to record these cameras?
- e. Are microphones, other than at the lectern required for this room?

Response:

- a. No video conferencing system is required;
- b. 66" LCD only;
- c. Yes, (1) JD PTZ will be installed in this room (press room) and (1) HD PTZ in EOC operations room; PTZ camera is [Axis M5014](#)
- d. All cameras provided shall be compatible with Occularis;
- e. Yes, a lectern microphone and wireless microphone shall be provided.

14) General Question – Are the Application PC's and Display Servers shown on Drawing TA-101A1 being provided by Owner, or are we required to price these out?

- a. If we are to provide pricing, can a specification of what's required be provided?

Response: Pricing for application pc's and display servers shall be provided by the vendors.

- a. See attached specification document.

15) General Question – Is there a make/model number associated with the IP Speakers?

Response: Yes, see Addendum Four

16) General Question – Is there a make/model number for the recording system being provided by the state for use in the courtrooms?

Response: Manufacturer: Presonus Model: Audiobox 1818VSL & Model: FireStudio GN20837

17) General Question – Is there a current digital signage system in use by the county that the successful bidder will need to add to for this award?

Response: No

18) Referencing Section II.B of the RFP, please confirm requirements for the digital signage system (e.g., quantity of channels, type of content, etc.)

Response: As specified in the RFP, digital signage will be used to display court docket information and customer directions/instructions. The system must be able to support Microsoft Office based content for display.

19) When is the anticipated bid award date?

Response: Anticipated award date August 15th.

20) What is the final completion date for A/V?

Response: On or about April 1st 2017.

21) Can you please provide a current construction schedule?

Response: A current schedule should be available Friday, July 8, 2016 and will be forwarded.

22) Are there reoccurring meetings that are required to attend by the A/V representative from the A/V vendor? If meetings are required, what is the frequency and schedule of those meetings?

Response: No scheduled meetings are required for the AV vendor, however, close coordination will be required with the County construction management team. A kick off meeting will be required and periodic meetings as deemed necessary.

23) What permits are required by the A/V vendor?

Response: Permits are not required for work normally performed as low voltage if any other high voltage work is required, vendor will need to coordinate with the County's construction management team and pull permits as necessary.-

24) Is any special safety training or safety equipment required onsite?

Response: All personnel will be required to receive site safety training as required by the General Contractor prior to accessing the site. The AV contractor shall be required to sign the County's contractor safety policy which is attached.

25) What are the hours available for access for installation onsite?

Response: 7 a.m. – 5 p.m. weekdays.

26) Will there be parking available for installation crews or does the A/V vendor need to account to pay for parking?

Response: Yes, parking is available; AV vendor is not required to pay for parking.

27) Will there be any secure locations onsite to store equipment?

Response: There may be limited space within building to store equipment; if storage pods are required can store at old Animal Shelter Building lawn which is within close proximity.

28) Please provide sample form of agreement and associated terms and conditions between purchaser and contractor for our review. The RFP indicates the contract would be with a political subdivision of the State according to G.S. 147-33.81(2). However, our research indicated this was a repealed statute.

Response: The AV Contractor shall provide their standard agreement with their proposal for review.

29) **IP Design Question:** What is the make and model of the owner furnished IP paging system?

Response: See attached link: <https://www.anetd.com/and-ip-endpoints-ipscm/>

- a. Is there a recommended audio speaker for use with the owner furnished IP paging system? Response: See Addendum Four.
- b. Is this a 70-volt speaker system? Response: See Addendum Four.
- c. If this is a 70-volt speaker system, how many zones are required? Response: Zones will be determined and configured by the County.
- d. Who is responsible for providing and installing all the cabling for the IP paging system? Response: Low voltage contractor under the General Contractor.

30) **Courtroom Design Questions:** Do all the courtrooms need bi-directional communication?

Response: See Addendum Three. At this time, the County requires each court room to stand alone as an independent unit; at some point in the future, interconnecting these courtrooms together may be required – please provide alternate pricing for network switching equipment that may be required to interconnect all courtrooms together to exchange audio and video data.

- a. Do all the courtrooms need video and audio feeds for overflow? Response: Yes; under the alternate.
- b. Do all 5 courtrooms need to allow for video and audio feeds to each other? Response: Yes, for the 4 courtroom on the 2nd floor – not required for courtroom on first floor.

31) Can you please clarify the statement in the bottom left corner of drawing TA400B1 (labeled PDF drawing TA402B1)?

Response: The drawing number is TA400B1. We are unclear of your question concerning the statement in the bottom left corner.

- 32) Referencing multiple locations with the RFP, there are references to iPad and/or wired touch panels. During the pre-bid conference, the County noted they did not want any wired Crestron control devices. Please clarify requirements of the user interface for all spaces.

Response: Where possible the County prefers to use iPads or other wireless devices; where necessary Crestron controllers may be used.

- 33) It was noted during the pre-bid meeting that the County would provide iPads and/or Android devices for control. Please confirm this statement and also clarify that the County will separately purchase and install the Crestron control app for those devices.

Response: Refer to previous question.

- 34) Are the Apple iPads for control owner furnished equipment? Response: See responses above.

- a. Will the control app for the Apple iPad also be owner furnished? Response: See responses above.
- b. Can the iPads be provided ahead of time so programming and testing can be done off site? Response: Yes

- 35) **Emergency Operation Center and 911 Call Center Design Questions:** Is the control system AV LAN to be provided by the AV vendor? Response: The AV LAN will be provided by the County. It is expected the vendor will provide necessary configuration information prior to commencement of work.

- a. Does this include the network switch, WAPS (wireless access points) and all network cabling and network drops? Response: Provided by others.
 - b. Do these network switches need to be managed switches, for connection to the owner furnished network? Response: Furnished by County.
 - c. Is control management software required, such as Crestron Fusion? Response: Yes
- 36) Are the AV equipment racks provided by the AV vendor or are the racks owner furnished?

Response: Refer to question ---8

- a. If the AV equipment racks are owner furnished, can the racks be delivered or picked up for the AV vendor for build out at the AV vendor's location. Response: No

37) Is the control system AV LA to be provided by the AV vendor? Response:

- a. Does this include the network switch, APs (wireless access points) and all network cabling and network drops? Response: See response to Question 35.
- b. Do these network switches need to be managed switches, for connection to the owner furnished network? Response: See response to Question 35.
- c. Is control management software required, such as Crestron Fusion? Response: See response to Question 35.

38) Are the AV equipment racks provided by the AV vendor or are the racks owner furnished?

Response: See question 36.

- a. If the AV equipment racks are owner furnished, can the racks be delivered or picked up for the AV vendor for build out at the AV vendor's location? Response: If the vendor is providing the rack for a specific location, the vendor can then perform any work required within that rack at your discretion.

39) Referencing Detail 1/TA501A, please confirm quantity of network connections at all flat panel displays.

Response: (1) network connection each.

40) Reference Detail 3/TA501, please confirm blocking details (e.g., size, depth, material type, etc.) actually installed by others at all flat panel displays.

Response: Confirmed

41) Drawing TA601A and TA601B show a total of twenty (20) cable TV boxes being encoded. Please confirm total quantity of encoded TV channels to be included on IPTV system.

Response: Anticipated day one requirement will be (10) cable TV boxes with anticipated future growth to (20).

42) Referencing Drawings TA601A and TA601B, please confirm the make/model of the cable TV receiver and whether this is furnished under this Scope or by the cable provider. Most current TV signals are encrypted so 3rd party tuners may only pick up clear QAM signals.

Response: Our cable TV provider is Charter Communications; please contact them for answers to this question.

43) Referencing the IPTV system, please provide the cable TV provider.

Response: Charter Communications.

44) Referencing drawings TA601B and TA102A, quantity of displays along north wall do not match up. The floor plan shows four (4) displays for this elevation; the one-line diagram shows five (5) displays for this elevation. Please clarify.

Response: (4) Displays on the north wall – the one-line should reflect (4) rather than (5).

45) Referencing the Barco CMS system within the emergency operations space, please confirm requirement for display of multiple, simultaneous content per display (e.g. tiling of content). Please confirm total potential number of simultaneous feeds to be viewed at each display location. This RFI speaks to Barco licensing as well as the Dell Micro PC processor capabilities.

Response: On the average we would not want to stream more than (4) images on any one display.

46) Referencing RFP Page 6 for EOC Operations Room, please confirm requirement for annotation device and document camera. These do not appear on Drawing TA601A.

Response: They are within the lectern on the EOC operations floor.

47) Referencing RFP Page 8 and 9 (Section E) and Drawing TA601B, sources shown on the drawing do not match up with the RFP description. For example, the RFP description talks about viewing content from the building surveillance system and weather data, but the drawings only show encoded cable boxes as sources. Please clarify.

Response: Within the specifications and RFP request, multiple input s were described, any input using the CMS system should be considered as an input source for any CMS location.

48) Referencing Drawing TA602A, this drawing shows the audio output from the nine (9) EOC operator workstations. As the video output from these workstations uses Barco's ProServer screen scraping software, there may be significant audio synchronization issues. This is further compounded by the lack of audio digital signal processing and delay. Please confirm the requirement for audio from these operator workstations as sources to the Barco CMS emergency management video processing platform.

Response: If concerned about audio synchronization, provide appropriate DSP. If a different DSP is more appropriate, please provide specifications.

49) Referencing Drawings TA602A, this drawing shows the laptop audio output for the ancillary spaces coming into the audio matrix system. As the video output from these workstations uses a Barco NGS-D101 encoder, there may be significant audio synchronization issues. This is further compounded by the lack of audio digital signal processing and delay. Please confirm the requirement for audio from these operator workstations as sources to the Barco CMS emergency management video processing platform.

Response: If concerned about audio synchronization, provide appropriate DSP. If a different DSP is more appropriate, please provide specifications.

50) Referencing Drawing TA602A, this drawing shows the laptop audio output from these workstations uses a Barco NGS-D101 encoder; there may be significant audio synchronization issues. This is further compounded by the lack of audio digital signal processing and delay. Please confirm the requirement for audio from these laptops to be available as discreet audio inputs to the audio matrix system and Barco CMS emergency management video processing platform.

Response: If concerned about audio synchronization, provide appropriate DSP. If a different DSP is more appropriate, please provide specifications.

51) Referencing Drawings TA101 A2 and TA601A, these drawings seem to show a different video wall configuration for the EOC. Drawing TA601A shows a 3x2 video wall driven by one Barco NGP-400 processor whereas TA101A2 shows a 10 displays driven by five (5) Barco NGP-200 output nodes. Please clarify.

Response: TA101A2 represent the total number of displays on the CMS system whereas the video wall shown on TA601A shows only the processor required for the video wall – both are correct just different depictions of the video display.

52) Referencing TA101A3, please confirm whether the Blackbox USB-overCAT5 extenders are to be provided and installed.

Response: AV Vendors are required to provide a turn-key solution.

53) Referencing TA101A2 and TA602A, these drawings both appear to be designing the same audio system for the EOC and surrounding areas. Please clarify whether this is accurate and which drawing is to be used as the basis for design as there are discrepancies between them.

Response: TA602A should be the basis of design.

54) For the Revolabs wireless microphones in the EOC, please clarify microphone types and receiver location within the EOC.

Response: The microphone type was specified as a Shure microphone and the receiver location was in the MDF adjacent to the EOC.

55) Referencing TA101A, this drawings shows multiple, peripheral offices (e.g. EMS Training Officer, etc.) which just an HDMI and CATV connection. These appear to be based on the original, outdated specification. Please clarify scope requirements for these spaces.

Response: You are correct; the original design specified CATV, we have redesigned to an IPTV solution and those specifications have been provided.

56) Referencing the ECC, please confirm there are no audio requirements for this space. Neither the drawings nor the RFP reference audio for the ECC. Please clarify.

Response: Confirmed.

57) Please clarify demarcations related to any additional network connectivity that may be required as part of the updated, network-based video processing platform. For example, if additional network cabling and switch ports, who is responsible for the field cabling, patch panels, rack spacing, switches, etc.

Response: All activities associated with network connectivity should be coordinated through County IT and the Construction Management Team. If additional low voltage cabling is required, the AV Vendor is responsible for a turn-key solution.

58) Please clarify rack and/or space availability within IDF/AV Room 1209. Are headend equipment racks to be provided under this Scope? If yes, is there a standard rack specification including power conditioning, cable management, etc. that is to be included.

Response: Open framed Telco racks will be provided in the MDF as stated in the RFP; the County assumes not less than (6) racks will be required for AV equipment requested. Racks will be provided by the County.

59) Referencing TA102A and Training 2163 and Meeting Room 2142, please confirm requirements of these rooms relative to the Barco CMS video processing platform and IPTV.

Response: Confirmed.

60) Based off of the complexity of the system and the required amount of work needed to provide Catawba County with the best possible solution, would the county consider an extension on the due date?

Response: The County will make a decision about bid extension Friday 6:00 p.m.

61) Can the County confirm that the only device they want available for annotation in the courtrooms is the PC and not include the Doc Cam and BluRay player?

Response: No, the County expects integration of all AV components in each individual courtroom.

62) Can you clarify if Standard AV plate TA503B/1 is an input or output interface?

Response: It is an output plate.

63) How many iPads is the county intending to purchase?

Response: As many as is required.

64) In the EOC center, on the video wall, do you intend to have multiple images on a single screen or dynamic screening?

Response: Yes, both.

- 65) Drawing TA600C is cut off at the bottom in court room 2056. Also, drawings TA600A, TA600B, TA600C and TA600D only show 3 court rooms. At the bid meeting we were shown 5. Can you please provide a full schedule of all rooms that will receive AV?

Response: Please disregard all TA600 series drawings and yes you will be provided a new set of drawings with the release of this addendum showing all courtrooms.

- 66) What equipment is going at the work stations in the EOC center? PC, how many monitors? If they have access to the CATV network, how do they select their programming?

Response: iPad or another controller of some form at their desk?

- 67) What equipment is going at the work stations in the 911 center? PC, how many monitors? If they have access to the CATV network, how do they select their programming? iPad or another controller of some form at their desk?

Response: PC's provided content for the EOC will be provided by the County controllers for the EOC AV technology will be placed in the lectern as specified and will integrate document cameras DVD's , and other AV components as specified. Programming will be selected either through the tablet based queue sidebar and or the controller provided for that location.

- 68) The 911 Call center floor box shows XLR connections. Is it the County's intent to have the ability to put calls over the speaker system in the room? What kind of phone system will there be in the center? (VoIP, POTS, etc.)

Response: Request the AV Vendor provide pricing for one micro pc to be connected to owner provided 24" monitor for each dispatch position located in the ECC. The intended purpose will be for IPTV display.

- 69) Are there locations/TVs where it is desired to have control over CATV content locally? Example: Judges chambers. Do you want them to be able to change TV stations on their own or do they need to contact IT to change between CNN and ESPN?

Response: County Cisco over IP lines and Emergency lines will be Intrado . It is not the county's intent to have the ability to put calls over speaker systems in the 911 Call Center. We no longer require XLR connections in the floor boxes.

- 70) In the courtrooms, are there to be wired AV connections for defense, prosecution, clerk, DA, Judge and other locations that are in the One-Lines or are the only hard wired interface to be at the AV podium as detailed in the blueprint drawings? Or is the intent here to have the content delivered wirelessly?

Response: Where TV is provided in public areas e.g. break room, public lobbies, vending machine room, etc., TV's should be controlled using their provided remote.

71) There exists many discrepancies between the blueprints, the one lines, and the schedules. Could you please advise which documents should be used as the final say in exactly what is going where?

Response: Updated drawings will be provided shortly.

72) In the courtrooms, are there to be wired AV connections for defense, prosecution, clerk, DA, Judge and other locations that are in the One-Lines or are the only hard wired interface to be at the AV podium as detailed in the blueprint drawings? Or is the intent here to have the content delivered wirelessly?

Response: There are hard wire options for all locations in each courtroom as shown in TA101B and TA102B.