Addendum #4 RFI Responses

To: All Possible Proposal Submitters

From: FinePoint Technology, LLC; Legislative Coordinating Commission (LCC)

Project: Minnesota Legislature Television System Acquisition Project – MN State Office Building Equipment Phase 2

Legislative Coordinating Commission

Date: May 14, 2026

Re: Addendum #4 RFI Responses

This Addendum forms a part of and modifies previously issued Contract Documents as indicated below or by attachments. Bidders must acknowledge receipt of this Addendum. Failure to do so may subject the Bidder to disqualification. Drawings and Specification references made below are a general guide only. Bidder must determine for themselves the Work affected by Addendum items.

Instructions/Description/References/Dates

SPECIFICATIONS

1. Section 27 41 16 – Broadcast System Specifications Phase 2 Addendum 4
    a. Revisions indicated

QUESTIONS

1. UPC-3 and UPC-4, Is the Intel E610-XT4 Quad 10GbE NIC in addition to the Intel i350-T4 Quad NIC?
    [LCC Response] Specifications have been revised to indicate that only the Intel E610-XT4 is required, and not the Intel i350-T4, for both [UPC-3] and [UPC-4]. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.NN.3-4)
2. 3.14.B says the letter of warranty should be on the date of Acceptance. but 3.03.D.7.a.10.a says the letter of warranty, beginning on the date of the first trouble-free event operation after Acceptance. Does warranty period start at final acceptance or after the "first trouble-free event operation"?
    [LCC Response] Warranty to commence after the first trouble-free event operation. The Specifications have been revised for clarity. (Refer to revised 27 41 16 Specifications Addendum 4, §3.14.B)
3. 3.13.A says we need to attend "(10) daily uses of the system" however 3.13.D says "At the Owner's discretion and availability, perform Event Support across multiple occasions, days, weeks, or months." Is this in addition to the original (10) days? If so, what is the limit of this discretion?
    [LCC Response] The Contractor shall provide ten days of Event Support. The dates of Event Support may be scheduled consecutively, or not, at the Owner's discretion. For example, the Owner may elect for two days of Event Support the first week of session, five days without, then two days the following week with Event Support, until the total of ten days has been provided. The Specifications have been revised for clarity. (Refer to revised 27 41 16 Specifications Addendum 4, §3.13.D)

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4. Do facility rehearsals qualify as event support, or is all event support meant to pertain to the early 2028 Legislative Session?

   [LCC Response] Event support pertains to the early 2028 legislative session.

5. Section 2.03.A.1.a.4.b.2.d.2.a, Mentions OFOI multiview devices. Do all OFOI multiview devices have baseband inputs or outputs? If not please provide the model and manufacturer of such devices and the quantity so we can account for the conversions.

   [LCC Response] Section 2.03.A.2.d.2.a.3 is referring to [MIV-1] which is OFOI within CAP. No conversion is required, as it supports 1080p59.94 HLG natively. [MIV-1] is ST2110 native.

6. Will the Legislative Coordinating Commission accept a bid as compliant and not disqualify the bidder if the bidder is in the process of acquiring the Minnesota Power-Limited Technician license, shall have the Power-Limited Technician license before any onsite work is scheduled to begin, is currently licensed in 11 other states and will be using a local Minneapolis based company for onsite labor where the local company does have an active Minnesota Power-Limited Technician license.

   [LCC Response] The Legislative Coordinating Commission does not provide legal interpretations of Minnesota licensing requirements through this Q&A process. Bidders are responsible for understanding and complying with all applicable licensing requirements under Minnesota Statute 326B and the rules of the Minnesota Department of Labor and Industry, including any requirements applicable to the bidding entity, its subcontractors, and the individuals performing work on this Project. Bidders should consult MN DLI directly with any questions regarding licensure.

   Bidders are reminded that all licensing required by the Contract Documents and applicable law must be in place and verifiable prior to contract execution. A bidder's plan to obtain a license, or to perform work through a licensed subcontractor, does not relieve the bidder of any licensing obligation applicable to the bidder as the contracting entity.

   https://www.dli.mn.gov/business/electrical-contractors/electrical-codes-and-standards

7. Can we get the following information from the design team?
   Router table
   SDI patch table
   KVM table
   Coms table
   Audio patch table
   LAN table
   I would like to double check these connections against the design that I have developed.

   [LCC Response] These are considered Network Coordination and Shop Drawings, and are to be developed and provided by the Contractor via the Submittal process. (Refer to revised 27 41 16 Specifications Addendum 4, §3.03.D). If referring to Phase 1 as-built documentation of the existing systems, documents will be provided after contract award. (Refer to Addendum 3 RFI Responses, question 27)

8. In the support racks, there are SDI connections that are part of panels. I have made the assumption that these connect to the SOB machine room. If that is so, these rooms would require an additional Fiber transport card to allow for the Cameras. Please validate this assumption.

   [LCC Response] Signals to and from Hearing Room racks require fiber extension. [PLT-USR-4] connects to [FOX-3]. (Refer to House Broadcast Systems Concept and Functional Drawings, B402.16)

9. Please confirm whether the TAG MIV system identified as Owner-Furnished, Owner-Installed (OFOI) requires any additional licensing for Phase 2 implementation, or if all necessary licenses and hardware were procured as part of Phase 1.

   [LCC Response] [MIV-1] is owner-furnished, owner-installed, and includes software licenses as specified. Should additional software licenses be required during the commissioning of this Work, submit a Change Order quote to remedy "defective" OFOI equipment. (Refer to revised 27 41 16 Specifications Addendum 4, §2.04.C.2.b)

10. Please provide the manufacturer, model number, and specifications of all SFP modules installed as part of Phase 1 to support verification of compatibility with the proposed Phase 2 implementation.

    [LCC Response] Contractor shall provide all [SFP-xx] optics for connections to OFOI networks, including within OFOI switches. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.Y; §2.04.B)

11. Please provide additional detail regarding the scope of 'proactive monitoring' referenced in section 3.14, including required performance metrics, monitoring duration, threshold criteria for issue identification, expectations for remediation ownership and response timelines, and confirmation that the awarded vendor will be provided the necessary access and permissions to relevant network systems and monitoring tools to perform this function.

    [LCC Response] The Contractor shall warranty the performance of the network systems beyond typical Owner "break-fix" incident reports. Contractor shall be provided persistent access to periodically check network performance during the Warranty period, to ensure it continues to operate as designed and commissioned, while under the normal stress load of a legislative session. Contractor remote access shall include switch fabric controllers, SNMP device monitoring systems, switches, network routers, etc.

12. Please confirm whether the existing fiber infrastructure implemented in Phase 1 is single-mode or multi-mode, to support compatibility with the proposed Phase 2 design.

    [LCC Response] Single-mode fiber optics ("SMFO"). (Refer to House Broadcast Systems Concept and Functional Drawings, B401.3)

13. Specification CC.4a (Page 78) identifies RTR-1 for 'CAP' as existing Owner-Furnished, Owner-Installed (OFOI), and Specification CC.4j.6a (Page 82) identifies RTR-3 as existing OFOI at the MSB. Please confirm whether all required licensing associated with these systems is also designated as Owner-Furnished, Contractor-Installed (OFCI).

    [LCC Response] All licensing specified for [RTR-1] and [RTR-3] is OFOI and currently applied to each respective system. [RTR-2] licensing is CFCI. [RTR-SNMP] is CFCI. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.CC.4-6)

14. Please provide details on the available fiber capacity from each room location to the main data center, including the number of strands currently available for use.

    [LCC Response] Contractor shall assume that OFOI campus and building fiber described in the drawings is indicative of sufficient available strands for Contractor use. If found deficient, additional fiber between these locations will be OFOI. Contractor shall provide all patch cables. (Refer to House Broadcast Systems Concept and Functional Drawings, B401.0, B401.3)

15. Please provide details on the available fiber capacity between the OG223 data center and the OG125 TV Equipment Room, including the number of strands currently available for use.

    [LCC Response] Per drawing B401.0, 36 strands of MM OM4 and 288 strands of SM OS1. Contractor shall assume that OFOI campus and building fiber described in the drawings is indicative of sufficient available strands for Contractor use. If found deficient, additional fiber between these locations will be OFOI. Contractor shall provide all patch cables. (Refer to House Broadcast Systems Concept and Functional Drawings, B401.0)

16. Please provide the number of Category cable runs available for use between the OG223 data center and the OG125 TV Equipment Room.

    [LCC Response] No CAT5 or greater circuits are provided between these two rooms.

17. Please confirm whether the existing NDFC deployment is configured as a clustered environment or a single-server instance.

    [LCC Response] The existing NDFC is deployed as a single server instance.

18. Please confirm whether the Phase 2 implementation is expected to introduce a new fabric within NDFC or expand the existing fabric.

    [LCC Response] The Contractor shall expand the existing fabric already monitored and controlled within NDFC.

19. Please provide details on the connection path between the existing NDFC management fabric and the proposed new stack.

    [LCC Response] The OFOI [NDFC-1] installed in CAP has four network interfaces: one on the OOB MGMT network, one on the broadcast Control VLAN, one on the Media-over-IP red network, and one of the Media-over-IP blue network. Extensions to the network fabrics, as described in the Specifications and Drawings, will inherently allow the [NDFC-1] to monitor and control the new SOB switches. The OOB MGMT network is extended from the CAP via a CFCI [NETSW-21] within SOB 0G125 Equipment Room. (Refer to House Broadcast Systems Concept and Functional Drawings, B402.2)

20. The drawings indicate 10/25Gb connectivity into the specified management core (C9500-32QC-A); however, this model supports only 40/100Gb QSFP interfaces and does not support breakout configurations (e.g., 4x10Gb or 4x25Gb). Please confirm the intended design approach to support 10/25Gb connectivity, including whether a different switch model is required.

    [LCC Response] C9500-32QC-A is [NETSW-4]. Drawing B402.3 shows only 40G connections to/from [NETSW-4]. 25G connections are shown for the Hearing Room switches, between [NETSW-3] and [NETSW-11], and both are capable of 25G with the appropriate expansion modules [NETSW-NM8Y]. (Refer to House Broadcast Systems Concept and Functional Drawings, B402.3)

21. The TAG servers do not utilize 25Gb connectivity. Please confirm the intended interface configuration for the MCM servers, including whether they are to be equipped with two dual 100Gb interface cards to align with the proposed design.

    [LCC Response] All connections to/from OFOI [MIV-1] are existing and attached to the existing fabric in CAP. Each [MIV-1] server is currently configured for a 25G connection to the broadcast Control VLAN, 25G to the Cam Ctrl/NDI VLAN, and 100G to the Media-over-IP red and blue networks. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.T)

22. There is an intention to use the Ross Ultrix FR12 router which is OFOI equipment. We will need to know all the line items that are included with this product to validate if there is a requirement for purchase for the SOB installation.

    [LCC Response] All hardware, software, and licensing specified for [RTR-1] and [RTR-3] is OFOI within each respective system. [RTR-2] hardware, software, and licensing is CFCI. [RTR-SNMP] is CFCI. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.CC.4-6)

23. Phase 1 Interface Pricing Basis: Addendum 3 confirms that Phase 1 drawings and documentation will be provided after award for reference only, and that the current RFP drawings/specifications describe the required Phase 1 interface requirements. For bid pricing purposes, please confirm that bidders should base all Phase 2 interface pricing on the published RFP documents, addenda, and listed OFOI interface requirements, and that undisclosed Phase 1 documentation provided after award will not introduce additional scope beyond the published bid documents.

[LCC Response] Confirmed. The published RFP contract documents, alone, describe the scope of Work. Undisclosed Phase 1 documentation will not be referenced in the contract between the Owner and Contractor, nor do they construe any scope related to this Work.

24. SOB Technical Space Access: Addendum 3 states that bidders should assume all HPIS technical spaces will be ready no later than January 1, 2027. For bid scheduling purposes, should bidders assume no physical installation access to SOB technical spaces prior to that date, or may limited early access be coordinated after award for activities such as field verification, equipment room layout verification, rack delivery, or non-disruptive pre-installation coordination?

    [LCC Response] Access to spaces can happen prior to January 1, 2027. Early access can be coordinated after award.

25. Hearing Room AV Rack Capacity / Broadcast Equipment Coordination: Several hearing room broadcast devices appear to be installed in or coordinated with AV rack locations, including network switches, sync distribution, frames, and rack sensors. Please confirm that the OFOI/AV rack locations shown in the drawings will have sufficient RU space, power, ventilation, and pathway access for the specified broadcast equipment. If available capacity varies by room, please provide the intended rack location or available RU/power allowance for broadcast-installed equipment.

    [LCC Response] Sufficient space, power, and ventilation is confirmed, along with pathways to equipment.

26. OEM Professional Services: Please confirm that bidders are to include all required OEM professional services necessary for configuration, commissioning, and integration of the specified systems, including Ross Video services related to Ultrix/Ultricore, switchers, control panels, custom Rocket Surgery panel modifications, robotics/control integration, tally, and system commissioning. If any OEM professional services are Owner-carried or excluded from bidder pricing, please identify those services.

    [LCC Response] Contractor shall provide all required OEM professional services necessary for configuration, commissioning, and integration of the specified systems, including Ross Video services related to Ultrix/Ultricore, switchers, control panels, custom Rocket Surgery panel modifications, robotics/control integration, tally, and system commissioning. (Refer to revised 27 41 16 Specifications Addendum 4, §2.07)

27. Option 13 COB Demo / Removed Equipment Disposition: For Option 13, please clarify the required disposition of removed COB broadcast equipment. Should bidders assume removed equipment is to be inventoried and turned over to the Owner, disposed of as e-waste/recycling, or becomes contractor-managed salvage after removal? If the Owner intends to retain certain equipment, please provide the expected retained equipment list or disposition criteria

    [LCC Response] Should this option be elected, removed equipment from the COB shall become Contractor-managed salvage. The Contractor, at their discretion, may also appropriately e-waste/recycle the equipment. Some equipment may be retained by the Owner, and will be tagged as such or removed by the Owner prior to demo. Storage devices (hard drives, memory cards, etc) may need to be destroyed prior to assignment.

28. Dante / AES67 Scope and Configuration Responsibility: Please provide the expected Dante/AES67 channel count, bridge locations, network demarcation, naming convention, and ownership of Dante Controller configuration. Please confirm whether the contractor is responsible only for new bridge devices or also for routing/naming updates within the existing Owner Dante environment.

    [LCC Response] Contractor is not responsible for excessive routing/naming updates to OFOI Dante devices. Contractor shall fully commission all CFCI equipment. Dante Network audio flows shall be converted to/from AES67 through an audio interface [AIF-1] (supporting 128x128 channels for audio VLAN, and 64x64 channels for intercom VLAN) connected to the Media-over-IP Network Fabric. (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.B.1)

29. OFOI Network Configuration Responsibility: Please confirm who is responsible for making changes to existing OFOI network infrastructure, including Cisco/NDFC configuration, VLAN trunks, multicast routing, NMOS, PTP, firewall rules, and switch port provisioning. Should bidders include labor for configuration changes inside existing OFOI systems, or will those changes be performed by the Owner/Owner's network team under contractor direction?

    [LCC Response] The Contractor shall make any and all configuration changes to the OFOI network required to install and commission systems included in this Work.

30. Owner-Approved Reference Photos for SOB Broadcast Spaces: During the mandatory site visit, bidders were instructed not to take photographs within the State Office Building. It was also mentioned that photos or additional visual documentation could be requested through the formal RFI process. For bid pricing, coordination, and installation planning purposes, please provide Owner-approved reference photos of the broadcast-related SOB spaces, including but not limited to the HPIS Studio, Equipment Room 0G125, Production Control Rooms 1–6, Engineering Workroom, Press Conference Room, hearing room AV rack locations, cable tray/pathway areas, floor box/rough-in locations, and any other broadcast scope areas the Owner or Design Consultant deems relevant. If photos cannot be provided, please confirm that bidders should rely solely on the issued drawings, specifications, addenda, and site visit observations for pricing, and that no additional pre-bid visual documentation of the restricted SOB spaces will be made available.

    [LCC Response] Photos can be accessed at the link provided – rooms are in various states of construction:
    https://finepointtech.sharepoint.com/:f:/s/FinePointClients/IgBTPzUOUBu_Qob2CwMGdumzAT0S8bbvQ7ovXsJzcnDyDQw?e=bkCFJR

31. Insurance Requirement: The RFP identifies the requirement for the selected bidder to provide acceptable evidence of compliance with Minnesota worker's compensation insurance requirements. Please confirm whether there are any additional insurance coverage requirements, minimum limits, certificate holder requirements, or additional insured endorsements that the selected bidder and/or subcontractors must provide prior to contract execution or onsite work.

    [LCC Response] The LCC does not have additional insurance requirements beyond those specified in state law, Minnesota Statute 176.182. Nothing in this response modifies the requirements of the Contract Documents or applicable law.

32. Prevailing Wage Classification Guidance for Broadcast / Low-Voltage Scope: Addendum 2 confirms that prevailing wage is required for this project. For bid pricing and compliance planning purposes, please confirm whether the Owner, Construction Manager, or Design Consultant will provide a project-specific wage determination or classification guidance for the broadcast/low-voltage scope of work. If no project-specific classification guidance will be provided, please confirm that bidders are responsible for determining the applicable Minnesota Department of Labor and Industry prevailing wage classifications based on the actual work performed.

    [LCC Response] The Legislative Coordinating Commission has incorporated the applicable prevailing wage determinations issued by the Minnesota Department of Labor and Industry into the Contract Documents as required by Minnesota Statute 177.43.

    Beyond those determinations, neither the Owner, Construction Manager, nor Design Consultant will issue project-specific wage classifications or interpretations for any scope of work, including the broadcast and low-voltage scope. Each contractor and subcontractor is responsible for determining the applicable Minnesota Department of Labor and Industry prevailing wage classifications based on the actual work performed, in accordance with

Minnesota Statutes 177.41 to 177.44 and Minnesota Rules 5200.1000 to 5200.1120 (including the classification descriptions at Minnesota Rules 5200.1101 and 5200.1102).

Bidders should consult MN DLI directly with any classification questions.

Nothing in this response modifies the requirements of the Contract Documents or applicable law.

33. Prevailing Wage Applicability to Project Management / Professional Services: Addendum 2 confirms that prevailing wage is required for this project. For bid pricing and compliance planning purposes, please confirm whether project management, scheduling, procurement coordination, submittal management, RFI/change management, meeting attendance, project reporting, and other administrative/professional services should be treated as non-prevailing-wage professional services when those personnel are not performing onsite construction or installation labor. Please also confirm that if project management or supervisory personnel perform onsite construction or installation labor, those hours should be classified according to the actual work performed under the applicable Minnesota Department of Labor and Industry prevailing wage classification.

    [LCC Response] The Project is subject to Minnesota's Prevailing Wage Act, Minnesota Statutes 177.41 to 177.44, and corresponding Minnesota Rules 5200.1000 to 5200.1120. As provided by statute, prevailing wage requirements apply to laborers, workers, and mechanics performing work on the Project. Work classifications and applicable rates are established by the Minnesota Department of Labor and Industry.

    Each contractor and subcontractor is solely responsible for proper classification of its personnel and proper payment of prevailing wages under applicable law, including determination of which hours and activities are subject to prevailing wage requirements based on the actual work performed. The Legislative Coordinating Commission does not provide binding classifications of specific job titles, activities, or personnel through this Q&A process. Bidders should consult MN DLI directly for classification guidance.
    Nothing in this response modifies the requirements of the Contract Documents or applicable law.

34. Invoicing / Payment Application Requirements: The RFP states that the selected bidder will invoice for services provided at periodic intervals and in an agreed format as negotiated, and that payment will be made on a negotiated periodic basis after receipt of billings with appropriate verification of work time and satisfactory completion of tasks to the billing date. For proposal preparation purposes, please confirm whether the Owner has a preferred invoicing schedule and format, such as monthly progress billing, milestone-based billing, or another payment application structure. Please also confirm whether bidders may propose an invoicing schedule as part of the bid response, subject to final negotiation with LCC after award.

    [LCC Response] The LCC would prefer a monthly invoice schedule for standardization purposes, but any invoice schedule will be subject to final contract negotiations.

35. Are current and legacy drawings available for previous broadcast equipment installations?

    [LCC Response] (Refer to Addendum 3 RFI Responses, question 27)

36. Will the HVAC system have sufficient capacity to support the new equipment?

    [LCC Response] FinePoint has calculated the imposed heat load of this scope and coordinated with the GC & MEP design firm.

37. Clarification needed on exclusions (see page 8).
    [LCC Response] Systems listed within the Exclusions specified in §1.02.C.2 are OFOI. (Refer to revised 27 41 16 Specifications Addendum 4, §1.02.C.2)
38. Are we required to use the specified equipment choices (see page 28)?
    [LCC Response] Bids will be evaluated based on their "...Adherence to the design criteria. Inclusion of all (and only) specified equipment, materials, and labor. Inclusion of all ancillary and auxiliary components required for a complete system and to provide a clean, professional installation." as well as "Appropriate inclusion of preapproved substitution requests." (Refer to revised RFP, pg 8)
39. No mention of new power backup UPS systems—will the OFE APC UPS units provide sufficient power for the new equipment?
    [LCC Response] SOB technical power circuits are protected by a whole-building UPS unit and generator. UPS in CAP and MSB are OFOI.
40. Will we utilize the available empty rack space (B301.8 and B301.9)? Will the new equipment be installed in the existing racks?
    [LCC Response] New equipment need not be installed in CAP B883 East Telco. Drawing included to provide context as to the location of [PLT-CATV-1], [MOD-1], and [MOD-2]. (Refer to Capitol Systems Drawings, B301.8-9)
41. Is there a preferred electrician for this project?
    a. ***[LCC Response] No electrical work is expected to be needed by the Contractor. All electrical work is OFOI, provided by the base building project.***
42. Since the owner is responsible for most long fiber/cable runs, is there a cable schedule available?
    a. ***[LCC Response] Contractor shall assume that OFOI campus and building fiber described in the drawings is indicative of sufficient available strands for Contractor use. If found deficient, additional fiber between these locations will be OFOI. Contractor shall provide all patch cables. (Refer to House Broadcast Systems Concept and Functional Drawings, B401.0, B401.3)***
43. Please clarify the Broadcast Contractor's responsibilities for fiber infrastructure. Based on drawing C3 - Campus Fiber, found in the House- Broadcast - Systems- Concept and Functional - Drawings, please clarify which, if any, of these interconnects are the Broadcast Contractor's responsibility. Please outline any requirements for specific products, and methods including types of fiber cabling, fiber patching, and breakouts to match any facility standards.
    a. ***[LCC Response] Fiber infrastructure shown in House Broadcast Systems Concept and Functional Drawings, B401.0 and B401.3 is OFOI. Fiber cabling, patching, and breakouts not specifically defined shall be deemed "Installation Materials". (Refer to revised 27 41 16 Specifications Addendum 4, §2.08)***
44. Only keyed note 14 explicitly says "existing." Every other strand count on the SOB riser diagram (notes 1–13, 15, 16) is ambiguous. The "FOR REFERENCE ONLY" stamp on the sheet adds to the ambiguity — is this an existing condition survey, the design intent for what will be there at bid time, or new fiber the broadcast contractor is supposed to install? Ask: For each keyed note on B401.0, confirm whether the strand count represents (a) existing OFOI fiber that will be in place at the start of broadcast work, (b) OFOI fiber that the Owner will install before the broadcast contractor mobilizes, or (c) new fiber to be furnished and installed by the broadcast contractor under §1.02.C.1.
    a. ***[LCC Response] Fiber infrastructure shown in House Broadcast Systems Concept and Functional Drawings, B401.0 and B401.3 is OFOI and will be available by January 1, 2027. Drawings represent the fiber infrastructure provided by the Owner via the base building general contractor. Fiber is available for this Contractor's use. Keyed note 14 refers to an existing OFOI***

campus fiber truck that is being rerouted into the building by the Owner. (Refer to House Broadcast Systems Concept and Functional Drawings, B401.0, B401.3)

45. Definition of "supplemental" in §1.02.C.1.a.14: The word supplemental implies adding to an existing base. Without our last RFI answered, the contractor cannot scope what is "supplemental" vs. what is base. Ask: Define the baseline against which "supplemental" is measured. Is the baseline the strand counts shown on B401.0, the campus OFOI strands shown on B401.3, or some other documented existing-conditions package the owner will share before award? Will the owner provide a survey or as-built record of existing TR-room fiber by floor before bid close? Ask: For each keyed note on B401.0, confirm whether the strand count represents (a) existing OFOI fiber that will be in place at the start of broadcast work, (b) OFOI fiber that the Owner will install before the broadcast contractor mobilizes, or (c) new fiber to be furnished and installed by the broadcast contractor under §1.02.C.1.
    a. ***[LCC Response] Fiber infrastructure shown in House Broadcast Systems Concept and Functional Drawings, B401.0 and B401.3, is OFOI. "Supplemental" fiber patch cables to extend from these demarcated locations to point-of-use equipment is the responsibility of the Contractor.***
46. OFOI fiber demarcation points and connector / pigtail responsibility: §1.02.C.2.a.6 says OFOI campus fiber goes "to/from designated demarcation locations." The drawings name MPOP rooms (SOB 0G211, COB MPOP, MSB MPOP) and CAP East/West Telco as demarc points. What's not specified: whether OFOI fiber arrives at the demarc terminated in panels (LC/MPO), pre-pigtailed loose, or as bare ends needing termination. Ask: Confirm OFOI fiber will be delivered to each broadcast demarc fully terminated in patch panels with documented strand mapping, including connector type (LC duplex / MPO-12 / MPO-24) and polarity scheme. If not terminated, clarify who is responsible for splicing, pigtail provision, and certification.
    a. ***[LCC Response] Fiber infrastructure shown in House Broadcast Systems Concept and Functional Drawings, B401.0 and B401.3, is fully fusion spliced to pigtails, terminated into patch enclosures, and mapped by the Owner. Termination types are among typically available connectors (LC, LC duplex, SC, and SC duplex; UPC and APC).***
47. Accessibility scope partition: RFP §2 pg 4; RFP §3 item 3 pg 7; Add. 2 RFI #3 Confirm the following partition of accessibility scope: (a) WCAG 2.0 AA applies to public-output digital deliverables — captioning embedded in public output (§2.03.A.2.g, §2.05.I), streaming encoder [EDC-1] (§2.05.K.1), public stream and archive endpoints, web-published content. (b) Section 508 (2018 ICT Refresh) Chapter 5 Software & Chapter 6 Documentation applies to operator-facing software UIs (router/multiviewer/fabric-controller GUIs, KVM management software, monitoring software) and training materials / user manuals. (c) Section 508 Chapter 4 Hardware applies to operator-facing physical control surfaces — specifically does the full §407 suite (Operable Parts) apply, including §407.2 Contrast, §407.3 Operable Parts (force, one-handed operation, no tight grasping/pinching/twisting), §407.4 Keypad Controls (tactile identification on numeric keys), §407.6 Operable Parts Discernibility (tactilely discernible without activation), §407.7 Operable Parts Visibility, §407.8 Reach Height and Depth — and the related §408 Display Screens, §409 Status Indicators (status conveyed by more than color alone), and §412 Two-Way Voice Communication, to the following equipment: router/switcher control panels ([RCP-1], [RCP-2], [RCP-3], [SWCP-2S]), audio mixer surfaces ([AMIX-1] Calrec Type-R), intercom keypanels and beltpacks ([ICKP-1] through [ICKP-5]), keyboards ([KB-1], [KB-2], [KB-11]), and any other physical operable parts in operator spaces.
    a. ***[LCC Response] Yes, there are two important prongs of accessibility. First, under recent state law and interpretation of the ADA, digital materials (captioning, e.g.) must be accessible for both the public and employees. The current state standard is WCAG 2.1 AA. Second, as an employer, the Legislature must make reasonable accommodations for employees under the ADA and comparable state law. This includes both digital tools and their physical workspace.***

48. The design indicates the use of hot aisle containment within the rack room. Please clarify the following: Exhaust Routing. Where is the hot air exhaust from the containment system intended to be discharged? Is the exhaust to remain within the rack room, or is it required to be ducted to a return plenum or removed from the space entirely? Scope Responsibility. Is the AV contractor responsible for providing any means of removing hot air from the containment system (e.g., ducting, tie-in to HVAC, or exhaust systems)? Or is this work to be provided under Division 23 (Mechanical)? Supplemental Cooling / Air Movement. Are supplemental fans, active chimney systems, or ducting required as part of the hot aisle containment solution? If so, please confirm responsibility and any performance criteria (CFM, temperature limits, static pressure, etc.). Coordination Requirements. Are there specific coordination requirements with the building HVAC system (returns, CRAC units, or ceiling plenum)? Please provide any applicable design criteria or basis of design for thermal management within the rack room.
    a. ***[LCC Response] SOB 0G125 Equipment Room contains six OFOI CRAC cooling units provided by base building Div 23, each taking in a hot-air return and providing a cold supply. The aisle containment system is intended to separate the hot-air return air from the cold supply throughout the room, to allow for proper circulation of cold air through the equipment. Ducting, supplemental fans, active chimney systems, etc. are not required. Contractor shall coordinate installation with Div 23 contractor(s).***
49. For the implementation of the SMPTE ST 2110 network, please clarify the following regarding the existing Cisco switching infrastructure: Configuration Availability. Will the existing running configurations (e.g., show running-config) for the Cisco switches be made available to the awarded contractor? ST 2110 Network Design Coordination. Will current configurations include required parameters for ST 2110 operation such as: Multicast (PIM, IGMP Snooping/Querier); QoS policies (DSCP marking, queuing); PTP (IEEE 1588) configuration; VLAN segmentation and trunking. If not, is the contractor expected to develop and implement these configurations? Level of Responsibility. Is the contractor responsible for: Modifying existing switch configurations? Uploading/validating configuration changes? Full commissioning of ST 2110 network fabric? Or will this be performed by Owner IT / third-party network integrator? Access and Permissions. Will administrative access (read/write) to switches be provided? Are there cybersecurity or change management requirements governing configuration updates?
    a. ***[LCC Response] Configurations will be made available with the Phase 1 documentation after award. Current configurations are also available to the Contractor once admin/root credentials are provided by Owner and full access to the systems have been granted. The existing systems are properly configured with effective multicast management (PIM, IGMP), QOS & PTP prioritization, and VLAN segmentation. The Contractor shall thoroughly review the existing configurations, modify as required, and develop configurations for new CFCI equipment to create a unified network fabric. Contractor shall maintain their own cybersecurity and change management policies.***
50. The roof antenna system appears to require a media converter and PoE++ power injection to support the connected equipment. Please clarify the following: Approved Manufacturers / Basis of Design. Has the make and model of the required: Ethernet-to-fiber media converter, and 802.3bt PoE++ injector (95W or as required) been determined as part of the design? Performance Requirements. If specific manufacturers have not been identified, please confirm the required: Fiber type (single-mode vs multi-mode); Distance requirements; Bandwidth (1G / 10G); Environmental rating (outdoor / rooftop rated, temperature, NEMA enclosure, etc.). Integration Requirements. Are these components intended to be: Installed within an outdoor-rated enclosure at the roof, or Located within the interior telecom / rack room?
    a. ***[LCC Response] See [SYNC-1], which includes "GOAL-S GPS Optical Antenna Link Pair". See [TUNER-1], which requires an "ATSC antenna, with fiber extension to and mounted near GPS antenna location. "The Contractor shall develop a method and means for properly integrating***

all equipment into a complete and fully-functional system. Collectively, any additional equipment, cabling, terminations, hardware, pieces, parts, assemblies, components, adapters, or similar required to meet the specified requirements shall be described as "Installation Materials" and provided." (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.GG.2, §2.05.LL.1, §2.08)

51. The roof antenna scope requires pathway routing from the building interior to the rooftop. Please clarify the following: Existing Infrastructure. Has a dedicated roof penetration and weatherhead been provided as part of the base building construction? If so, please confirm location, size, and availability for use by the AV contractor. Scope Responsibility. Is the AV contractor responsible for: Providing a new roof penetration, and Installing a weatherhead and associated waterproofing? Or is this work to be performed under Division 07 (Roofing) / Division 23 (Mechanical) / General Contractor? Design and Coordination Requirements. If the AV contractor is responsible, please provide: Approved roof penetration details; Roofing manufacturer requirements for maintaining warranty; Flashing, sealing, and weatherproofing standards; Permits and Inspections. Are there specific roofing, structural, or inspection requirements associated with creating a new roof penetration?
    a. ***[LCC Response] Exterior wall penetration(s) is(are) required on the roof between the antenna location and the OFOI junction boxes. "Install a junction box and conduit from the antenna location to the designated interior penetration location. Ensure a weathertight seal." (Refer to House Broadcast Systems Concept and Functional Drawings, B101.17) (Refer to revised 27 41 16 Specifications Addendum 4, §2.05.GG.2.j.2)***
52. Per Drawing B401.1, copper cabling is indicated between location OG125 and the TV control rooms. Please confirm the following: Termination Method: Should all horizontal copper cabling be terminated to standard rack-mounted horizontal cross-connect (HCC) patch panels at both ends, or are specialty rack plates (e.g., EtherCON or ruggedized connectors) required at either location? Connector Type at Equipment Locations: If specialty connectors (such as EtherCON) are required, please identify specific locations and quantities where these are to be provided. Patch Cord Requirements: Should patch cords be provided at both ends of each terminated cable (patch panel to active equipment) on a 1:1 basis? Turnover / Spare Patch Cords: Is there a required percentage of additional spare (turnover) patch cords to be included beyond active ports? If so, please confirm the percentage.
    a. ***[LCC Response] Drawing B401.1 is a concept drawing. Conceptual drawings do not convey cabling, they convey logical associations depicting workflows. This drawing depicts the general signal flow of hearing room audio sources to control rooms.***
53. Please confirm whether the lighting control system is required to interface with the broadcast system for any of the following: Preset recall triggered by broadcast or control system; Shared or centralized control via an AV control platform; Lighting response based on broadcast status (e.g., on-air, camera tally, etc.). If integration is required, please provide: Required control interface type (contact closure, network protocol, API, etc.); Responsible system/vendor for providing interface hardware and programming; Locations and quantity of required interface points.
    a. ***[LCC Response] The OFOI lighting control system within SOB 0G102 Studio does not interface with this Work.***
54. 13.4.A.5 - Please define "proacitvely" in terms of response time and frequency. Does the SI provide a person to proactively monitor the system or shall the state provide a person to monitor?
    a. ***[LCC Response] See question 11 above.***
55. What is the intended source for the LED wall in the studio?
    a. ***[LCC Response] [LED-#] will display content originating in one of the Control Room switchers, using an aux output routed to the LED processor input. Content will include clip playback, full-screen and over-the-shoulder graphics, DVE boxes, etc.***

PRODUCT SUBSTITUTIONS

1. Novastar MX2000 w/ CVT-10 is an approved item.

END OF ADDENDUM