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ADDENDUM NO. 1.0

Date: 08/15/2023

Issued by: Sacramento City Unified School District

Project: **Project #: 0163-464**
John Cabrillo ES Telecenter Upgrade Project

This addendum shall supersede the original Information, attachments, and specifications regarding Project No.**0163-464** where it adds to, deletes from, clarifies or otherwise modifies them. All other conditions and any previous addenda shall remain unchanged.

Part A – Bidding and Contract Requirements

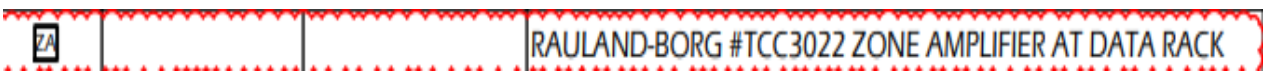
AD 1.10:

Question: How to keep the analog speakers operating during the transition.

Answer: Reference Sheet E1.2 – section "Phasing"-

1. **The contractor shall install the #tcc2000, #tcc2033, and #tcc2055 at the head end and #tcc2045 in the office. Temporarily mount equipment in the existing MDF or on the Existing backboard during the transition if needed. Program and test the head end equipment and verify it functions as intended.**
2. **Remove all analog head end equipment except the Amplifiers. Provide and install two Rauland Borg #tcc2022 Zone paging modules to convert the IP signals to analog Signals. Connect the output of the modules to the existing amplifiers and test the system. The system shall be functional before the next school day.**
3. **Provide, install, program, and test all switches, ups, patch Panels, and patch cords.**
4. **Convert one wing at a time from analog to IP. Disconnect All existing speakers and clocks in the wing being converted at the start of the conversion. Install new cables, clocks, and speakers and/or horns. All cables shall be tested before Use. Perform all programming. Test the system. The system Shall be functional before the next school day.**
5. **Once the entire school is converted from analog to IP Disconnect and remove all amplifiers and unused 66-blocks and analog wiring. Return the #tcc2022 zone paging Modules to the district. Relocate any headend equipment Installed outside of the head end equipment rack to the Head end equipment rack. Provide final programming and System testing.**

Also reference Sheet E1.2 – section "Clock, Speaker, And Horn Legend"-



AD 1.11:

Question: On page 60 of the specifications, it calls for a, "Cisco #C9300L-48PF-4X-EDU [switch] with Cisco #PWR-C1-1100WAC-P and Cisco #PWR-C1-350WAC-P power supplies". Please note the Cisco 9300 Series switches ship with (1) power supply by default, as noted below. With this in mind, can the District please confirm if the (2) additional power supplies are still required to be contractor furnished and installed?

Power supplies

Cisco Catalyst 9300 Series switches support dual redundant power supplies. The switches ship with one power supply by default, and the second power supply can be purchased when the switch is ordered or at a later time. If only one power supply is installed, it should always be in power supply bay #1. The switches also ship with three field-replaceable fans. Power Supplies are common across the Catalyst 9300 Series.

Figure 4.
Cisco Catalyst 9300 Series Dual Redundant power supplies

The plans and specifications do not call for any SFP/SFP+ fiber optic transceivers for the new Cisco switches mentioned above. The only connectivity called for is a Cisco Twinax direct attach copper cable (Part# SFP-H10GB-CU1M). It is presumed these new switches will be stacked via this cable to the existing Cisco switches. If that is not the case, can the District please clarify the following questions:

a. The part number and quantity of Cisco SFP/SFP+ transceivers required. *Please note this campus appears to be fed by multi-mode fiber*
b. The part number and quantity of any other Cisco network-related components (i.e., stacking cables, stacking modules, etc.).

Answer:

- The power supplies listed are the total power supplies required.

- Provide and install one Cisco C9300-NM-2Y SFP module in each new switch in each IDF and one Cisco C9300-NM-8X SFP module in the Head End switch.

- Provide and install one Cisco SFP-10G-LR single-mode transceiver and one Cisco SFP-10G-LRM multi-mode transceiver in each new switch in each IDF.

- Provide and install one Cisco SFP-10G-LR single-mode transceiver for each IDF with single-mode fiber optic cable and one Cisco SFP-10G-LRM multi-mode transceiver for each IDF with multi-mode fiber optic cable in the Head End switch. Provide one Cisco SFP-10G-LR single-mode transceiver to the District for each IDF with multi-mode cable.

- Verify model numbers with the District prior to ordering. Provide and install patch cables compatible with the transceivers and existing fiber adapter panels at each IDF and for each IDF at the MDF. For each multi-mode patch cable, provide the District a single-mode patch cord per specifications.

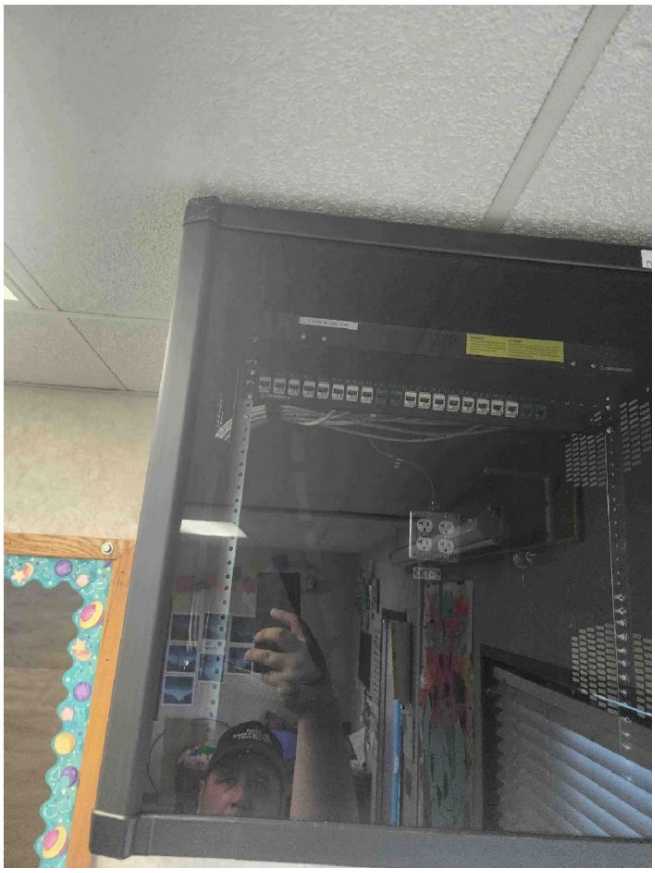
Note: All IDFs appear to have multi-mode fibers to the MDF except for IDF P06, verify prior to ordering – see photos:

IDF D

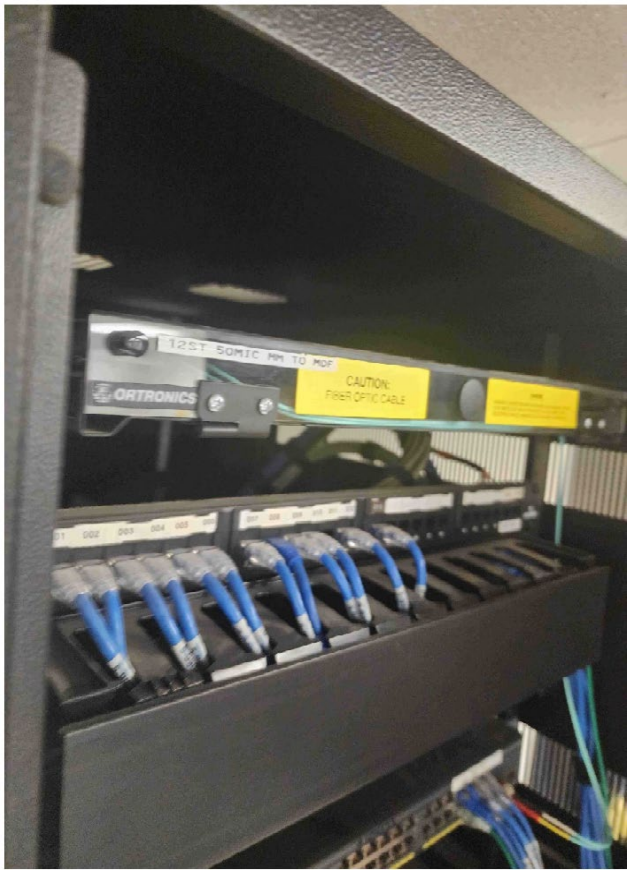
IDF E

IDF P02

IDF P06



IDF P08



AD 1.12:

Question: During the site walk, it was noticed that certain MDF/IDFs may have an adequate number of switch ports and patch panel ports to accommodate for the new CAT 6A drops on this project. Having said that, can the District please clarify the following questions:

a. If a sufficient number of patch panel ports exist, are contractors permitted to utilize existing patch panels in lieu of providing a new one? This will represent a cost savings to the District.
b. If a sufficient number of switch ports exist, are contractors permitted to utilize existing switch ports in lieu of providing a new one? This will represent a significant cost savings to the District.
c. If yes to the above, is the District able to advise which MDF/IDFs will require new patch panels and/or switches to help facilitate an apples-to-apples proposal from all bidding contractors?
d. If not, is it correct to assume that new patch panels and switches will be required for all MDF/IDFs regardless of how many ports are available?

Answer:

The District wants the PA LAN to be separate from the Data LAN except for the connection at the head end/MDF.

AD 1.13:

Question: On sheet E1.2, the plans call for new UPS battery backups to be contractor furnished and installed (Part #'s SU1000RTXLCD2U and SU1500RTXLCD2U). On page 38 of the specifications, it calls for "Provide and install Cat-6a connection from UPS data port to LAN". However, no network accessory cards have been called for in the plans or specifications. These units have the option of installing a network interface to achieve Ethernet connectivity (shown below). Having said that, can the District please clarify if network interface cards are required for these UPS battery backups? If so, please provide the part number and quantity of units required.

Answer:

Provide one WEBCARDLX in each UPS.

AD 1.14:

Question: During the site walk, it was mentioned that the District has been working on an "order of operations" gameplan that will directly impact how contractors are to proceed with the installation, configuration, and demolition of the new and existing intercom systems. To be specific, there's a possibility the new and existing intercom systems might be able to operate concurrently, which will reduce the amount of labor required by contractors to perform a successful installation:

a. Is the District able to clarify if contractors will be able to install the new clock/speaker units and tie them into the existing system to avoid any downtime? This would be ideal since contractors would be able to rough in cable, remove the existing units, install the new clock/speaker units, configure them to work, and then demolish the existing cabling/units in one pass without having to return to the same room(s) multiple times to perform these tasks.
b. If this is not possible, is the District able to clarify the proposed "order of operations" that contractors are to follow during this project.

Answer:

See answer to AD 1.10.

AD 1.15:

Question: During the site walk, it was mentioned that bid results will be published prior to the other project bid times so contractors can adjust bids as needed to stay competitive. Please advise if this is still the case.

Answer:

Bid due dates are published in bid documents.

AD 1.16:

Question: During the site walk, it was mentioned that all existing clocks (except the master clock) are to be returned to the District and speakers are to be disposed of by the contractor. Please confirm if this is still the case.

Answer:

The District holds the right to salvage.

AD 1.17:

Question: Please advise if the contractor is to provide and install (1) or (2) new CAT 6A cables for these new clock/intercom/speaker units.

Answer:

Combination clock-speakers (ACC1480 speaker, TCC3011S clocks/message board, and accessories) require only one data drop. For locations with horns mounted by TCC3012L clocks/message boards both the horn and the clock require their own dedicated data drop.

END OF ADDENDUM NO. 1.0

Acknowledgement of this Addendum will be required at time of bid.