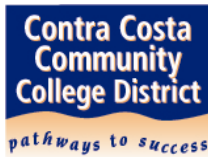


ADDENDUM #2



CONTRA COSTA COMMUNITY COLLEGE DISTRICT

D-4029 – LIBERAL ARTS AV UPGRADE

Date: April 25, 2022

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

A. Deletions, Additions, Changes, Revisions

1. Add Exhibit D Bill of Materials to set.

B. Questions and Answers

1. What material will be OFCI and what will be CFCI:
 - a. The following material will be OFCI: Panasonic projectors and Dell Touch monitors. All other materials will be CFCI. This includes all new Crestron materials shown on the BOM (DGE 100, HD-MD402, HD-RX-4K-210-C-E, CEN-IO-RY-104), the amplifier and speakers, electric screen, cabling, and pathway materials and any other consumables or material needed for complete system including jacks, Velcro, labels, surface boxes, raceway, etc.
2. In the first room we went into the height of the projector is below ADA requirements. Will the district sign off on that?
 - a. In two rooms downstairs, we know that due to the lighting the projectors in those room will be low. This project is not going through DSA and the district is aware of the lower height required and will accept it.
3. What is the screen size required for the project?
 - a. The BOM shows a Draper Premier #101640U OR EQUAL. This is a 122" diagonal (65"H x 104 W). Make sure to include the low voltage controls needed to connect to the Crestron CEN-IO-RY-104. This will be the screen in all but the 2 rooms downstairs which have the lights low and in the way. In those two rooms provide an electric screen with

ADDENDUM #2

low voltage controller that will be about same height as white boards (4') since they will mount just above the boards.

4. In the rooms there are outlets on the wall and cables going to the teacher desk. What is suggested for this pathway.
 - a. The cabling going to the teacher desk will go onto an outlet box on the wall and patch cords will be pulled from that to the desk to allow for removal of desk in future. Use a plastic cable cover or Connect track or EQUAL type system to protect the cables and improve aesthetics between the wall outlet and the desk.
5. Who is responsible for electrical needs at the screen?
 - a. Contractor is to include the cost for hiring or doing the electrical and cable pathway (new conduits, etc) in their quote.
6. What are the two phases for this project?
 - a. Phase 1 will be infrastructure. It will be done in the summer with completion by August 15th. The infrastructure will include:
 - i. Relocating and installing the new projector mount in the 3 rooms with 2 projectors (included power needed for the new locations).
 - ii. Installing electrical screens with a wall button controller (including power needed).
 - iii. Installing the new amplifier and speakers in each room.
 - iv. Replacing the projectors with owner furnished projectors (confirm in one room that the Crestron can control the displays before swapping – they are both Panasonics and should match).
 - v. Installing all new data cabling and terminating the existing jacks into the same patch panels and outlet boxes.
 - vi. Labeling and testing all cabling.
 - b. Phase 2 can be done during school year but will have to be evening work since students cannot be present. The other option is to wait until Christmas break. The start of this phase depends on when Crestron materials can be delivered.
 - i. Installing all the Crestron materials.
 - ii. Redoing the programming to include the new items and to have the DGE provide preview and annotation capabilities.
7. At the projector how are the cables to be terminated that are home run.
 - a. All cables shall be installed into a biscuit block or an outlet box and patch cords shall connect to the equipment for best aesthetics.
8. Do the cables between the teacher desk and the projector, as well as, the speaker cables from the amplifier at the projector to the speakers on each side of the screen have to be in raceway or conduit?
 - a. No they do not, but use white cable jacket for those cables to make blend in at the ceiling. Raceway or conduit will be needed to do up and down walls most likely. Things should blend and be protected enough to prevent tampering, etc.
9. Can you provide a total cable count per room?

ADDENDUM #2

- a. As discussed, when this project is over all rooms will be identical. As such each room will have 3 Cat6A cables home run from teacher desk (DGE, Room PC, and DM switcher TX) to the data closet, as well as, home run from the projector (DM RX, Projector, and CEN-IO-RY-104) to the data closet.
 - b. All rooms SHOULD have a cable pulled to the room PC since this is how they currently control the system using an X-Panel on the PC. That will be re-used on this project.
 - c. In the 9 rooms with existing Front Row the remaining 5 cables will be entirely new.
 - d. In the 3 rooms where we are adding a 2nd projector the 3 cables to each projector will be entirely new.
 - e. In the remaining 17 rooms with existing Crestron there SHOULD also be a cable pulled to the RX at the projector since that is how they currently control the DM switcher at the desk and the projector. That will be re-used on this project. Therefore the remaining 4 cables for each room will be entirely new.
 - f. NOTE: The district has NOT confirmed the quality of those few existing cables and contractor will be responsible for re-locating, testing, and re-terminating to include those cables on the same outlets and patch panels as the new cabling.
10. Is there pathway space from the IDF to the rooms for the new cabling?
- a. There are junction boxes in the hallway ceilings and conduits going into each room. However, given the amount of new cables that will be installed. Contractor shall include the cost for new outlet boxes and conduit entrances into the rooms.
11. Are we able to re-use the existing patch panels in the data closet?
- a. Although there are empty spaces on the patch panels. We would prefer new patch panels to keep all the outlets in the same area for easier maintenance. Re-used existing cables shall be moved to the new patch panels.
12. What type of patch panels shall be used?
- a. We would prefer modular patch panels that way we can color code the jacks for easier identification. Also we can tell whether a jack is available or not. The colors to use are as follows:
 - i. Teacher Desk
 1. DGE – Grey
 2. DM switcher TX – Orange
 3. Room PC – Black
 - ii. Projector
 1. Projector – Purple
 2. DM RX – Orange
 3. CEN-IO-RY-104 – Brown
13. What category cable shall be used?
- a. Home runs to the data closet shall be Cat6A and can be UTP. Cables between the teacher desk and the projector for the DM signals shall be Cat6A shielded.
14. Does the cable and jacks have to be Crestron DM?

ADDENDUM #2

- a. No the cable and jacks do not have to be Crestron DM. Any structured cabling TIA standard compliant and verified cabling solution may be used as long as it is shielded Cat6A.
15. Are we going to re-use the Crestron CP3?
 - a. If contractor thinks it will be best to update the processor please include that cost as a separate line item for consideration.
 16. How will the DGE be used?
 - a. The DGE is to allow preview of the source selected as well as annotation.
 17. What will the new controls look like?
 - a. The touch monitor at the teacher desk will have a control interface similar to the existing controls. In the middle will be the school logo and a preview of the source. They should be able to select the source and fill the screen and/or be able to annotate.
 - b. On the left will be the following buttons: Power On, Power Off (press and hold for 2 seconds or a popup confirmation), Blank.
 - c. On the right will be Three source selections: Room PC, Laptop, and Doc Cam. There should also be a popup for volume control.
 18. Who provides patch cords?
 - a. Contractor is responsible for all AV and data patch cords at both ends. Including labels for identification on the jacks and the cables. Labels shall be machine generated. Preferably, data patch cords will match jack color.
 19. Have the projector distance and screen sizes been confirmed per room.
 - a. The projector distances and screen sizes have NOT been confirmed for each room. The new projectors are supposed to be exact replacements spec wise and projection screens are supposed to be same size but electric. Include in quote time for survey before ordering to confirm.
 20. Will the AV Contractor be expected to provide any Structural Stamped drawings for this project?
 - a. No, but manufacturer and industry mounting procedures should be followed and secure mounting verified for safety.
 21. Will new surface raceway be needed for all rooms?
 - a. If jacket of cables is white it can be installed in a way to blend in the room and thus will not need new raceway. However, cables going up and down walls will most likely need to be in race way for protection and aesthetics.
 22. What are the ceiling types? Hardlid or drop ceiling?
 - a. All ceilings are open hard lid above the lighting.
 23. Does the bulk cabling cable need to be plenum rated?

ADDENDUM #2

- a. If local code requires it then yes. If not, then no it does not need to be plenum rated. However, entry into and out of each room needs to be fire stopped with a rated firestop system such as EZ Path or UL rated assembly.
24. Do all 26 rooms currently have existing AV systems that need to be removed? Please list any rooms that do not have existing systems.
- a. 9 rooms have existing Front Row EZ Rooms that will be completely replaced. The remaining 17 rooms will be replacing the DM transmitter. The cable between the existing TX and RX should be able to be re-used. In all those 17 rooms the RX at the projector and its home run data cable should be able to be re-used. The existing data cable going to the Teacher's desk should be able to be re-used. All other items will be replaced. 3 rooms will relocate the EXISTING projector mount, but a new mount will be added to allow 2 projectors in that room.
25. Please clarify. Will ALL projectors be provided by the owner for this project?
- a. YES, all projectors will be OFCI for this project.
26. Please clarify. Should each classroom get their own individual Crestron CP4 control processor? OR will (1) CP4 control processor be shared between all rooms?
- a. At current all rooms are controlled using 1 CP3. Please provide a separate line item in your quote so we can consider replacing that with a new CP4. Each room does NOT need its own CP4. The existing receiver is a DM-Lite receiver and as such cannot be a standalone controller for each room.
27. Where will the Crestron CP4 control processor be installed?
- a. The existing CP3 is in the data closet and connected to the network switch. The new CP4 if accepted will go in that location.
28. Are any new equipment racks needed for this project?
- a. No new equipment racks are needed. There is enough space on the existing rack to install the new patch panels above the switch.
29. What type of projector mount should be provided for the new projector locations?
- a. A universal ceiling mount system that will work with the new Panasonic PT-FRZ50WU projector.
30. Can you provide approved mounting details for the Projectors and Projection screens?
- a. Follow manufacturer and industry guidelines for mounting projectors and screens. The screens' locations will be in the same location as existing screens. The mounts in all rooms except the 3 will be staying in the same location. The replacement projector is supposed to be the identical replacement by Panasonic so should match specs for size.

ADDENDUM #2

31. Which rooms numbers are intended to get dual projectors?
 - a. Rooms LA 112, 208A and 208B.

32. Will new power outlets be needed for the new projector locations?
 - a. Yes, contractor is to include cost for doing that or sub-contracting as well as electrical for screens.

33. Can power be pulled locally in each room? OR does new power need to be pulled directly from the electrical panel?
 - a. An electrician will have to confirm if circuits can handle the load, but yes power can be pulled locally in each room if available.

34. For the existing systems, do the current network cables going to the IDF need to be replaced? OR should they be reused?
 - a. Existing cables mentioned in previous responses can be re-used. We are not planning on using existing data cables on the walls unless already used for teacher PC.

35. Does the bulk data cable going back to the IDF need to be plenum rated?
 - a. If local code requires it then yes. If not, then no it does not need to be plenum rated. However, entry into and out of each room needs to be fire stopped with a rated firestop system such as EZ Path or UL rated assembly.

36. Is there a specific cable type and manufacturer that should be used for the data cabling?
 - a. We do not have a specific manufacturer requirement. Existing cabling is Ortronics and Panduit. Requirements are Cat6A cabling. Also, should be TIA verified system and provide a manufacturer warranty with a minimum of 15 years.

37. Does the data cabling need to be certified?
 - a. Yes with a Fluke or equal TIA certifier.

38. What rooms are in Phase 1 of project?
 - a. All rooms are included in phase 1. Phase 1 is to be infrastructure. This was answered in a previous question as to what that SOW is. However, ALL rooms are in Phase 1.

39. What rooms are included in Phase 2 of project?
 - a. All rooms are included in phase 2. Phase 2 is to be the Crestron install and re-programming. This was answered in a previous question as to what the SOW is. However, ALL rooms are in phase 2.

40. Alternates for touch monitor and projector are noted on sheet AV.01 but none are noted on bid form, please confirm alternates are not required and devices are OFCI?

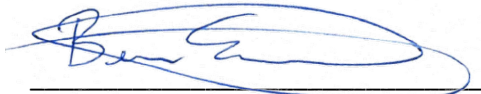
ADDENDUM #2

- a. Alternates are NOT required. The touch monitor and projector will be OFCI. All other items are to be CFCI.

C. If you have any questions regarding this Addendum, please contact:

Ben M. Cayabyab, Contracts Manager
Contra Costa Community College District
500 Court St., Martinez, CA 94553
Email: bcayabyab@4cd.edu;

All other terms and conditions of BID are to remain the same.



Ben Cayabyab, Contracts Manager

END OF ADDENDUM #2

EXHIBIT D-BILL OF MATERIALS

Product	Qty
<u>Crestron</u>	
DGE 100	26 CFCI
HD-MD402	26 CFCI
HD-RX-201-C-E	
HD-RX-4K-210-C-E	12 CFCI
<u>Panasonic</u>	
PT-FRZ50WU	29 OFCI
<u>Stewart Audio</u>	
DSP100-2-CV-D	26 CFCI
<u>Bose</u>	
DesignMax DM5SE (829705-0110)	52 CFCI
Mount (738453-0110)	52 CFCI
MISC Touch Monitor	26 OFCI