



Department of Procurement Services

160 South Hollywood Street · Room 126 · Memphis, TN 38112 · (901) 416-5376

August 21, 2020

RE: Addendum #3: IFB#08282020 – **Germantown HS Intercom System Replacement**

Dear Bidders:

This Addendum forms a part of the Contract Documents and modifies the Plans and Specifications dated August 11, 2020. The Contractor shall acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Item #1

Revision to Project Summary– Refer to the bid scope of work, page 1, project summary, the previously stated project substantial completion date of 2/26/21 has been changed to 4/30/21. The previously stated final completion date of 3/26/21 has been changed to 5/30/21. The assessed damages of \$250.00 a day after completion date shall remain the same.

Item #2

Clarification to Project Scope– The Contractor shall be expected to perform daily clean-up before leaving the job site. Cleaning shall include dust removal from drilling operations and mopping if necessary. The Contractor may be required to move any necessary furniture or amenities to successfully install intercom devices. Any moved furniture or amenities shall be moved back prior to leaving job site.

Item #3

Replace Specification– Replace Specification, Section 16760, Part 2.1D with the following requirement. The Contractor shall provide and install the required spare administrative phone as required in Specifications Section 16760, Part 2.1C in the same room where the new head-end equipment/cabinet will reside. This will be used for troubleshooting purposes; as well as, program distribution capability.

Item #4

Replace Specification– Section 16760, Part 3.1A with the following statement: All Interior two (2) pair station cabling shall be manufacturer approved 20 AWG minimum stranded conductor, plenum rated, violet jacketed, foil shielded with drain wire. Size interior multi-pair cabling per manufacturers recommendations for the length of run that is required to have effective room to room communication, all call volume and program distribution. Verify with manufacturer that the type proposed will prevent any cross-talk and interference.

Item #5

Replace Drawing Sheets– Replace original bid drawings with the revised addendum drawings #D-0110-54-006, Sheets 1 thru 7. The revisions are clouded. Bid according to these revised addendum drawings #D-0110-54-006, Sheets 1 thru 7. Use original link in IFB on page 14 to access revised addendum #3 drawings.

Item #6

Question & Responses– Please see questions and responses submitted for the above referenced project. Responses are in bold text.

1. Will this be a prevailing wage project?

No, the project is not a prevailing wage project.

2. What are the school hours that kids will be onsite when they return to school?

Currently, the projected student hours are anticipated to be from 7:15AM- 2:15PM but are subject to change.

3. Will there be a location onsite that a dumpster can be placed for demolition of old equipment not being reused and thrown away?

Yes, there will be space available on-site for a dumpster.

4. As this an existing space with many buildings how will the current surfaces be protected from dust and debris by the owner staff for the new installation and demolition of old equipment?

The Contractor shall be responsible for all surface protection and daily clean-up including dust removal by sweeping and mopping areas disturbed from the intercom system installation process. The Contractor shall provide and use their own cleaning utensils.

5. For older building projects like this project, there are often hidden items above the ceiling that are not known by the owner or the contractors. Such items like hammer holes in walls to allow passage of cables, or other devices not related to IC system and without knowing how many or where these might be located. How will this be addressed for cost by the IC contractors? What is the means and methods of repair you are looking for?

Currently there is an Owners contingency amount that is incorporated in the project that covers unforeseen conditions. Typically wall penetrations are grouted or fire caulked depending on the size of penetration.

6. During the pre-bid meeting, it was discussed that the intercom contractor was responsible for hiring painters or electrical contractors for this project and possible other trades. Usually, a general contractor license is required for doing this type work by state law. Is this the case on this project that the prime contractor will have to have a GE license?

It is preferred that the Contractor use an approved Shelby County School's painting vendor. All electrical work (excluding low voltage) shall be performed by a State of Tennessee licensed electrician.

7. Seeing as how the duration of this project may last 3-6 months, will monthly progress payments be made for stored materials or completed work?

Yes.

8. What are the working hours for this project?

Currently the working hours are from 7:15AM till 700PM Monday thru Friday and subject to change at any time.

9. Will there be an onsite location within one of the buildings for stored materials?

There will be other projects occurring at the school site, if there are no storage areas available on-site when the project begins, the Contractor shall provide their own storage unit(s) and assume all responsibility of contents thereof.

10. Will a key be provided to Contractor lead tech for accessing building locations so that the technician won't have to track down the plant manager every time he or his crew members needs in a space?

This decision of providing a key shall be determined by school officials depending on current conditions.

11. During the pre-bid meeting it was discussed that one of the reasons that the IC system is being replaced is that when it rains the current intercom cables have issues.

During the meeting it was also discussed that the replacement cable wires were to be reinstalled hanging off the sides of buildings just like the current cables are then enter each location as needed. Would it not make for a better design if all new feeding cables were installed in conduit raceway systems either underground or under the building awning system? This would eliminate the chance of water affecting the cabling system as it is currently doing.

Current design criteria are based on a certain budgetary figure. The Contractor shall provide an Alternate #3 cost to house all feeder cabling between all building(s) in ridged conduit or in underground rated conduit. The overall Alternate 3 cost can be a combination of both ridged and underground raceways since there are not existing canopies that currently connect all buildings. Size all conduit fill per

National Electrical Code recommendations. Include in the Alternate #3 cost, to patch and replace any concrete or asphalt surfaces that is removed to accommodate the underground raceway installation. Installation shall conform to all Codes having jurisdiction. The structural and roof integrity of the existing canopy shall not be jeopardized by the installation process. It shall be the responsibility of the Contractor to repair or replace any damage or water intrusion caused to the canopies as a result of the installation process. The Contractor shall be responsible for providing all structural requirements to support the exterior raceway system that is installed under the canopies. If the current budget allows, Alternate #3 will be approved.

12. During the construction time are the IC contractors allowed to park in the parking lots within the campus close to the buildings to allow for unloading tool and materials? Is there parking and a permit required as well?

Parking conditions are subject to change and will be discussed at the pre-construction conference.

13. In existing old buildings like this project there are typically several low voltage system above the ceilings, a lot of times the LV systems are not installed in a J-hook, wall sleeves, fire caulk or a bridal ring system to meet current codes. When the current contractor doing work calls for inspection the inspector calls this out. How is this being addressed for this project and who is responsible for the corrections and cost? We just experienced this on another project!

Refer to the bid scope of work item #13.

14. During pre-bid it was discussed that the current intercom system being used cabling and devices Were to be removed only after completion of new system, correct?

Yes.

15. During the Prebid meeting it was stated by MWBE that there would be list of MWBE contractors online. Please provide this list ASAP so that we can proceed with contacting contractors.

See attached for qualified MWBE contractors for the above referenced project.

16. Can we get the contact info for Joyce Douglas?

Joyce Douglas, MWBE Manager, Email: douglasja@scsk12.org, Phone: 901 416-8021.

17. It was mentioned in the pre-bid that lightning protection is required only at the headend location, please clarify what you are expecting or requiring?

Lightning protection shall be provided and installed for all intercom system conductors. Location shall be behind or adjacent to the intercom system cabinet in a hinged enclosure. Ground per manufacturers requirements. See Specifications 16760, Part 3.1M for additional requirements.

18. Will the Plant manager contact information be provided to the awarded contractor?

Yes.

19. During the pre-bid it was mentioned that if the plant manager had to work on Saturday's the IC contractor would be responsible for his payment.

Overtime payment shall be made thru Facilitron. The Contractor shall be responsible for establishing an account with Facilitron.

How is this payment made?

Facilitron information can be found on the Shelby County School's home page website.

How much is the hourly payment?

The current overtime rate is \$27.50 an hour.

Are there minimum hours that must be paid?

If the Contractor requests to work overtime on Saturdays a minimum total of (4) hours shall be paid to the Plant Manager. Two hours for opening the building and two hours for closing the building.

How many staff members will be required to be paid?

Only the Plant Manager will be required to be paid.

20. During the pre-bid meeting it was stated that the placement for new J-hook or bridle rings every 3- 5 ft. The current code requires devices to be install at a maximum distance of 4ft on center what are you requiring?

Installation shall comply with all Codes having jurisdiction as stated in the bid specifications Section 16760, Part 3.1H.

21. It was stated in the pre-bid meeting that the school is looking for 9% of MWBE participation, is this correct?

Yes, as stated by Joyce Douglas, all forms including the Good Faith Effort form needs to be completed along with documentation showing attempts to achieve the

9% MWBE goal. This information will be verified by staff to validate any efforts made by the bidders.

22. During the Pre-bid meeting it was stated if you are a MWBE contractor and that you met the goal of having your 9%, without having to have other trade, but was encouraged to provide other trades as well, is this correct understanding?

Any vendor already considered an MWBE contractor must be certified with our SCS MWBE office as a Certified MWBE firm. If your firm is not MWBE certified with our office, you must still meet the required 9% goal established by the MWBE office.

23. During the pre-bid meeting it was stated that the intercom system was to be 100% analog copper cable type system, that no hybrid system using fiber was allowed is this project, correct?

See Bid Specifications 16760, Part 2.1B.

24. For the speakers at each location are they to have volume controls with call switch? Please clarify all locations requiring volume controls or on/off switches?

See Bid Specifications 16760, Part 2.4A thru 2.4D. Locations identified as having on/off switches are designated on the bid drawings.

25. During the pre-bid meeting it was discussed that 20-gauge cable shall be provided for station cable, speaker cable, and home run feeder cables. Has the weight and size of the cables been considered for J-hooks and conduit size that you have required. Looking at a 100 pair Sealpic 19 gauge cable the weight of this cable 1075 lbs. per 1000 Ft and the size of this cable is 1.34" which will be very hard to work within a 2" pipe and will only allow 1 cable per conduit and this cable will not bend very easy. Please clarify this is what you requiring?

See Bid Specifications 16760, Part 3.1A thru 3.1E. Also see Part 3.1H.

26. During the pre-bid meeting it was stated that all punch blocks in each building IDF location is to be located within a J-box. Have all building locations been verified that there is a location for the size of boxes required that will fit in these locations?

See Bid Specifications 16760, Part 3.1M.

27. For the J-box locations in each building IDF does this J-box require conduit to above ceiling to conceal cabling or to nearest hallway access.

Yes.

28. What is a Make and model number for the ceiling tiles to be replaced?

See Bid Specifications 16760, Part 3.4G. Existing ceiling tile texture and type could vary throughout the various buildings. Contractor shall field verify.

29. During the pre-Bid meeting it was stated that all conduits and device locations must be repainted, can you give us the paint code and type of paint currently being used onsite?

There is no requirement for any re-painting. All new call station raceways shall be painted. See Bid Specifications 16760, Part 3.4C and 3.3E.

30. From the call box locations to speaker location can white V500 wire mold be used Instead of $\frac{3}{4}$ Emt conduit and then painted to lower the costs?

Bid specifications section 16760, Part 3.4B states $\frac{1}{2}$ " EMT not $\frac{3}{4}$ " EMT for call station raceways. The Contractor shall be allowed to use white metal Wiremold V500 raceway for call station raceways providing there are no splices in the wiremold raceway between the suspended ceiling or wall mount speaker and call station receptacle box. installation of wiremold raceway shall be installed per manufacturers recommendations. All wiremold raceway components shall match in color (white). Location and height requirements shall remain the same as stated in Specifications 16760, Part 3.4B.

31. For Alternate #2 cost for pole installation it states 30' for pole but does not state how much of the pole you want in the ground, the diameter of the pole, type of pole such as wood, metal or concrete or what is the installation process? Please clarify requirements.

Utility pole shall be new and wooden. Installation depth shall comply with current National Electrical Code requirements.

32. Due to all of the unknown RFI questions can the bid date be delayed along with new questions due date as once we get sub-contractors on board and re-visit the site conditions, they may have more questions.

In order for the District to meet its required period to spend the fiscal year's funding the procurement schedule will remain as indicated. All bids are due on August 28, 2020 at 11:00am.

Item #7

MWBE List– Please see attached 2 MWBE lists which includes the MWBE qualified vendors for this discipline and the full MWBE certified list.

Item #8

Revised Bid Proposal Form– Please see attached revised Bid Proposal Form dated 08212020 to include alternate #3 and revised language for alternate #2. Use revised bid proposal form dated 08212020 instead of original bid proposal form.

Item #9

Revised Alternate #2 Language– Please see revised language for Alternate #2.” Regarding the intercom cabling service to building “W”, the Contractor shall install aerial multi-pair cabling from building “B” to the existing utility pole adjacent to the Northwest side of the bleachers. Install a NEMA 3 enclosure on the pole to house the connections. Install EMT conduit from the NEMA 3 enclosure on the pole and install and attach EMT raceway on the structure of the bleacher system. Install and attach EMT conduit for the entire length of the west bleacher system. At the EMT conduit termination point on the southwest corner of bleacher system install a NEMA 3 enclosure for transition to aerial cabling again. Contractor shall install (2) 30’ new wooden utility poles at appropriate distances to support the aerial cabling serving building “W”. Install proper anchors, strandvises and weatherhead. Follow cabling requirements as stated in Specifications Section 16760, Part 3.1B. Installation shall comply with all Codes having jurisdiction.”

Item #10

Clarification for multi-pair cabling– Use only plenum rated cabling in plenum spaces.

Item #11

Question & Responses (From site visit on August 20, 2020 at 9:30am)– Please see questions and responses submitted for the above referenced project. Responses are in bold text.

1. In regards to the aerial multi-pair cable, it was discussed today to terminate aerial to plenum in and out of each building. Is this correct? This will add to service with twice as many punch block locations.

Where exterior non-plenum multi-pair cabling enters a plenum space it shall be connected in an enclosure or EMT raceway system. Contractor shall install connector blocks at strategic locations to limit the amount of required EMT

raceway. Consequently, this will result in longer runs of plenum rated station cabling to connector block/enclosure locations.

2. On building with aerial cable going from one building to another but needing to pass through a building in between, such as “C” to “M” but having “A” in the way. Can we wrap the aerial around the top of “A” close to the top of the walls to achieve this?

In locations where it is desirable for multi-pair cabling to pass thru a plenum rated space in a building, the cabling shall be installed in EMT raceway. The Contractor shall not attach exterior multi-pair cabling around the perimeter of any building. Exterior cabling shall only be attached adjacent to the point of entry on buildings.

3. A drop cable aerial clamp was mentioned at the last walkthrough that was said to be adjustable for slack. What is the make and model of these?

These devices are typically referred to as wire vises or strand vises and are sized according to the messenger size of the aerial exterior grade multi-pair that is being used.

4. We still need clarification on running aerial cable through non-plenum ceilings. Is this ok per code?

The Contractor shall be responsible for verifying Code compliance with all Codes having jurisdiction.

5. It was talked about today regarding outdoor conduit needing to be in rigid conduit. We are under the impression that EMT under awnings, which is the case with this project, can be used along with compression fittings. Please clarify.

Yes, the Contractor shall be allowed to install EMT conduit under the canopy systems providing junction boxes are installed at every 90’ of pathway. Contractor shall size conduit at 50% fill. Install per NEC requirements. Install polypropylene pull string throughout new raceway system. See Specifications section 16760, Part 3.1D for additional information.

Item #12

Clarification regarding the touch up paint– The Contractor shall patch any anchor penetrations where old intercom devices are removed. The patching shall be accomplished prior to painting.

Item #13

Clarification regarding size of intercom system amplifier – The Contractor shall size the intercom system amplifier according to load and manufacturers recommendations. A minimum 250-watt amplifier shall be provided and installed.

Thank you,
Procurement Services.