Department of Procurement Services

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

November 4, 2024

Addendum #1: **IFB 112224MT - FIRE ALARM UPGRADES – MSCS ADMINISTRATION BUILDING, GERMANTOWN HS AND SHEFFIELD HS**

Dear Bidders:

This Addendum forms a part of the Contract Documents and modifies the Plans and Specifications dated **October 29, 2024**. The Contractor shall acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Item #1 – PART IV: SCOPE OF WORK – pages 14-16 should also include the following information.

Memphis Shelby County Schools is requesting bids for new fire alarm system replacements at the following locations:

LOCATIONS	APPROXIMATE SQ/FT	ADDRESS	PLANT MANAGER	CONTACT
Administration Building 160 S. Hollywood Memphis, TN 38122, and Security buildings) Memphis Division of Parks and Neighborhoods 2599 Avery St	178,230	160 S. Hollywood Memphis, TN 38122 & City of Memphis Division of Parks and Neighborhoods 2599 Avery St Memphis, TN 38122	Mr. Strickland	(901) 493-0142
Germantown High School	272,375	7653 Poplar Pike, Germantown, TN 38138	Mr. Clint Chambers (901) 304-1631	(901) 304-1631
Sheffield High School	193,236	4315 Sheffield Avenue, Memphis, TN 38118	Ms. Sonya Brown (901) 848-8242	(901) 848-8242

* Square footage estimates above are approximate and should be field verified and may not include outlying buildings and/or portable classrooms.

SCOPE OF WORK

The Scope of Work for the Fire Alarm Upgrades shall include and not be limited to the following:

- Design, construction, and installation shall utilize the "Design/ Planning Principles & Construction Guidelines for Shelby County Schools", latest edition.
- The contractor must possess an alarm systems contractor license to install the new fire alarm system. **Include a copy of alarm systems contractor license in the bid submittals.**
- The contractor shall include all costs related to permitting. A low voltage permit is also required.
- These costs include any architectural or engineering services, permit application fees, variance application fees, courtesy review fees, direct permit costs, printing costs, mailing costs, etc. Copies of permits shall be provided to the MSCS assigned project manager. A set of Stamped State Fire Marshal drawings are required to be on-site before installation begins.
- The contractor shall ensure that the new fire alarm system and equipment meets all currently adopted codes that include local, state and federal. Design and installation shall satisfy NFPA 72 requirements. The contractor and designer shall familiarize themselves with any new modifications to the current adopted codes and design/install accordingly.
- The new fire alarm panel shall be installed in an area of the Main Office (providing the location meets Code requirements), preferably in an area not accessible by students.
- Annunciator panels shall be replaced where existing are present throughout the various (3) locations (providing the location meets Code requirements). Regarding the Administration building, in addition to the main FACP, an annunciator panel shall also be installed near the entrance into the Memphis Division of Parks and Neighborhoods building located at 2599 Avery Street Memphis, TN 38122 or any additional location where Code requires. The complete fire alarm system installation shall be "turnkey" and satisfy all Authorities having jurisdiction.
- Project includes installing integrated voice evacuation system for all (3) locations.
- Additional power provisions for any devices or panels are the responsibility of the Contractor.
- Contractor shall support new cabling at every 3' to 5' intervals above suspended ceilings in dedicated J hooks or bridal rings. No exposed cabling shall be allowed. Any exposed cabling shall be installed in conduit. All new cabling shall be plenum rated.
- Any ceiling tiles that are damaged from the installation process shall be replaced and any ceiling tiles that contain pre-existing devices shall be replaced by the Contractor at no cost to MSCS.
- The contractor shall fire-caulk all new and old wall penetrations where cabling enters and exits a wall.
- Any existing pull station covers shall be re-installed over new pull stations.
- Where canopies are not present between buildings, the fire alarm pathway for cabling shall be either be trenched per NEC standards or perform underground directional boring. Any asphalt pavement or concrete disturbed or removed shall be patched with similar materials. In areas where the distance between buildings exceeds 200'and directional boring is the selected pathway, in-ground Quazite utility boxes shall be installed with a minimum distance of 200' between boxes. No aerial cabling allowed. Install a polyethylene pull rope in any underground conduit that is installed for future maintenance if needed.
- All electrical work shall satisfy current National Electrical Code (NEC) standards.
- The Contractor shall be responsible for having all site utilities located prior to digging or excavation. The Contractor shall pay all fees for this service and restore at their cost any damaged utilities that may occur from the trenching or boring process. The Contractor shall be responsible and held liable to restore or replace any damaged utilities within 24 hours after incident

- If canopies are utilized as a cabling pathway, the cabling shall be installed in rigid conduit sized per National Electrical Code (NEC) requirements.
- After the new fire alarm system has been tested satisfactory and approved by local and state fire Marshal's, the old fire system shall be removed including old panels, devices and associated cabling. All old cabling sleeves and wall penetrations shall be sealed with fire caulk.
- Any voids remaining after the removal of panels, raceways or devices shall have touch-up painting performed to match surrounding wall color. It is recommended that the touch up painting be performed by an MSCS approved licensed painting contractor.
- The Contractor shall forward all submittals and all required permits to the MSCS project manager for review and approval prior to actual work beginning.
- The contractor shall ensure and confirm in writing from the manufacturer that the approved fire alarm equipment to be installed will be manufactured and supported for a minimal of 8 years of production that include replacement parts to minimize any impacts related to discontinuation later. Written confirmation shall include the manufacturer representative's name, representative's title and current, active contact information. Contact information shall include at a minimum a physical mailing address, direct line phone number, cell phone number, and email address.
- Contractor to confirm existing conditions in its entirety to verify and validate all spaces within the campus are code compliant with the monitoring devices such as horns/ strobes, smoke/ heat detectors, voice evacuation etc. This includes outlying buildings such as stand-alone gyms, annexes, portable classrooms, storage buildings, etc. Install surge protection devices on all exterior circuits.
- The contractor shall schedule installation to minimize or eliminate any disruption to the school facility's daily operations. Proposed schedules may include after-hours, weekend, and holiday work. If after hour work is proposed, Contractor shall include cost for the compensation of the overtime of MSCS employees that include but are not limited to the plant manager, security, and other related employees. Compensation shall be at the current prime rate at the time of the request and need. MSCS PM will assist the Contractor in setting up the compensation through MSCS's platform, Facilitron.
- No work shall be allowed during state testing times. The MSCS PM will inform the contractor of any estimated testing times during the execution of the work.
- Contractors shall maintain direct contact with the monitoring company during installation to minimize false alarm notifications. The contractor shall notify the monitoring company of the work schedule related to the project to eliminate any false responses by the monitoring company. Failure to comply with this communication requirement will result in the Contractor being responsible for all financial impacts that include service call visits, emergency first responder visits, etc.
- The contractor shall include all costs related to permitting. These costs include any architectural or engineering services, permit application fees, variance application fees, courtesy review fees, direct permit costs, printing costs, mailing costs, etc.
- The Contractor shall be responsible for coordination and execution of meetings, site visits, and inspections with the Authorities Having Jurisdiction, i.e., Memphis Fire Department Inspectors, Tennessee State Fire Marshals, Shelby County Code Enforcement, etc.

- The Contractor is responsible for paying and scheduling all associated services that are required to assist in the project to achieve final Code approvals such as elevator companies, sprinkler companies, fire suppression companies or HVAC companies.
- The new fire alarm system shall have a one-year warranty starting from Code inspection approvals from both State and local fire departments. Training shall be conducted on-site with pertinent MSCS personnel. MSCS project manager will coordinate the date and time of the training session. Operation and maintenance manuals shall be provided upon completion of the project.
- MSCS issued ID badges are required by all employees working on-site.

MSCS ELECTRICAL REQUIREMENTS

Any additional electrical work associated with the new fire alarm system installation that requires a permit from the Authorities Having Jurisdiction shall meet the MSCS criteria listed below but not be limited to the following:

- Minimum 3/4" trade size conduit
- All cabling shall be plenum-rated. No more than three (3) current carrying conductors per conduit.
- All conduit fittings to be galvanized steel fittings. Cast zinc fitting are not allowed.
- If used, all Flexible Liquid-tight conduit to be UL Listed. UL Listings shall be provided. Nonmetallic flex is not permitted.
- Cast zinc Flexible Liquid-tight fittings are not permitted. Fittings are to be galvanized steel or cast iron.
- MC cabling is limited to be used.in metal framed sheetrock wall systems only. MC cabling is not permitted in masonry or cmu wall systems.MC cabling shall not extend more than three (3) feet horizontally or vertically from the location of the drop located at the top of wall.
- Flexible metal conduit shall be permitted in locations and conditions that allow for the installation. Exception: Cast zinc fittings are permissible with Flex (Greenfield)
- Rubber cord is not permitted to be used to connect/ hook-up equipment unless it is factory installed on the device.
- Kitchen equipment shall be wired with fittings suitable to the surrounding environment. Conduits and outlet boxes to be malleable iron with covers that have gaskets. UL Listed Liquid Tight Flexible metal conduit shall be used on all kitchen equipment.
- Wiring that is#12 AWG or larger shall be stranded.
- PVC piping is permitted for underground installations. The first and last ten-foot (10'-0") sections emerging from grade level must be rigid steel conduit. After emerging from the ground, where not subject to damage, conduit may transition to EMT.

End of specification

Thank you,
Procurement Services