**\*\*If bidding other than specified, please provide manufacturer’s specs for “or equal” items. \*\***

**Scope of Work:**

The Contractor shall furnish all labor, tools, specialized equipment, materials, and supplies to upgrade and enhance two existing fire alarm systems serving three buildings for the Louisiana School for Math, Science, and the Arts (LSMSA).

**Location:**

Louisiana School for Math, Science, and the Arts 715 University Parkway Natchitoches, LA 71457

**Site Visit Contact:**

Hillary Ward

[318-471-1825](mailto:318-471-1825 hward@lsmsa.edu)

[hward@lsmsa.edu](mailto:318-471-1825 hward@lsmsa.edu)

**Specifications:**

Building #1: Music and Arts Building (MAB)

* The Contractor shall replace the existing fire panel (EST2) with an **Edwards Technology System (EST) iO1000** or equal.

**Specify Brand/Model Bidding:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The Contractor shall install an **ANS50MDR2 voice evacuation amplifier** or equal.

**Specify Brand/Model Bidding:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These will be installed to NFPA72 requirements by the Contractor. All existing NAC and IDC devices will remain insofar as they are compatible with the new panel and amplifier.

The Contractor shall replace all components necessary to provide a working fire alarm system capable of serving the MAB according to current Fire Safety Codes including the following or equal:

**Item Qty Part Description**

1 1.00 IO1000G FACP, 1 Loop, 4NAC, Gray

2 1.00 SIGA – CC1S SIGA – CC1 w/Strobe Sync

3 1.00 SA - DACT Two Line Dialer/Modem, RJ31

4 1.00 SA - 232 RS232 Interface, 4 Terminal

5 1.00 RLCD - C LCD Annunciator w/Control, Beige

6 2.00 12V17A Battery, 12V, 18AH

7 2.00 12V10A Battery, 10V, 10AH

8 1.00 ANS50MDR2 Audio Evacuation Panel, 50W, Red

9 2.00 ANSZM482A Zone Splitter Module, ANS25, ANS50, or

ANS100 to be split into multiple circuits

10 10.00 EOL - 47 47K EOL Resistor (P260072)

11 1.00 ANSREMSUP Audio Evacuation Accessory, Supervisory

Card, Remote Microphone

12 1.00 ANSREMG Audio Evacuation Accessory, Remote

Microphone Cabinet, Gray

13 1.00 SIGA – CT1 Single Output Module

14 1.00 --- Miscellaneous Cable and Consumables

**\*\* If bidding “or equal” to any of the above components, please provide on a document the components you are bidding. \*\***

Buildings 1 & 2: High School Building (HSB) and Robert A. Alost Gymnasium (Gym)

* The Contractor shall replace the existing Notifier FACP which serves both buildings with an **Edwards Technology System (EST) iO1000** or equal

**Specify Brand/Model Bidding:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The Contractor shall replace existing IDC devices with **SIGA devices** or equal to ensure compatibility.

**Specify Brand/Model Bidding:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These will be installed to NFPA72 requirements by the Contractor. Reuse existing Faraday as a junction box.

The Contractor shall replace all components necessary to provide a working fire alarm system capable of serving the HSB and Gym according to current Fire Safety Codes including the following or equal:

**Item Qty Part Description**

1 1.00 --- Misc. Conduit Fittings and Wire at Headend

2 28.00 SIGA – 278 Double Action Pull Station

3 34.00 SIGA - OSD Photo Smoke Detector, Optica

4 7.00 SIGA - HRD FT/ROR Heat Detector, 3rd Gen.

5 41.00 SIGA – SB4 Standard Base w/Trim Skirt

6 1.00 SIGA - SD SuperDuct Detector

7 1.00 SD - PH SuperDuct Protective Housing

8 1.00 SD – T60 SuperDuct Air Sample Tube, 60-in.

9 1.00 IO1000G FACP, 1 Loop, 4NAC, Gray

10 1.00 SA - 232 RS232 Interface, 4 Terminal

11 1.00 SA - DACT Two Line Dialer/Modem, RJ31

12 2.00 BPS10A 10-Amp Booster Power Supply

13 2.00 SIGA – CC1S SIGA – CC1 w/Strobe Sync

14 6.00 SIGA - CHR Control Relay, High Power

15 5.00 12V6A5 Battery, 12V, 7.6 AH

16 2.00 12V17A Battery, 12V, 18 AH

**\*\* If bidding “or equal” to any of the above components, please provide on a document the components you are bidding. \*\***

**General Terms and Conditions:**

* Warranties shall be industry standard or as otherwise provided.
* LSMSA is a statewide residential high school providing college-level educational experiences to sophomores, juniors, and seniors. Because of the residential nature of the school, students are present on campus throughout the day and night on weekdays and weekend days. Special care must be taken to minimize interruption of instruction, and interaction with students, faculty, and staff shall be minimal.
* LSMSA is a tobacco-free campus. Use any tobacco products in any LSMSA buildings or on the grounds of LSMSA is prohibited.
* The work site must be maintained in good order with no clutter or debris present.
* Any defective areas found during inspection shall not be replaced or repaired without prior approval of owner.