

**ADDENDUM No. 2
for
INVITATION FOR BID (IFB)**

**Fire Alarm System Replacement at Center
Elementary School**

**TOWN OF LONGMEADOW
MASSACHUSETTS**

July 16, 2019

This document serves as Addendum No.2 for the Invitation for Bid (IFB) for Fire Alarm System Replacement at Center Elementary School. This Addendum forms part of the IFB and modifies the original document. **Acknowledge the receipt of all addenda numbers issued on the BID SUBMISSION FORM.** Failure to do so may subject the bidder to disqualification.

The following changes and/or additions are to be made to the original Invitation for Bid dated July 3, 2019; and Addendum No.1 for Invitation for Bid, Fire Alarm System Replacement at Center Elementary School, Town of Longmeadow, Massachusetts dated July 8, 2019:

1. REVISED BID DEADLINE:

Delete reference to the bid deadline of 11:00am on Thursday, July 18, 2019. In its place insert the **revised bid deadline as 11:00am on Friday, July 19, 2019.**

2. PLAN PAGE: EFO-OO Fire Alarm Legend, Notes and Abbreviations drawing.

This plan page was supplied with the original bid document and posted online. It will be emailed to those that have registered with me. The high definition copy cannot be posted on the Town's bid listing service. If you still need it email cthompson@longmeadow.org and request it.

3. PLAN PAGE: EF2.21 Electrical Fire Alarm C Wing Upper Level New Work plan

This plan page was not supplied with the original bid document but is supplied with this Addendum No.2.

4. GENERAL BID LIST:

DelTeck; Construconnect; Projectdog; Prime Vendor, Inc., Zap Electric, Three Rivers, MA; Amp Electric, West Springfield, MA; Sommer Electric, Inc., Fire Equipment Incorporated, West Springfield, MA; Fire Equipment Incorporated, West Springfield, MA; Zap Electric, Three Rivers, MA; Hickman & Sgroi, Springfield, MA; M.L. Schmitt Electric. Springfield, MA; Collins Electric, Chicopee, MA; AMP Electric, Inc., West Springfield, MA; Diversified Construction, Amherst MA; Staiti Electric, Palmer, MA; Universal Electric, West Springfield.

5. LIST OF THOSE THAT ATTENDED AND REGISTERED DURING THE MANDATORY PRE-BID CONFERENCE AT CENTER ELEMENTARY SCHOOL ON WEDNESDAY, JULY 10, 2019 AT 10:00AM:

Bids will only be accepted from the following organizations: Fire Equipment Incorporated, West Springfield, MA; Zap Electric, Three Rivers, MA; Hickman & Sgroi, Springfield, MA; M.L. Schmitt Electric. Springfield, MA; Collins Electric, Chicopee, MA; AMP Electric, Inc., West Springfield, MA; Diversified Construction, Amherst MA; Staiti Electric, Palmer, MA; Universal Electric, West Springfield.

6. QUESTION AND RESPONSE:

QUESTION: Existing system piped or cabled?

RESPONSE: See NV5 document on the following page.
260000(3.2)(C) specifies circuit integrity cable be installed in conduit,
Addendum No.2 (item 2.1) clarifies Fire Alarm Cable Use.

QUESTION: What door holders, 24X, contractor to find module;

RESPONSE: See NV5 document on the following page.

011000 (1.3)(C)(2) directs the contractor to identify and isolate door holders as part of work scope. Addendum No.2, (item 2.2) clarifies work scope for door holder system.

QUESTION: Plumbing for ansul system in cafeteria, can you address this more?

RESPONSE: See NV5 document on the following page.

The Town's on-call plumbing contractor, Edward F. Corcoran, will be contacted to facilitate this. 011000 (1.10) outlines requirements to cooperate with work performed under separate contract. Town will have to make arrangements for required work scope not addressed under the prime agreement (Electrical, Fire alarm, & Painting). We do not anticipate any sub-trade work greater than \$25,000 in value. The Town will need to contract with contractor's it already has already bid and awarded:

Elevator Service (for final testing & elevator room/ elevator shaft coordination)

HVAC Contractor (for locating carbon monoxide detection devices & verify existing smoke detection locations within ductwork)

Sprinkler Contractor (for final testing)

Plumbing Contractor (for installation of Gas Solenoid Valve on existing gas line serving kitchen equipment)

QUESTION: Is there a 25 or 70 Volt preference?

RESPONSE: We have no preference, and none is indicated in the specifications.

QUESTION: The gym sound system module, can you provide more information about it as it was addressed to the Fire Department representative at the mandatory pre-bid conference?

RESPONSE:

See NV5 document on the following page.

Addendum No.2 (item 1.3) calls for a 2-pole normally open relay to be installed above Panel L1A to disrupt power to audio system receptacles designated by owner.

QUESTION: Relocate fire alarm enunciator location (location changed after conference?), 1 less?

RESPONSE: See NV5 document on the following page.

Addendum No.2 (items 1.4, 1.5, 1.6) removes Annunciator and local Transponder Panel, and relocated Fire Alarm Control Panel to Entry Vestibule

QUESTION: Elevator- verify elevator shaft smoke relocate?

RESPONSE: See NV5 document on the following page.

Addendum No.2 (items 1.1 & 1.2) indicate the demolition of the existing shaft detection device.

QUESTION: Will the Town provide replacement ceiling tiles and patching supplies?

RESPONSE: Yes, the Town will supply replacement ceiling tiles where needed, and the Town will also supply paint for any needed touchup for Contractor altered areas. There will be approximately 75 existing devices located in acoustical ceiling tile to be removed and reinstalled in new ceiling tile. The labor to remove and install new Town supplied tile will be included in the bid pricing.

7. REVISED SUBSTANTIAL COMPLETION DATE:

Delete reference to the sample contract terms and conditions for the Substantial Completion date of August 23, 2019. Specifically delete the paragraph under 'Item 3. Commencement and Completion of Work and Liquidated Damages'. In its place insert the following paragraph:

“It is agreed that time is of essence for this Agreement. The Contractor shall commence with the Scope of Work and obtain **Substantial Completion by November 11, 2019 for the Fire Alarm System to be installed, tested and operational.** December 31, 2019 will be the final project completion.

8. NV5 ADDENDUM NO.2, NOTICE TO BIDDERS:

Two pages of clarification on drawings and specifications is supplied on the following pages.

**LONGMEADOW CENTER SCHOOL
FIRE ALARM REPLACEMENT
LONGMEADOW, MASSACHUSETTS**

ADDENDUM NO. 2

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NOTICE TO BIDDERS:

This addendum is issued prior to receipt of bids and does hereby become part of the contract Documents, and in case of conflict, it shall supersede original plans and specifications.

Other descriptive narrative

ITEM 1: DRAWINGS

1. Electrical Fire Alarm C Wing Lower Level New Work, Drawing EF2.02.

- A. In Maintenance Room C007; DELETE, Fire Alarm Control Panel, Amplifier, Battery, Junction box with keynote 5, and Smoke Detection Device.

2. Electrical Fire Alarm A Wing Main Level New Work, Drawing EF2.10.

- A. In the Gym Corridor at the panel L1A location, ADD an Addressable Control Module.
- B. In the Gym Corridor at the panel L1A location, ADD a Relay symbol with Keynote 5 and Keynote 3.
- C. In Gymnasium A109, add Keynote 6 to each of the two pull stations, and each of the speaker strobe appliances.
- D. ADD to the Fire Alarm / Power Keynotes the following, keynote 5:
<5> Identify 2 circuits associated with gymnasium audio system, in coordination with owner. Provide a 2-pole normally open 20A rated relay/contacter above ceiling. Recircuit home runs serving audio system receptacles through contactor. Wire Addressable Control Module to open relay, and disrupt power to the audio circuits, in the event of a fire alarm.
- E. ADD to the Fire Alarm / Power Keynotes the following, keynote 6:
<6> Provide protection from damage in gym areas; Provide wire guard for notification appliances; Provide STI Stopper 2 pre-alarm protectionary cover with local alarm horn at pull station.

3. Electrical Fire Alarm C Wing Main Level New Work, Drawing EF2.11.

- A. In Maintenance Room C117; DELETE, Fire Alarm Power Supply Booster Panel, Audio Amplifier, Battery Supply, and Junction box with keynote <4> & <5>.
- B. In Entry Vestibule C, located at the main building entry; DELETE Fire Alarm Annunciator Panel and keynote 4
- C. In Entry Vestibule C, located at the main building entry; ADD Fire Alarm Control Panel, Amplifier, Battery, Junction box with keynote <4> and <5>, and Smoke Detection Device.

- D. CHANGE the Fire Alarm / Power Keynote 6 to the following:
<6> Provide graphic map of building adjacent to the Fire Alarm Control Panel
- E. CHANGE the Fire Alarm / Power Keynote 5 to the following:
<5> Provide 120V-1ph branch circuit from panel indicated on riser diagram, to support semi flush mounted Fire Alarm Control Panel installed at entry vestibule.

4. Electrical Fire Alarm A Wing Upper Level Demolition Plan, Drawing EFD2.20.

- A. ADD to the Elevator Shaft; One Elevator Recall Smoke Detection Device. Device shall be designated "X" indicating existing device to be demolished.

5. Electrical Fire Alarm C Wing Upper Level Demolition Plan, Drawing EFD2.21.

- A. ADD to the Elevator Shaft; One Elevator Recall Smoke Detection Device. Device shall be designated "X" indicating existing device to be demolished.

6. Electrical Fire Alarm Riser Diagram, Drawing EF7.00.

- A. DELETE from Building C Main Level; Fire Alarm Annunciator with voice interface.
- B. DELETE from Building C Main Level; Fire Alarm Transponder Panel, Fire Alarm Power Supply Booster Panel, Audio Amplifier, Battery Supply, and associated branch circuit and corresponding Circuit Integrity Cable wiring.
- C. RELOCATE the Fire Alarm Control Panel, from the Building C Lower Level, to the Building C Main Level
- D. RELOCATE all notification appliance and detection circuiting from the Fire Alarm Transponder Panel. The fire alarm circuiting shall originate at the relocated Fire Alarm Control Panel.
- E. RELOCATE existing circuit integrity cable class "A" loop. The communication loop shall connect between the Fire Alarm Control Panel and remaining Fire Alarm Transponder Panel locations.

ITEM 2: SPECIFICATIONS

1. Specification Section 260000 Paragraph 3.3 (F). REPLACE item (2) with the following in its entirety:

- 2. Fire Alarm Metal Clad flexible cable shall be utilized for Fire Alarm System Notification Appliance Circuit and Detection Circuit wiring throughout the building, where run concealed in walls and above finish ceilings.

2. Specification Section 263011 Paragraph 2.5 (F). REPLACE paragraph (F) with the following in its entirety:

- F. Magnetic Door Holders and 24V control wiring is existing to remain. The Contractor shall Identify Door Holder control module locations. Upon preliminary approval of new Fire Alarm System installation, Door Holder modules shall be replaced with new addressable components in kind, and controlled from new FACP. The contractor shall provide 22 addressable modules for control of the existing magnetic door holders.

(END – ADDENDUM NO.2)