Moberly Area Community College

Fire Alarm System Replacement – MACC Mexico

Request for Bid

PROJECT # 0426-01

Moberly Area Community College
2900 Doreli Lane
Mexico, Missouri

Instructions to Bidders

Request for Bid

Project #: 0426-01

Location: MACC Mexico, Mexico, Missouri

Instructions to Bidders

Bid Due Date & Time: April 20th, 9:00 AM (local time).

Delivery: Sealed bids to Office of Plant Operations, Room 136, Main Building, Moberly, MO. Clearly mark envelope "Fire Alarm System Replacement – Mexico MACC." Public opening at time/place due.

Bid Documents Required

- Completed and signed Bid Form

- Warranty information and startup confirmation

- Removal and installation plan (sequence, safety, dust and moisture protection)

- Shop drawings and product cut sheets for all new equipment

- Startup, testing, commissioning, and staff training plan

Pre-Bid Walkthrough: (Schedule by appointment at darrinf@macc.edu).
Questions: (email: darrinf@macc.edu).
Bid Due: Sealed bids must be received 4/20/26 at 9am. Late bids will not be accepted.
Deliverables with Bid: Signed Bid Form, schedule, exceptions, qualifications, and three references.
Site Rules: Coordinate access, badging, safety, and work hours with Owner.

1. Project Overview & Scope

Provide a Notifier addressable fire alarm replacement covering the Original Building (~39,485 sq ft) and Annex (~16,515 sq ft).
Replace the existing main and annex fire alarm panels and all smoke detectors. Reuse existing wiring and notification appliances where code-compliant and serviceable.
Integrate the existing subscription-based monitoring into the new system. Maintain interfaces to HVAC fire/duct devices and preserve RTU shutdown behavior.

2. Existing Systems Summary (per 12/23/2025 inspection)

• Main Building FACP: FCI-7200; 2 SLCs (Class B); 24 hr standby / 5 min alarm; power from Panel LPD, Breaker #20.

• Annex FACP: Notifier AFP-200; 1 SLC (Class B); 24 hr standby / 5 min alarm; power from Panel LPL, Breaker #26.

• Monitoring: Tech Electronics supervising station, account CPJ1-9239; communicators in Main Electric Room 141B (Silent Knight 5104B and Napco StarLink).

• Documented device totals tested: 83 smoke detectors; 10 heat detectors; 6 duct detectors; 13 manual pull stations; waterflow alarm; RTU shutdown on general alarm.

3. Codes & Standards

Design, permit, install, program, and test to NFPA 72, NFPA 70, IBC/IFC, ADA/ADAAG, and manufacturer instructions, including local AHJ amendments. Contractor shall verify adopted editions at time of permit.

4. Basis of Design – Notifier Platform

• FACP: Notifier N16 (ONYX) or current equivalent; ≥20% spare SLC addresses and ≥20% spare NAC capacity. Provide cabinets, power supplies, and batteries sized for 24-hr standby and 5-min alarm.

• SLC Architecture: Addressable loops with isolators for survivability; segment Original and Annex logically.

• Annunciation: Provide main annunciation at principal entrance(s) and Annex entry near existing panel; coordinate with AHJ.

• Initiating Devices: Replace all smoke detectors; use heat/multi-criteria where appropriate (labs, mechanical). Replace/relocate pull stations as required.

• Duct/HVAC: Replace/retain duct housings and sampling tubes as needed; maintain RTU shutdown and supervision.

• Notification: Reuse existing appliances and wiring where compliant; provide NAC power/sync and voltage-drop calcs. Replace noncompliant devices.

• Monitoring: Maintain existing supervising station account; furnish compatible communicator/interface and coordinate cutover.

• Programming & Access: Provide complete programming, labels, logic, and deliver the as-built database and agreed credentials.

5. Device Quantities (for bidding; contractor to field verify)

• 83 addressable smoke detectors (replace all).

• 10 addressable heat detectors (replace as required).

• 6 intelligent duct detector housings with sampling tubes (size to duct).

• 13 addressable manual pull stations.

• Addressable monitor/relay modules as required for HVAC shutdowns, doors, waterflow/supervisory, and ancillary equipment.

6. Special Occupancy Considerations

Industrial labs (2), Veterinary Technology, and Registered Nursing areas require careful detector selection to minimize nuisance alarms while maintaining code compliance. Coordinate device types, placement, and testing windows with the Owner and AHJ.

7. Reuse Criteria (Wiring & Equipment)

• Conductor type/gauge/insulation and routing comply with NEC and Notifier SLC/NAC requirements (shield/twist where required).

• Voltage-drop, resistance, and insulation values meet manufacturer specifications (submit calculations and test results).

• Notification appliances meet ADA/NFPA 72 (candela, audibility, synchronization).

• Cabling free from damage and improper splices; junction boxes where splices exist.

• Provide a Wiring/Device Reuse Report; obtain Owner/AHJ acceptance.

• Items failing criteria are replaced in Base Bid unless conditions were concealed and non-discoverable.

8. Submittals

For Approval (prior to procurement):

• Shop drawings (plans, risers, wiring, sequences, I/O matrix).

• Device matrix with address, description, and function.

• Battery and voltage-drop calculations; NAC sync details.

• Cut sheets for Notifier equipment and interfaces.

• Monitoring coordination letter confirming compatibility and cutover plan with current provider.

• Wiring/Device Reuse Report (Section 7).

• Phasing and cutover plan to maintain life safety coverage.

Closeout:

• As-built drawings (PDF + native CAD) and final device matrix.

• Programming database and agreed credentials.

• Acceptance test reports (100% device test) and record of completion.

• Monitoring activation confirmation.

• Training materials and attendance logs.

• Warranty certificates.

9. Execution & Phasing

• Maintain active life safety coverage at all times; provide temporary measures and phased cutover.

• Coordinate outages; provide 72-hour notice for audible testing.

• Permanently label panels, circuits, and field devices with address and location.

• Perform 100% device testing witnessed by Owner and AHJ; demonstrate RTU shutdown and waterflow alarm and verify remote signal transmission.

• The contractor has responsibility for all project materials, including old devices removed. Owner will provide access to onsite dumpster service. Any materials deemed hazardous should be properly disposed of by the contractor.

10. Training, Warranty, and Service

• Two training sessions minimum: operators and facilities/maintenance; provide quick-reference sheets and recorded session.

• Warranty: 1-year parts & labor minimum; list extended options as an alternate.

• Optional annual NFPA 72 inspection/testing proposal as a separate price.

11. Alternates

• A1 – Full Notification Upgrade: Replace all horn/strobes and strobes; provide new NAC power/sync as required.

• A2 – Survivability Enhancements: Additional SLC isolators and/or 2-hour CI cabling in designated egress paths.

• A3 – Graphical Workstation: Notifier workstation with campus map and event history.

• A4 – Extended Warranty: 3-year parts & labor.

• A5 – Additional Remote Annunciators: Provide per each at designated entrances.

12. Allowances

• Allowance 1 – Concealed Wiring Remediation: $_____(use only with Owner approval).

• Allowance 2 – Patch/Paint at Device Locations: $_____

• Bidder should provide totals for each allowance. Owner wishes for the bidder to provide a turnkey solution for each allowance in this bid. Owner and winning bidder will negotiate final terms of responsibility based on quantity of work and cost allowance required for successful remediation.

13. Contractor Qualifications

• Factory-authorized Notifier dealer/installer; ≥5 comparable institutional/lab installations.

• NICET II (minimum) Fire Alarm for lead field technician; NICET III preferred for project lead.

• Licensed in Missouri; must obtain local permits and coordinate with the Mexico, MO AHJ.

14. Bid Form (Return with Proposal)

BID FORM

BID TIME: 9:00 AM

BID DATE: April 20, 2026

FROM: _____

_____

_____

TO: MOBERLY AREA COMMUNITY COLLEGE
101 College Avenue
Moberly, Missouri 65270 (Hereinafter called the Owner)

The undersigned, having examined and being familiar with the Instructions to Bidders and the Specifications, hereby submits the following proposal:

Complete Notifier System Replacement (Original + Annex)

TOTAL BASE BID: _____ Dollars
($_____)

The Bidder hereby certifies: That this Proposal is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association or corporation; That the Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal; That the Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; That the Bidder has not sought by collusion or otherwise to obtain for himself/herself any advantage over any other bidder or over the Owner; and That discrimination against any employee or applicant for employment because of race, creed, color or national origin is not practiced in connection with the performance of this Proposal. Bid will be awarded to the lowest responsive and responsible bid. Bids must be valid for a period of 60 days.

Bidder should list all available/pertinent unit pricing within in the fillable sections provided for unit pricing. If bidder is unable to list unit pricing for an item, bidder should list total unit quantity to be installed.

Item	Price (USD)	Quantity
Base Bid – Complete Notifier System Replacement (Original + Annex)	$_____	_____
Unit Price – Addressable Smoke Detector (installed, programmed, tested) – per each	$_____	_____
Unit Price – Addressable Heat Detector – per each	$_____	_____
Unit Price – Duct Detector (housing + sampling tube) – per each	$_____	_____
Unit Price – Addressable Monitor Module – per each	$_____	_____
Unit Price – Addressable Relay Module – per each	$_____	_____
Unit Price – Horn/Strobe (replacement) – per each	$_____	_____
Unit Price – Replace/Install SLC cable – per linear foot	$_____	_____

Unit Price – Replace/Install NAC cable – per linear foot	$_____	_____
Alternate A1 – Full Notification Upgrade	$_____	
Alternate A2 – Survivability Enhancements	$_____	
Alternate A3 – Graphical Workstation	$_____	
Alternate A4 – Extended Warranty (3-year parts & labor)	$_____	
Alternate A5 – Additional Remote Annunciators (per each)	$_____	

Schedule (bidder to complete):

• Submittals: ____ weeks after award

• Procurement: ____ weeks after approvals

• Field Installation Duration: ____ weeks

• Substantial Completion: _____ (Project must be completed and invoiced by June 12th 2026)

References (three required):

1) _____

2) _____

3) _____

Bidder Acknowledgement:

Company: _____

License #: _____

Dated this _____ day of _____, 20____

Firm Name (if any)

_____

Address City, State, Zip Code

_____

Authorized Signatory: _____ Date: _____

Telephone Number _____

15. Acceptance Testing & Turnover

Coordinate AHJ witness test; provide test scripts. Demonstrate alarm, supervisory, and trouble reporting to the supervising station; verify RTU shutdown and waterflow alarm; provide laminated riser and device address list at the head-end.

Appendix A – Inspection Report Summary (12/23/2025)

Device totals, panel models/locations, power, communicator types, and HVAC interactions summarized in Section 2 were taken from the latest annual inspection report provided by the Owner.