

COUNTY OF KENOSHA
REQUEST FOR BID (RFB) #2202
COUNTYWIDE FIRE INSPECTION –
2202C – ALARM PANELS including ELEVATOR SHAFTS

FIRE ALARM SYSTEM INSPECTION REQUIREMENTS

Vendor shall inspect, test, and maintain fire alarm systems, their initiating devices, and notification appliances in accordance with the requirements of the all the latest NFPA requirements and NFPA 72 and the manufacturers recommendations, even if the manufacturer's requirements are more stringent.

- Vendor personnel must be trained, capable, and able to work on the existing fire panels, as stated in the Bidders Qualifications, section 12.
- The successful bidder is responsible for returning the panel(s) back to the original work condition if the programming is lost or damage during testing.
- The vendor shall be liable for all damages to the alarm system during system testing or working on the unit, unless determined by an independent contractor that the testing did not cause the damage. Charges occurred from the independent contractor shall be paid by the party responsible for the damaged product or system.
- Vendor is responsible for data lost during test due to unexpected data loss due to the vendor's technician's negligence during the test and to bring the system back to its original condition.
- Vendor must be able to test, certify, install devices and update the fire panel.
- Vendor must physically remove and takedown the unit to clean the smoke detectors.
- Vendor must physically clean all duct detectors according to manufacturer's specifications.
- Vendor must be within 18 inches of the smoke head to trip head.
 - Reason for requirement is because some vendors tried to use a spray can to smoke the device at a distance of more than 15 feet which proved unsatisfactory. Kenosha County wants to assure that the devices are tested and that the testing device reaches the detectors. A SOLO KIT may be used only if the extension tool is long enough to reach the detector to satisfy NFPA and the manufacture's requirement.
- Provide the actual manometer readings for all duct detectors.
- **Manometer:** The NOTIFIER (Installation and Maintenance Instructions for Model DHX-502 Intelligent Air Duct Smoke Detector Housing) addresses the manometer on **page 7, section 7.1**.
 - See **attached** for the NOTIFIER (Installation and Maintenance Instructions).
- Test **all** elevator shaft detectors annually. Smoke detectors **in** elevator shafts are **required** for **annual** inspections and must be reported.
- Check battery booster stations where installed.

- Record and provide a report of the actual sensitivity readings - not the panel readings, include information of how each device was tested. Heat, smoke and duct detectors are to be inspected annually. The codes require two-year inspection intervals, but Kenosha County requirements are for annual inspections of all devices.
- Vendor must test, open and clean all pull stations.
- The vendor's inspection, testing, and maintenance programs shall satisfy the requirements of the NFPA code and shall conform to the equipment manufacturer's recommendations and shall verify correct operation of the fire alarm system.

Inspection Schedule

- Fire panel and alarm system inspections shall take place on or before the dates listed specified by the Building Chief. Failure to perform the inspection and complete any repairs by the listed dates, the bidder will be responsible for liquidated damages, section 33 of the bid.

Notification

- Before proceeding with any testing, the vendor, through the County's designee for each facility, shall notify all persons and facilities receiving alarm, supervisory, or trouble signals and all building occupants of the testing to prevent unnecessary response.
- At the conclusion of testing, those previously notified, shall be notified that testing has been concluded.
- The vendor shall coordinate system testing with The County's designee for each facility at each location to prevent interruption of critical building systems or equipment.

Inspection and Testing

- The vendor shall perform functional inspections and testing annually or in accordance with the schedules in NFPA or more often if required by the authority having jurisdiction. Tests shall be conducted using appropriate methods listed in NFPA and as prescribed by the manufacturer. The following items, at a minimum, shall be included:
 - Control Equipment
 - Batteries
 - Transient Suppressors
 - Remote Annunciators
 - Initiating Devices
 - Interface Equipment
 - Alarm Notification Appliances

System Impairments

- The vendor shall notify The County's designee for each facility when a fire alarm system or part thereof is impaired. Impairments to systems shall include out-of-service events.
- The vendor shall promptly notify the County's designee to receive authorization to make corrections that would result in additional cost, before correcting the system defects and malfunctions. A written quotation and County's acceptance is required before beginning any work.
- The vendor shall notify the County's designee for each facility when an impairment period is completed or discontinued.

- If a defect or malfunction is not corrected at the conclusion of system inspection, testing, or maintenance, the vendor shall inform the County's designee for each facility of the impairment before leaving the facility and provide a written report of the impairment within 24 hours.

Maintenance, Parts and Labor

- The vendor shall promptly correct system defects and malfunctions. Fire alarm system equipment shall be maintained in accordance with the manufacturer's instructions. The bidder should provide catalog pricing and labor rate with bid or within 48 hours upon request.