



Social Services | Services Sociaux
Zhawenimi-Anokiitaagewin
Sault Ste. Marie District

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REQUEST FOR QUOTATION

QU 2020-005

FIRE ALARM MONITORING SYSTEMS

VARIOUS SITES

September / 2020



Ontario Works
Ontario au travail



Housing Services
Logement



Early Years
Services
Services pour la
petite enfance



Paramedic
Services
Services
Paramédicaux

Housing Services
180 Brock Street
Sault Ste. Marie, ON
P6A 3B7

Tel: 705-946-2077
Fax: 705-946-5628
www.socialservices-ssmd.ca



September 3, 2020.

1.0 Scope

1. Provide materials, labour, equipment and transportation to provide monitoring of all Fire Alarm Systems at the sites specified in this document.
2. Contractor to carry all subcontractor costs as part of the quotation.
3. All electrical work is to meet the latest requirements of the *Ontario Building Code*, and the *Ontario Electrical Safety Code*.
4. Contractor will be responsible to apply and pay for all required permits including Building Permit through the *City of Sault Ste. Marie*. A copy is to be submitted to the Owner prior to commencing work.
5. Access to sites can be provided through contact names listed for each Housing Provider.
6. The intention of all Housing Providers listed is that all sites will be part of the acceptance. Bids are to be based on that statement.

2. Standards

- .1 All work must comply with the *CAN/ULC-S561* monitoring standard. This Standard covers:
 - .1 The construction, operation, installation, inspection and tests applicable to fire signal receiving centres for fire protective signalling services utilizing fire signal receiving centre facilities and satellite centres and bridging centres.
 - .2 Construction and operation of a proprietary fire signal receiving centre.
 - .3 The installation, inspection and tests applicable to fire signal transmitting unit and its field device inputs at the protected premises.
- .2 A ULC Certificate proving that the **Signal Receiving Centre** meets *CAN/ULC-S561* requirements must be provided with this quote in order to be considered.
- .3 The interconnection wiring from the fire alarm control unit or transponder to the **Signal Receiving Centre** shall comply with *CAN/ULC-S561*, Installation and Services for Fire Signal Receiving Centres and Systems.



3. Signal Receiving Centre

.1 General

- .1 The signal receiving centre or satellite centre and the protective signalling system installations covered by this procedure provide supervisory and fire alarm signalling service in accordance with the current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*.
- .2 The receiving equipment installed in the signal receiving centre or satellite centre is intended to be connected to ULC labelled fire alarm system's subscribers transmitting units installed at protected premises.
- .3 These systems are intended to be used in conjunction with ULC labelled equipment at the protected premises including fire alarm systems, sprinkler alarm and supervisory devices, automatic fire detection equipment, etc., when these are installed and adjusted in accordance with Standard *CAN/ULC-S561-13* and the Canadian Electrical Code, Part I.

.2 Signal Receiving Centre Operation

.1 Staff Complement

- .1 A minimum of one trained operator shall be on duty at the signal receiving centre at all times. The operating force shall be in accordance with the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*.

.2 Operations and Tests

- .1 Operations, tests, disposition of signals and reporting shall be in accordance with current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*.
- .2 Following installation, and annually thereafter, systems shall be inspected and tested in accordance with the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*.
- .3 Periodic inspection and tests of installations shall be in accordance with the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*, Section 9.6 Periodic Inspection and Tests.

.3 Operating Records

- .1 Complete records of systems, operations, maintenance and inspection and tests shall be maintained at the signal receiving centre in a manner suitable for ready reference by the operator. A copy of all maintenance, inspections and testing shall be sent to Sault Ste. Marie Housing. The records shall be in accordance with current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULCS561-13*.

.3 Satellite Centre Operation

.1 Staff Complement

- .1 Adequate staff shall be maintained to carry out all service, maintenance and required weekly and monthly testing in accordance the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*

.4 Instructions to Alarm Company

.1 Equipment

- .1 All components of certificated protective signalling systems shall be listed and labelled by Underwriters Laboratories of Canada.

.2 Signal Receiving Centre And Satellite Centre Operation

- .1 The operation of the signal receiving center or satellite centre covered by this procedure shall conform in all respects to the current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULCS561-13*.

.3 Certification of Protective Signalling System Installations

- .1 Listed alarm companies may only issue ULC Certificates for protective signalling systems, which have been installed, and are being monitored, serviced and maintained, in accordance with the current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*, and for which there is an active service contract between the alarm company and the subscriber.
- .2 Service and maintenance shall be carried out by employees of the alarm company.

.4 Restoration of Services

- .1 When restoration of service is required following an alarm or notification by the subscriber of a trouble condition, the alarm company shall arrange for their service personnel to arrive at the protected premises within four hours to undertake repair or temporary restoration of the system. It is the responsibility of the service personnel to advise the signal receiving centre on his arrival at the protected premises to enable the operator to record the time of arrival of the service personnel for auditing purposes.

.5 Maintenance

- .1 Each certificated protective signalling system shall be maintained, tested and inspected under contract by the alarm company in accordance with the current requirements of Underwriters Laboratories of Canada and the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, *CAN/ULC-S561-13*.

4. Equipment

- .1 All equipment which is used for the purposes of monitoring fire alarm systems be manufactured and tested to the *CAN/ULC-S559* standard. This includes equipment used in the field at the buildings, as well as equipment used in the **Signal Receiving Centre** to receive signals.
- .2 System must meet the Requirements:
 - .1 ULC Listed Transmitter (S559/S527 Compliant).
 - .2 Grounding of Transmitter as per Manufacturer's specifications.
 - .3 AC power from a separate labelled breaker.
 - .4 Transformer properly installed.
 - .5 Install CA38A Jack, no direct wiring.
 - .6 Do not twist wires or EOL's under terminal screws.
 - .7 Provide metallic conduit protection on all connecting wires.
 - .8 Standby Batteries for 24 hours.
 - .9 Additional modules/relays to be properly mounted (stand-offs, tie wraps, etc.).
 - .10 Supervised connections for loop troubles (fire alarm, fire trouble, fire supervisory).
 - .11 Supervise removable terminal strips.
 - .12 Monitor for AC failure.
 - .13 Monitor for Communication failure.
 - .14 Fire alarm signals transmitted in 60 seconds.
 - .15 Dispatch on fire in 30 seconds.

.3 Fire Alarm Control Units:

- .1 Alarm, troubles and supervisory signals – restoration.
 - .2 Power failure conditions – restoration.
 - .3 Alarm signal shall be transmitted regardless of an abnormal condition at the protected premises.
 - .4 Fire Alarm Signal shall always be the highest priority.
 - .5 Integral communication devices in fire alarm panels shall be programmed to transmit alarm, trouble and supervisory conditions.
- .4 Panels listed to *CAN/ULC-S559* must be able to prioritize fire alarm signals above all others and have that signal received at its **Signal Receiving Centre** within 60 seconds of fire alarm activation.
- .5 Equipment used in **Signal Receiving Centre** systems must be installed in accordance with the applicable sections of the following:
- .1 *CAN/ULC-S524*, Standard for Installation of Fire Alarm Systems;
 - .2 *CSA C22.1*, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations or where applicable, a Provincial Electrical Code.
 - .3 *NFPA-13*, Standard for the Installation of Sprinkler Systems.
 - .4 *NFPA-20*, Standard for the Installation of Stationary Pumps for Fire Protection.
- .6 Relocation of the equipment within the protected premises shall be permitted provided that the equipment is in accordance with the applicable sections of *CAN/ULC-S527-M87*, Standard for Control Units for Fire Alarm Systems, and the re-installation of the equipment is in compliance with this standard; and that the equipment meets the requirements of Clauses 12.1.3 and 12.1.4.

10. Transmitter Installation

- .1 The monitoring transmitter is to be installed in the buildings to meet *CAN/ULC-S561* requirements such as mechanically protected wiring between the fire alarm and the transmitter, tamper-protected locked cabinets, and dedicated 120VAC hard-wired circuits. All installers and technicians must also be listed with the *ULC*.



5. Communications

- .1 Alarms are to be transmitted to the **Signal Receiving Centre** to meet *CAN/ULC-S561* requirements.
- .2 Methods of Communication: Passive or active.
- .3 Maximum Time to receive a fire alarm signal from a protected premises: 60 seconds.
- .4 A communication system shall be continuously supervised to detect line faults.
- .5 Active System:
 - .1 GSM units.
 - .2 Internet (constantly supervised, 24 hour standby power, router, modem, switches).
 - .6 No VOIP allowed.
 - .7 Passive Communication Signals - Fire Alarm on both paths. Tested every 24 hours.
 - .1 Separate Paths:
 - .1 Telco and Cell.
 - .2 Telco and internet.
 - .3 Local annunciation.
 - .4 Exception – No cell service or internet:
 - .1 Separate path.
 - .2 Conduit on a single run.
 - .3 Local annunciation.
 - .4 Relocate the transmitter or use antenna extension.

6. Alarm Handling

- .1 How the alarms are handled when received at the **Signal Receiving Centre** must also meet the requirements of the *CAN/ULC-S561*. Fire alarms must be dispatched to the fire department within 30 seconds of receipt without verification. Other alarm conditions also have time criteria attached (trouble conditions must be dispatched within 5 minutes, communication troubles within 5 minutes, etc.)

7. Liability Insurance

- .1 Commercial General Liability insurance shall be with limits of not less than **\$5,000,000** per occurrence, an aggregate limit of not less than **\$5,000,000** within any policy year with respect to completed operations, and a deductible not exceeding \$5,000. The insurance coverage shall not be less than the insurance provided by IBC Form 2100 (including an extension for a standard provincial and territorial form of non-owned automobile liability policy) and IBC Form 2320. To achieve the desired limit, umbrella or excess liability insurance may be used. Subject to satisfactory proof of financial capability by the Contractor, the Owner may agree to increase the deductible amounts.
- .2 Commercial General Liability insurance providing third party bodily and personal injury and property damage coverage in an amount of not less than **\$5,000,000** per occurrence, stating Owner is an additional insured and containing a Cross Liability and/or Severability of Interest Clause, protecting each insured to the same extent as if they were separately insured.

8. W.S.I.B.

- .1 The contractor shall produce a valid W.S.I.B. Certificate of Clearance Form at the commencement of the contract and updated copies as renewed.



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SUBMISSION FORM – PAGE 1 of 4

DATED THIS _____ DAY OF _____ , 20_____

CONTRACTOR: _____

AUTHORIZED SIGNING OFFICER: _____

TITLE: _____

SIGNATURE: _____

ADDRESS: _____

CITY: _____ POSTAL CODE: _____

TELEPHONE: _____ FAX: _____

EMAIL: _____

Quotations must be submitted in a sealed envelope to 180 Brock Street by:

2:00 P.M. ON WEDNESDAY SEPTEMBER 16TH, 2020

This submission form is to be completed in full and submitted with a ULC Certificate proving that the **Signal Receiving Centre** meets *CAN/ULC-S561* requirements.

All prices are to be **excluding** H.S.T.

List any subcontractors that have been included in this bid:

Provide explanation of the proposed new system, process and requirements expected of Owner (ex. Name of Signal Receiving Centre, new communication lines required, expected completion date, etc.)

If you require further clarification, please contact *Liza Chikoski (705-759-5131)*.



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SUBMISSION FORM – PAGE 2 of 4

.1 Sault Ste. Marie Housing Corporation – Liza Chikoski: 705-759-5131

.1 588 Albert Street West

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.2 615 Bay Street

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.3 53 Chapple Avenue

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.4 55 Chapple Avenue

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.5 101 Chapple Avenue

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.6 345 St. George's Avenue

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____



SUBMISSION FORM – PAGE 3 of 4

.7 668 and 672 Second Line West

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.8 123 Willoughby Street

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.9 131 Willoughby Street

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.10 540 Albert Street East

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.11 39 Chapple Street

Equipment: \$ _____

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.12 159 Gibbs Street

Equipment: \$ _____

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____



SUBMISSION FORM – PAGE 4 of 4

.2 Cara Community Corporation - Brian Gordanier: 705-942-6055

.1 31 Old Garden River Road

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.2 59 Old Garden River Road

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.3 77 Allard Street

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

.3 St. Gregory's Senior Citizen Non-Profit Homes - John Cavaliere: 705-945-8234

.1 393 Dovercourt Road

Annual Inspection: \$ _____

Monthly Monitoring: \$ _____

