

Mr. Berube,

Good Morning, I saw in your meeting there was some questions about my Capital request and wanted to provide you with the correct information and hopefully answer any questions your committee may have.

The Town of Millis has entered into a lease with Wireless Edge Towers II, LLC to construct a wireless tower on Norfolk Rd. Part of the agreement is to allow space and install public safety radios and antennas for the municipality. The town must provide the equipment and the tenant will provide installation. This is a great opportunity for the upgrade of public safety radio coverage.

For years coverage in town has been very poor due to the location of our current radio towers, Farm St and Walnut St water tanks. There are areas in town that our public safety radios cannot transmit to our dispatch center, most notably Norfolk Road, Baltimore Street, Pleasant Street, Himelfarb Street, Myrtle Street, Rt 109 past Dover Road, Dover Road, Bridge Street and Island Road. This is a big concern when it comes to officer safety and emergency communications with our public safety dispatcher.

This agreement allows for the installation of 2 antennas along with the required radio equipment at a height of 150-170 ft. This would be the highest location in town, allowing for better coverage for the entire south side of town. This would improve safety for our members, allow for better radio coverage for our DPW and Bus drivers and greatly improve overall communications within our community and neighboring communities.

The total cost for the project is \$89,373.22 for the radio equipment and antenna's, the quote is attached for your viewing.

With coverage becoming increasingly poor I had requested a quote in March to construct our own tower to improve service before being informed of this great opportunity. The quote I received is attached and for us to construct our own it would have been \$536,382.

I have spoken with the contractor for the Tower and he is very willing to work with us. Additionally, there is a clause in the agreement that allows for us to stay on the tower even if it is sold to a different carrier.

I look forward to the opportunity to further discuss this with your committee if necessary.

Respectfully,

Richard Barrett, CFO
Fire Chief/EMD
885 Main St.
Millis, Ma 02054
Phone: 508-376-2361
Fax: 508-376-4339





08/30/2023

VIA EMAIL

rbarrett@millisma.gov

Chief Richard Barrett
Millis Fire Department
885 Main Street
Millis, MA 02054

Re: Norfolk Road Receiver Site

Dear Chief:

Cyber Comm Solutions, Inc. (Cyber Comm) is pleased to submit this budgetary proposal in conjunction with the Motorola Solutions budgetary proposal for equipment. This will provide for development of a Police and Fire receiver site to be located at the new Norfolk Road Cell Tower.

We propose to complete the work for the sum of Seventy three Thousand, one hundred and forty two Dollars and ninety six Cents (\$73,142.96).

Combined with the Motorola proposal of Sixteen Thousand, two hundred and thirty Dollars and twenty six cents (\$16,230.26)

This will bring the Total Project cost to: Eighty Nine Thousand, Three hundred seventy three Dollars and twenty two cents (\$89,373.22) Priced per MA State Contract PSE-01.

Scope of Work

Our Scope of Work includes the following:

- Supply two antenna systems to be installed by the site owner.
- Supply and install Outdoor cabinet with climate control.
- Install Motorola supplied fire receiver.
- Install Motorola supplied police receiver.
- Supply and install back haul equipment on leased Verizon T1 circuit to Police station.
- Install UPS and batteries.
- Interface the backhaul to the existing Fire and Police Comparators.
- Test and Optimize system performance.
- Furnish and install a of ice bridge to include all pipes, pipe caps, T-lines, cantilevers, and 12” grip strut.
- Site clean-up and photos.
- Install and Configure (Two) Motorola GPW 8000 Receivers Supplied by The Town Millis.

Clarifications

- The Town of Millis will arrange all site access.
- CyberComm will install proper grounding.
- CyberComm to supply all new coax, connectors, surge arrestors and ground kits.
- CyberComm has NOT included any cost for painting the antennas or mounts.
- CyberComm has NOT included any costs for permitting, structural analysis or structural modifications for any structures listed in this proposal.
- Cybercomm has NOT included any cost for asphalt, or repairs to existing driveway due to crane, man-lift, or delivery truck CyberComm has NOT included and cost for man-lifts.
- CyberComm has NOT included any cost for FAA or FCC coordination.
- Any delays or conditions that delay work beyond CyberComm control may result in additional charges.
- All work to be completed during normal business hours.
- This quote does NOT include MA sales tax.
- Prevailing wage rates for this project to be provided upon contract award.

- Tax exempt certificate to be provided upon contract award.
- Quote expires in 60 days. Terms are Net 30 Days.

If you have any questions or require additional information, please do not hesitate to contact me at gvoorhees@cybercomminc.com or 508 561 1515.

Sincerely,

George Voorhees

George Voorhees
Project Manager



March 30, 2023

VIA EMAIL

rbarrett@millisma.gov

Richard Barrett
Fire Chief
Millis Fire Dept
508 376 2361

Re: Millis FD 100' Self-Support Tower Installation
Location (TBT) Millis, MA

Dear Chief:

Cyber Comm Inc. is pleased to submit this **(Budgetary)** proposal for the following scope of work.

Scope of Work

Our Scope of Work includes the following:

Millis FD 100' Self-Support Tower Installation:

- Install one (1) Valmont Structure: 100ft Self-Supporting Tower.
- Furnish and install one (1) Enviro Shelter 10'-0" x 10'-0" x 9'-0".
- Furnish and install one (1) 14KW Kohler generator and pad and provide a Kohler certified start-up and file the warranty w/ Kohler.
- Install a 10' x 10' x 6" shelter pad and a 4' x 4' x 6" door stoop.
- Furnish and install a 25'x25'x8' high all black chain-link fence enclosure with (1) double drive gate, and 3 strand barbwire.
- Furnish new fence grounding to the four (4) fence corners and two (2) gate post.
- Provide Geotechnical services and report.
- Furnish and install six (6) PSA3 3' side arms with support brackets.
- Install six (6) customer-provided omni antennas with support brackets.
- Install six (6) customer-provided 7/8" foam coax runs, connectors, ground kits and polyphasers.
- Install three (3) customer-provided 2' microwave dishes and support brackets.
- Install six (6) customer-provided Cat5e cable runs and surge protectors.

- Install two (2) customer-provided GPS antennas and support brackets.
- Install two (2) customer-provided LMR400 coax runs, connectors, ground kits and polyphasers.
- Furnish and install two (2) GPS mounts with support brackets.
- Furnish and install the waveguide ladder and new 24" ice bridge 10' +/- to the new shelter.
- Furnish proper restraints and grounding for the new cables being installed.
- Furnish and install two (2) 6-hole entry ports, boots, and cushions.
- Provide labor to excavate for a tower pad.
- Provide concrete testing by 3rd party testing company.
- Provide compaction testing by a 3rd party testing company.
- Install a new ground halo and ground well inspection box around the new tower and shelter.
- Furnish and install a new power service from the street to the new site 150' allowed for the Power & Telco conduit runs.
- Furnish and install a new H-Frame for the Meter Socket & Telco DMARC.
- Perform system sweep test on the new antennas and cables being added.
- Perform path alignments.
- Complete the FAA-1A survey and paperwork.
- Provide CD's and CCA as needed for permitting.
- Provide electrical permit and building permit as needed.
- Site clean-up and photos.

10' x 10' x 9' Enviro Shelter Building Components:

- The roof and floor shall be constructed of 4" extruded polystyrene foam insulation laminated to 26-gauge galvanized steel covers on the interior and exterior of the panels. The insulating value of the panels shall be a minimum of R32. The walls shall be constructed of 4" expanded polystyrene foam insulation laminated to 26-gauge galvanized steel covers on the interior and exterior of the panels. The insulating value of the panels shall be a minimum of R18. The edges of the panels shall be CNC machined tongue and groove connections to assure a controlled tolerance on the seam connections. The panels shall be sealed at the joints with double bead vinyl gaskets on the interior and exterior surfaces. The vinyl gasket shall overlap the edges of the metal cover to assure a positive seal. The panels shall be locked together by using cam lock connectors utilizing a single hex wrench.
- The roof of the building shall be covered with a 50-mil single vinyl polyester membrane with 6" termination bars around the perimeter of the building to eliminate moisture penetration. The roof shall carry a 20-year limited manufacturer's warranty.

- The floor of the building shall contain ½" treated plywood laminated into the floor panels to allow a live floor load of 300 psf standard and to allow for equipment anchoring. The floor shall be finished with commercial grade floor tile with vinyl cove base around the inside perimeter.
- Building Entrance:
- The entrance door of the building shall be a 3'0 x 7'0, 24-gauge, insulated door with a lever lockset, latch-guard, and drip cap. The door shall have a replaceable threshold, weather seal and stainless-steel hinges. The wall panel for the door shall have ½" fire retardant treated plywood laminated into the panel for mounting of the door frame.
- Building Climate Control System:
- The building climatic environment shall be controlled via a single wall-mounted HVAC system providing 24,000 BTU cooling and 5 kW heating. The HVAC shall have supply and return grilles on the interior of the building. The system shall have thermostat, HIGH/LOW pressure control, fan cycle control and an alarm. The wall panel for the HVAC shall have ½" fire retardant treated plywood laminated into the panel for mounting of the HVAC system.
- Building Electrical System:
- The building shall be equipped with a 100-amp, single phase, 60 Hz load center capable of handling the electrical requirements of the building and equipment. The system shall consist of (1) 4' LED Light, (8) duplex wall receptacles and (1) wall mounted light switch on the interior of the building.

Pricing

| Millis FD 100' Tower Installation DESCRIPTION | |
|--|---------------------|
| Millis FD 100' Tower Installation: | |
| 1.Labor & Mobilization | \$59,040.00 |
| 2.Material | \$110,292.00 |
| 3.Shelter | \$49,920.00 |
| 4.Fence | \$27,300.00 |
| 5.Civil Work | \$171,600.00 |
| 6.Crane | \$7,800.00 |
| 7.Generator | \$40,560.00 |
| 8. Antenna system | 5,000.00 |
| 9.Engineering | \$16,250.00 |
| 10.Network | \$6,500.00 |
| 11.Electrical | \$42,120.00 |
| SUBTOTAL: | \$536,382.00 |
| | |
| TOTAL PROJECT COST: | \$536,382.00 |

Clarifications

- Town to handle all paperwork and closeouts for non-town owned sites.
- Town to handle the power coordination, Transformer placement and pole settings to the new site.
- Town to take care of the ordering and set up of the new propane tank, filling, gas line, testing and gas permit.
- Cyber Comm will terminate all cables at a polyphaser rack and provide cable accessories up to the equipment rack.
- We cannot guaranty ground test results as we have NOT seen a grounding design for this project.
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- Cyber Comm has NOT included any costs for NEPA, regulatory issues, zoning board meetings, surveys, structural analysis, or structural modifications for any structures listed in this proposal.
- Cyber Comm has NOT included any cost for FAA or FCC coordination.
- This quote does NOT include winter conditions or snow removal.
- Cyber Comm has NOT included ant cost for painting of antennas or mounts.
- We have NOT included any cost for asphalt repairs to existing driveway or lawn repairs due to crane or construction vehicles.
- Assumes the new Millis site will have sufficient space and room for a crane and tractor trailer for access and deliveries.
- Assumes normal soils for the Tower and Shelter foundations.
- Cyber Comm has NOT included any cost for soil removal or additional soil.
- Ledge or Boulder blasting removal is NOT included in this proposal.
- Costs for dewatering due to high ground water table.
- Any delays or conditions that delay work beyond Cyber Comm control may result in additional charges.
- All work to be completed during normal business hours.
- This quote does NOT include sales tax.
- This quote does include prevailing wages.
- Tax exempt certificates to be provided upon contract award.
- Prevailing wage rate schedule for this project to be provided upon contract award.
- Prices are subject to change if purchase order is not received within 2 months.
- Quote expires in 60 days. Terms are Net 30 Days.

If you have any questions or require additional information, please do not hesitate to contact me at gbvoorhees@cybercomminc.com 508 561 1515

Sincerely,
George Voorhees
Project Manager