

BID PROPOSAL

EARLY WARNING SIREN PROJECT, MIDDLETON TOWNSHIP, WOOD COUNTY, OHIO

METHOD OF AWARD

If at the time this contract is to be awarded, the evaluated bid submitted by a responsible Bidder does not exceed the amount of funds estimated by the Middleton Township, Wood County, Ohio (herein referred to as "Owner") as available to finance the contract, the contract will be awarded on the bid. If such bid exceeds the estimated amount the Owner may reject the bid or may award the contract on the evaluated bid with such deductible alternates to produce a net amount, which is within the available funds.

Only one (1) award will be made from this contract.

The Owner reserves the right to determine the evaluated Bidder by the durability and maintenance costs over the life of the equipment. This may be done by the means of research or past experience. Initial cost may not determine bid. In case of error or discrepancy in the mathematics of the bid price, the unit price will prevail. The Owner has the right to decline any bid for any reason it deems.

SPECIFICATIONS FOR COMMUNITY OUTDOOR WARNING SIRENS

- FIVE (5) Rotating electromechanical siren heads that meet the following
 - 130dB(C) dB* output at 100' as certified by an independent testing laboratory
 - Provide coverage are of 6,500' radius at 70dB
 - Provide (3) standard alert/warning tones
 - Rotate at 3RPM
 - Able to operate in temperatures of -22°F to 140°F
 - Mechanical operation only- No electronic speakers will be considered
- FIVE (5) DC Siren Control* (MUST be Fully Compatible with Existing Siren System)
 - Controls must be housed in a NEMA 4 or better stainless-steel cabinet
 - Battery cabinet must be in a NEMA 4X corrosion resistant stainless-steel cabinet, housing NO more than four (4) batteries
 - Ability to decode AFSK, DTMF, Two-Tone and POCSAG
 - Compatible with the existing county activation system without modification or addition to communications equipment
 - Must operate on 208/220/240VAC power and only use batteries in the event of a power outage
 - Batteries must provide at minimum (15) minutes of activation in the event of a power outage
- FIVE (5) Transformer Rectifier** (Siren MUST operate in true 240VAC power) battery trickle-charge systems will not be considered
- FIVE (5) All Antennas, Brackets, Cabling for Compatibility with Existing Siren System*

- TWENTY (20) {FOUR (4) Batteries per Siren (Qty sirens x 4)}
 - Systems requiring more than (4) batteries per siren will not be considered
 - Requires standard capacity deep-cycle marine batteries
 - Batteries must be sealed and maintenance free
- FIVE (5) Full Turnkey Installations on Class II 50' Wooden Poles. Installer provides:
 - Full installation of all electronics and siren head
 - Weather-head and AC disconnect
 - Meter base (if requested)
 - Proper grounding of pole and antenna system
 - Sound propagation map of each location prior to installation
 - (Power connection to be provided by Owner)
- FIVE (5) Complete Setup, Testing, Operability Verification of All Siren Sites
- Freight
- Warranty

*** All equipment must be fully compatible with the County's Siren Activation System. Current sirens and system are manufactured by Federal Signal. Compatibility must be without additional equipment or modifications to the county's existing system. For parts and serviceability, the proposed siren models should be compatible with existing sirens on the county system. Any deviations or exceptions must be listed on a separate sheet of paper.**

**The bidder shall include a quote for turnkey installation of the system; except the customer shall provide electrical power to point of attachment or disconnect if underground service. Sirens must be able to operate on both AC and DC power. The AC operation with battery backup must allow the siren to operate from a 220/240 VAC power source without the use of the batteries. During a power failure, an automatic switch-over to battery operation must occur to maintain the siren's normal operation.

The Bidder must provide a topographic acoustic modeling analysis using software showing the projected coverage with the proposal. Mapping will utilize GIS Layers from organizations such as the United States Geological Survey (USGS) to accurately determine local terrain. Mapping software computations will take into consideration terrain, as well as, variable conditions such as siren height, siren model, wind speed, wind direction, temperature and humidity. Output maps will provide definitive coverage models showing areas both covered and non-covered and at what decibel range. Location is subject to change. Additional mapping may be required and shall be provided at no additional costs.

- 1) FIVE (5) sites throughout Middleton Township, Wood County, Ohio:

Location 1	41.468268	-83.649544
Location 2	41.443327	-83.609644
Location 3	41.437429	-83.689478
Location 4	41.464009	-83.728421
Location 5	41.501989	-83.674965

- 2) Propagation Study based on coverage area of each siren: (To be submitted with Bid)
- a. Propagation study to be based on Population
 - b. Propagation study to be based on Housing Units

SHIPPING

Any and all shipping charges shall be included in the bid price. Middleton Township, Wood County, Ohio, will not accept or store equipment on behalf of the awarded vendor. Vendor must provide their own staging area for setup and storage. Middleton Township, Wood County, Ohio, will not accept liability or ownership of equipment until fully installed and functional

OBLIGATION OF BIDDERS

At the time of the opening of bids, each Bidder will be presumed to have read and to be thoroughly familiar with the specifications. Bidder will need to respond COMPLY or DOES NOT COMPLY under each section of this bid. The failure or omission of any Bidder to examine any form, instrument, or document shall in no way relieve any Bidder from any obligation in respect to their bid.

VENDOR INFORMATION

The Early Warning System offered under this bid shall be new and unused. The unity offered for the bid shall meet or exceed the specifications attached to this bid package and shall be considered minimums unless otherwise indicated. Adequate vendor information shall be explained in writing and submitted as a part of the bid. Any exceptions shall be explained in writing and submitted as part of the bid package.

WARRANTIES

Specific warranty information shall be provided for all Early Warning System and equipment in the bid package, including yearly maintenance price and coverage.

MAINTENANCE

Special consideration will be given to bidders who are able to provide local maintenance and servicing of the sirens. Please provide details for review.

BID FORM FOR EARLY WARNING SIREN PROJECT

Company: _____

Contact Name: _____

Email: _____

Address: _____

Phone: _____ Fax: _____

Signature: _____

Federal Tax Identification Number: _____

BID PRICE TOTAL COST: _____

It is further understood and agreed by the undersigned in submitting this proposal that the Middleton Township, Wood County, Ohio, reserves the following rights and privileges:

- a. To accept or reject any or all bids, and/or waive any of the informalities in the bidding
- b. To reject all items of equipment and materials which do not conform to or exceed these specifications, without altering the bid price of the proposal

Note: Bidders shall not add any conditions or qualifying statements to this bid, except as provided herein, as otherwise the bid may be declared irregular as not be responsive to the Advertisement for Bids. *****Above Bid prices should include all equipment specified*****

If you have any questions regarding the specifications contained in this Bid Package please contact:

Fred Vetter, Middleton Township Trustee, 21745 N. Dixie Highway, Bowling Green, OH 43402

419-352-1480 (office) | 419-353-7144 (home) | 419-409-1327 (cell)

BID SUBMITTED BY:

Authorized Signature

Name (Printed)

TITLE

DATE