

Request for Proposal
Electronic Fire Alarm System
Davis Park Fire District

This document defines the functional requirements for a new electronic siren system for the Davis Park Fire District. Vendors must meet these requirements, but we are not specifying as to type of equipment beyond requiring that the system must be electronic, not mechanical or electromechanical. The existing compressed air driven, marine fog horn warning/alerting system is over 20 years old, has reliability and maintenance issues and, in many cases cannot be heard throughout the community.

Community Description

Davis Park is the easternmost community on Fire Island, a barrier beach off the south shore of Long Island, NY. The community is about 4200 feet in length and less than 1000 feet wide at the widest point. The community includes 286 wooden homes, 3 commercial properties, a municipal marina, a Town Highway Department building, and a related municipal structure. The latitude/longitude of the Davis Park Fire Department is 40.68458/-73.00393.

Requirements of the New Siren System

1. We see this as a single location system, in the center of the community.
2. The new system must be electronic.
3. The system must be triggered by the existing radio equipment interface.
4. Davis Park Fire District will provide electrical power for the system. The Vendor will supply battery back-up system and may want to propose a solar array option.
5. Vendor will provide for installation / mounting of equipment, both internal and external. If a pole is required, it is to be priced separately so that the District has the option to handle the procuring and placement of the pole itself, according to vendor specifications.
6. The system must provide an alert tone that can be heard anywhere in the community. Each proposal must include an acoustic map demonstrating that the proposed equipment will provide coverage at the 80 dB level or higher at the last walks to the east and west in the community (Whalebone and Fifth Walk). Directional equipment is required as there is much less need for amplification in the north-south directions.
7. In addition to the alert tones, the system must also have options for voice messages and public address. All tones and messages are to be user programmable with all necessary hardware and software included.
8. The new system must take sustained winds of up to 35 MPH into account since they have a major effect on the transmission of sound in an upwind direction. The terrain is mostly flat but there are some topographical variations. The system must be highly salt and weather resistant. All equipment and housing must be suitable for installation in a marine environment.

Funding

If the Vendor has sources of funding, they should be included in the proposal as an addendum. However, these will not be used as criteria for Vendor selection.

Acceptance Testing

The Vendor must submit their proposed methods for acceptance testing that will assure the specs are met.

References

Bidders must include a list of other locations where similar equipment is in use and the Davis Park Fire Commissioners can visit or call for references.

Other information to be included is a discussion of the firm's overall experience with similar installations of siren equipment. This should tell how long the firm has worked in this area and its experience in similar outdoor marine environments. If the installation is to be done by another company, references and experience for that company must also be included.

Payments

Payment will be 25% upon equipment delivery to the site, 25% upon completion of system installation, and final 50% payment 30 days after successful completion of mutually agreed to acceptance testing.

Timeframe

The new electronic siren system must be fully operational at Davis Park by May 15, 2012. This includes successful completion of acceptance testing. Any dispute is to be referred to arbitration in Suffolk County, New York.

Proposal Submission

Any Vendor desiring to submit a proposal based upon the specifications shall submit their original proposal with three copies by February 8, 2011. All proposals must be mailed to the Davis Park Fire District, PO Box 702, Patchogue, NY 11772.

All pricing information must be detailed as to cost of all materials and labor. Pricing may be delivered with the proposal but shall be placed in a sealed envelope labeled "Price Proposal".

This specification document is available as of January 1, 2012. Vendors are encouraged to visit and see the location. Vendors may also ask questions by email and answers will be shared with all inquirers. Communicate with maryaparker77@aol.com. Proposals will be opened and read aloud at the Davis Park Fire District Commissioners Meeting on February 11, 2012 at 10:00 a.m. The contract to the lowest, responsible bidder will be awarded at the March 10, 2012 Commissioners Meeting. The Davis Park Fire District reserves the right to reject any and all bids and to accept the bid best suited for its specific needs.

Proposal Format: Each bid proposal must contain

1. Narrative discussion of proposed equipment and its suitability to the project and location.
2. Detailed listing of proposed equipment (without pricing).
3. Acoustic map showing clear delineation of decibel levels at all locations in the community.
4. Discussion of the siren maker's experience in this type of equipment and environment, with references that can be contacted and locations where the equipment or similar equipment is in use.
5. If the installation is to be done by a different firm or affiliate, a discussion of the installer's experience with this type of equipment and environment, with references that can be contacted.
6. A description of the acceptance testing process proposed.
7. A detailed list with prices for each equipment component and labor/installation broken out. Also included should be separate and detailed pricing for a pole and its installation, if one is recommended. If submitted with the proposal, this price list must be in a separate sealed envelope; it can also be mailed separately.