

**CONTRACT FOR SERVICES AND/OR PRODUCTS**

THIS CONTRACT FOR SERVICES AND/OR PRODUCTS (herein “**Contract**”) is made and entered into this 26th day of November 2012 by and between the TOWN OF COLLIERVILLE, TENNESSEE, a Tennessee municipal corporation, (herein the “**TOWN**”) and ANS SERVICES, LLC, a New Jersey limited liability company (herein the “**CONTRACTOR**”).

**W I T N E S S E T H:**

WHEREAS, the TOWN desires to contract with a provider of outdoor warning sirens maintenance and repair (herein the “**Contract Items**”), and

WHEREAS, the CONTRACTOR has the requisite experience, abilities and resources to perform and/or furnish the foregoing, and

WHEREAS, the CONTRACTOR desires to enter into this Contract as an independent contractor and is ready, willing and able to provide the services and/or furnish the products in accordance with the terms of and subject to the conditions in this Contract.

NOW, THEREFORE, for good and valuable consideration, received or to be received, the sufficiency of which the parties acknowledge, the parties agree as follows:

**1.00 SCOPE OF CONTRACT**

The CONTRACTOR is to furnish the services and/or products as specified in the Invitation to Bid issued by the TOWN under No. TC 2012-33 (herein the “**Invitation to Bid**”) and any amendments thereto. The Invitation to Bid and any amendments thereto are attached hereto as **Exhibit “A”** and incorporated by reference herein and made a part hereof. Unless otherwise specified herein, the CONTRACTOR is to furnish all materials, tools, equipment, manpower, and consumables necessary to complete the Contract Items.

**2.00 TERM OF CONTRACT**

The period of this Contract shall be for twelve (12) months, beginning on November 26, 2012 and ending on November 25, 2013. This Contract may be extended by the TOWN for four (4) additional successive twelve (12) month periods or portions thereof, up to a cumulative total of sixty (60) months, by written notice to the CONTRACTOR given at least thirty (30) days before the expiration of the term then in existence.

**3.00 COMPENSATION**

3.01. Amount of Compensation. The CONTRACTOR agrees to provide the services, equipment and products as specified in its bid to the TOWN at the cost specified in said bid and amendments, if any, the bid and any amendments thereto being attached hereto as **Exhibit “B”** and incorporated by reference herein and made a part hereof. The amount as specified in **Exhibit “B”** may be increased or decreased by the TOWN under Section 4.00 of this Contract (“Additional

Services”), through the issuance of an Addendum. Any prices specified in this Contract or an Addendum thereto will remain in effect for the term of this Contract or any extensions thereof.

3.02. Payment of Compensation. All invoices received by the TOWN are payable within thirty (30) days from receipt, provided they have first been approved by the TOWN department that is the beneficiary of the Contract Items, and such department has accepted the Contract Items. The TOWN reserves the right to partially pay any invoice submitted by the CONTRACTOR when requested to do so by the TOWN department that is the beneficiary of the Contract Items. All invoices shall be directed to the Accounts Payable Department, Town of Collierville, 500 Poplar View Parkway, Collierville, Tennessee 38017. In the event any Contract Items are deemed unacceptable, the TOWN’S representative shall notify the CONTRACTOR of the deficiencies in writing and the TOWN may withhold payment until the deficiencies are corrected to the satisfaction of the TOWN, such determination to be made in the sole and absolute discretion of the TOWN. All invoices must clearly indicate the Invitation to Bid number.

#### **4.00 ADDITIONAL SERVICES**

In the event the TOWN requests that the CONTRACTOR perform additional services and/or furnish additional products not covered by this Contract, the CONTRACTOR shall perform such additional services after the TOWN and the CONTRACTOR enter into an equitable agreement regarding the additional services and/or products.

#### **5.00 NOTICE TO PROCEED**

The CONTRACTOR shall commence to perform and/or furnish the Contract Items called for under this Contract upon the written Notice to Proceed issued by the TOWN.

#### **6.00 CONFLICT OF INTEREST**

The CONTRACTOR declares that neither the Mayor, nor any Aldermen, nor any other TOWN official or employee holds a direct or indirect interest in this Contract. The CONTRACTOR pledges that it will notify the TOWN in writing should any TOWN official become either directly or indirectly interested in this Contract. The CONTRACTOR declares that as of the date of this declaration that it has not given or donated or promised to give or donate, either directly or indirectly, to any official or employee of the TOWN, or to pay anyone else for the benefit of any official or employee of the TOWN any sum of money or other thing of value for aid or assistance in obtaining this Contract. The CONTRACTOR further pledges that neither it nor any of its owners, officers or employees will give or donate or promise to give or donate, directly or indirectly, to any official or employee of the TOWN or anyone else for the benefit thereof any sum of money or other thing of value for aid or assistance in obtaining any change order to this Contract.

#### **7.00 COMPLIANCE WITH LAWS**

The CONTRACTOR agrees to observe and to comply at all times with all applicable Federal, State, and local laws, ordinances, and regulations in any manner affecting the provision

of the Contract Items and to comply with all instructions and orders issued by the TOWN regarding the Contract Items.

## **8.00 TERMINATION**

Upon thirty (30) days written notice, with or without cause, the TOWN may terminate this Contract. Following such termination, the TOWN and the CONTRACTOR shall agree upon an amount of payment for all Contract Items properly performed or furnished prior to the effective date of termination.

## **9.00 WARRANTY**

The CONTRACTOR warrants that the Contract Items, including any equipment and products provided shall: in the case of services (i) conform to all applicable standards of care and practice in effect at the time the service is performed; (ii) be of the highest quality; and (iii) be free from all faults, defects or errors; and in the case of products meet the specifications in the Invitation to Bid. The CONTRACTOR warrants that all equipment and products provided shall be furnished to the TOWN in good and working condition. If the CONTRACTOR is notified in writing by the TOWN of any faulty Contract Items furnished by the CONTRACTOR, the CONTRACTOR shall, at the TOWN'S option, either: (i) perform again the relevant Contract Items to correct such fault, defect or error, at no additional cost to the TOWN; or (ii) refund to the TOWN the charge paid by the TOWN which is attributable to such portions of the faulty, defective or erroneous Contract Items, including any costs for re-provision of the relevant Contract Items by other contractors. The CONTRACTOR warrants that all products provided by the CONTRACTOR shall be merchantable, be fit for the purpose intended and shall meet the specifications of the Invitation to Bid. The CONTRACTOR shall be liable for secondary, incidental or consequential damages of any nature resulting from any work performed under this Contract.

## **10.00 FORCE MAJEURE**

The obligations of CONTRACTOR hereunder are subject to and shall be excused in the event of riots, wars, and Acts of God.

## **11.00 INSURANCE**

11.01. Comprehensive General Liability Insurance. The CONTRACTOR, at its own expense, shall keep in force and at all times maintain during the term of this Contract Comprehensive General Liability Insurance issued by a responsible insurance company and in a form acceptable to the TOWN, coverage for CONTRACTOR on an occurrence basis against claims for bodily injury, death or property damage with combined single limits of not less than Five Hundred Thousand Dollars (\$500,000) for Bodily Injury and Property Damage.

11.02. Automobile Liability Insurance. The CONTRACTOR, at its own expense, shall keep in force and at all times maintain during the term of this Contract Automobile Liability coverage in the minimum amount of Five-Hundred Thousand Dollars (\$500,000) combined single limits for Bodily Injury and Property Damage.

11.03. Workers' Compensation Coverage. The CONTRACTOR, at its own expense, shall keep in force and at all times maintain during the term of this Contract full and complete Workers' Compensation Coverage as required by State of Tennessee law.

11.04. [Omitted].

11.05. Certificates of Insurance. The CONTRACTOR shall provide the TOWN with Certificates of Insurance on all the policies of insurance and renewals thereof in forms acceptable to the TOWN. Said Comprehensive General Liability policy shall provide that the TOWN be an additional insured. The TOWN shall be notified in writing of any reduction, cancellation or substantial change of said policy or policies at least thirty (30) days prior to the effective date of said action. All insurance policies shall be issued by responsible companies who are acceptable to the TOWN and licensed and authorized to do business under the laws of the State of Tennessee.

## **12.00 CLAIMS, LIABILITY AND INDEMNITY**

The CONTRACTOR shall assume all risk in connection with the performance of this Contract, and shall be liable for any damages to persons or property resulting from the negligent or willful acts, errors, or omissions of the CONTRACTOR, its agents, servants, and/or employees in connection with the prosecution and completion of the Contract Items covered by this Contract. The CONTRACTOR agrees that it will indemnify and hold the TOWN and its employees harmless from all claims of any type and for any expenses and costs including attorney's fees and court costs which may be incurred by the TOWN arising from the negligent or willful acts, errors, or omissions of the CONTRACTOR, its agents, servants and/or employees in the performance of this Contract, and the CONTRACTOR will carry sufficient general liability insurance to provide the above indemnification. The indemnities set forth herein shall survive the expiration or termination of this Contract.

## **13.00 ATTORNEY'S FEES**

If any legal action or other proceeding is brought for the enforcement of this Contract or because of any alleged dispute, breach, default, or misrepresentation in connection with any provisions of the Contract and the TOWN is successful therein, the TOWN shall be entitled to recover from the CONTRACTOR reasonable attorney's fees, court costs and all expenses even if not taxable or assessable as court costs (including, without limitation, all such fees, costs and expenses incident to appeal) incurred in that action or proceeding in addition to any other relief to which the TOWN may be entitled.

## **14.00 EQUAL EMPLOYMENT OPPORTUNITY**

14.01. Non-discrimination. In carrying out the Contract Items under this Contract, the CONTRACTOR shall not discriminate against any employee or applicant for employment because of race, creed, color, national origin or sex. The CONTRACTOR shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, national origin or sex. Such action shall include, but not be limited to, the following: employing; upgrading; demoting; transferring; recruiting or paying recruitment compensation; and selecting for training, including apprenticeships.

14.02. Posting and Advertising. The CONTRACTOR agrees to post in conspicuous spaces available to employees and applicants for employment a notice setting forth the provisions of the non-discrimination clause contained in Paragraph 14.01 hereinabove. The CONTRACTOR shall, in all solicitations or advertisements for employees placed by, or on behalf of, the CONTRACTOR, state that all qualified applicants shall receive consideration for employment without regard to race, creed, color, national origin or sex. The CONTRACTOR shall incorporate the foregoing requirements of this Paragraph 14.02 in all subcontracts, if any, for services or products covered by this Contract.

#### **15.00 TRANSFER, ASSIGNMENT OR SUBLETTING**

This Contract shall not be transferred or assigned or sublet without prior written consent of the TOWN.

#### **16.00 SAFETY MEASURES**

The CONTRACTOR shall take all necessary precautions for the safety of the TOWN'S and CONTRACTOR'S employees and the general public and shall erect and properly maintain at all times all necessary vehicular and facility safeguards for the protection of workmen and the public. If necessary, the CONTRACTOR shall post signs warning against hazards in and around the site where the CONTRACTOR is furnishing Contract Items.

#### **17.00 FAMILIARITY WITH THE CONTRACT ITEMS**

The CONTRACTOR, by executing this Contract, acknowledges full understanding of the extent and character of the Contract Items required and the conditions surrounding the provision thereof. The TOWN will not be responsible for any alleged misunderstanding of the Contract Items to be furnished or completed, or any misunderstanding of conditions surrounding the performance thereof. It is understood that the execution of this Contract by the CONTRACTOR serves as the CONTRACTOR'S stated commitment to fulfill all the conditions referred to in this Contract.

#### **18.00 ENTIRE AGREEMENT**

This Contract and all exhibits hereto constitute the entire agreement and understanding between the parties relating to the subject matter herein and shall not be modified, altered, changed or amended unless in writing and signed on behalf of the parties. Each and every modification and amendment of this Contract must be in writing and signed by all of the parties hereto. Each and every waiver of any covenant, representation, warranty, or other provision of this Contract must be in writing and signed by each party whose interest is adversely affected by such waiver. No waiver granted in any one instance shall be construed as a continuing waiver applicable in any other instance.

#### **19.00 PERMITS, LICENSES AND CERTIFICATES**

The CONTRACTOR is to procure all permits, licenses, and certificates, or any such approvals of plans or specifications as may be required by federal, state and local laws, ordinances, rules, and regulations, for the proper execution and completion of the Contract Items under this Contract.

**20.00 FIRE, THEFT, LOSS**

The CONTRACTOR is responsible for all damage or loss by fire, theft or otherwise to materials, tools, equipment, and consumables left on TOWN property by the CONTRACTOR.

**21.00 CONTRACTING AUTHORITY**

The persons executing this Contract on behalf of the TOWN and the CONTRACTOR hereby personally represent and warrant to all other parties that they have been duly authorized to execute and deliver this Contract.

**22.00 GOVERNING LAW**

This Contract is being executed and delivered and is intended to be performed in the State of Tennessee, and the laws (without regard to principles or conflicts of law) of such state, and of the United States of America shall govern the rights and duties of the parties hereto in the validity, construction, enforcement and interpretation hereof. Any litigation brought with respect to this Contract shall be brought in a court of competent jurisdiction in Shelby County, Tennessee and the CONTRACTOR hereby consents to the jurisdiction of such courts.

**23.00 OPPORTUNITY FOR REVIEW**

Each party has received and had the opportunity to review this Contract, and each party has had the opportunity, whether exercised or not, to have each respective party's attorneys review this Contract; and, accordingly, the normal rule of construction to the effect that any ambiguities are resolved against the drafting party shall not be employed in the interpretation of this Contract.

**24.00 SECTION HEADINGS**

The section headings contained in this Contract are for convenience of reference purposes only and are not intended to qualify the meaning of any section and shall not affect the interpretation of this Contract.

**25.00 NOTICES**

All notices, demands, and requests required or permitted by this Contract shall be in writing and shall be sent by facsimile transmission, air or other courier, or hand delivery as follows:

- (i) To: Town of Collierville  
500 Poplar View Parkway  
Collierville, TN 38017  
Facsimile: (901) 457-2207
- (ii) To: ANS Services, LLC  
1 Killdeer Ct., Ste. 4

Swedesboro, NJ 08085  
Facsimile: (856) 241-9108

Any notice, demand, or request sent by facsimile transmission shall be deemed given for all purposes under this Contract when properly transmitted by telecommunication device. Any notice, demand, or request which is hand delivered or sent by air or other courier shall be deemed given for all purposes under this Contract when received.

Any party to this Contract may change such party's address and/or telecopier number for the purpose of notices, demands and requests required or permitted under this Contract by providing written notice of such change of address to all of the parties, which change of address shall only be effective when notice of the change is actually received by the party who thereafter sends any notice, demand or request.

#### **26.00 SEVERABILITY**

If any provision of this Contract is held to be unlawful, invalid or unenforceable under present or future laws effective during the terms hereof, such provision shall be fully severable and this Contract shall be construed and enforced as if such unlawful, invalid, or unenforceable provision were not contained herein by its severance herefrom. In addition, in lieu of such unlawful, invalid or unenforceable provision, there shall be added automatically as a part hereof a provision as similar in terms to such unlawful, invalid, or unenforceable provisions as may be possible and may be lawful, valid or enforceable. Furthermore, if any provision of this Contract is capable of two constructions, one of which would render the provision void and the other which would render the provision valid, then the provision shall have the meaning which renders it valid.

#### **27.00 NO CONSENT TO BREACH**

No consent or waiver, express or implied, by any party to this Contract to or of any breach or default by the other party to this Contract in the performance by such other party of its obligations hereunder shall be deemed or construed to be a consent or waiver to or of any other breach or default of the same or any other obligations hereunder. Failure on the part of any party to this Contract to complain of any act or failure to act of any other party to this Contract, or to declare such party in default, irrespective of how long such failure continues, shall not constitute a waiver by the non-defaulting party of its rights hereunder.

#### **28.00 OTHER INSTRUMENTS**

The parties shall execute and deliver all other appropriate supplemental agreements and other instruments and take any other action necessary to make this Contract fully and legally effective, binding and enforceable as between the parties and as against third parties.

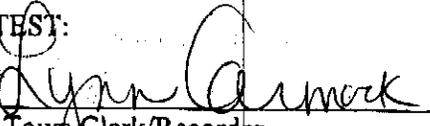
[Signatures to follow on next page]

WITNESS THE DUE EXECUTION HEREOF.

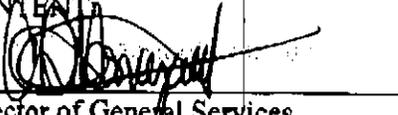
**TOWN OF COLLIERVILLE,  
TENNESSEE**

By:   
Stan Joyner, Mayor

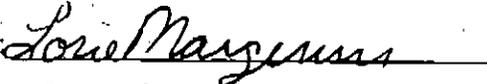
ATTEST:

By:   
Town Clerk/Recorder

APPROVED AS TO FORM AND  
CONTENT

  
Director of General Services

**ANS SERVICES, LLC**

By: 

Its: Office Manager

CONTRACTOR's Mailing Address:  
1 Killdeer Ct., Ste. 4  
Swedesboro, NJ 08085

CONTRACTOR's Telephone Number:  
(856) 469-4450

CONTRACTOR's Facsimile Number:  
(856) 241-9108

*MS*  
*11/16/12*

**EXHIBIT "A"**

**Invitation to Bid No. TC 2012-33**

# **TOWN OF COLLIERVILLE**

GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

Stan Joyner, Mayor  
James H. Lewellen, Town Administrator  
Jane Bevill, Finance Director  
Derek Honeycutt, Director of General Services  
Mandy Bajusz, Purchasing Agent



## **INVITATION TO BID**

**BID DESCRIPTION: OUTDOOR WARNING SIRENS**

**BID NUMBER: TC2012-33**

**DUE DATE: No Later Than**

**2:00:00 P.M.**  
(Local Time)

**MONDAY**  
(Day)

**OCTOBER 22, 2012**  
(Date)

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**

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**TOWN OF COLLIERVILLE BID ENVELOPE**

**ATTACHMENT**

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION I**

### **LEGAL NOTICE TO BIDDER(S)**

**LEGAL NOTICE TO BIDDERS**

The Town of Collierville Purchasing Division is requesting sealed bids on the following items:

**BID # TC2012-33 “OUTDOOR WARNING SIRENS”**

Complete bid packages are available from the Purchasing Division, 500 Poplar View Parkway, Collierville, TN 38017, Monday through Friday, 8 a.m. to 5 p.m. Interested parties may visit the Purchasing Division’s Bid and RFP webpage at <http://www.collierville.com/general-services-departments-97/bids-rfps> for further solicitation information and to obtain the project’s official bid/RFP distribution form by clicking on the bid/RFP/RFSOQ number. The completed distribution form should be returned by facsimile request at 901-457-2258; or by email to [tocpurchasing@ci.collierville.tn.us](mailto:tocpurchasing@ci.collierville.tn.us).

**Please Note:** As a part of doing business with the Town of Collierville, Tennessee, each individual, company or organization is required to obtain a Vendor Number to reference when requesting a copy of any bid. The Vendor will also be required to reference its Vendor Number on the Bid Response Form.

*\*The Vendor Number may be obtained by accessing the Town’s vendor registration site and registering as a Town of Collierville vendor at <http://tocpurchasing.collierville.com/bso>. If you are a registered vendor of the Town of Collierville, but have forgotten or misplaced your vendor number, please visit <http://www.collierville.com/general-services-departments-97/bids-rfps> and click on the “Vendor Information” link on the right hand side of the page. If you have any questions regarding the Vendor Number, please call the Purchasing Division at (901) 457-2261.*

Deadline for sealed bids, submitted to the Purchasing Division, 500 Poplar View Parkway, Collierville, TN 38017, is Monday, **October 22, 2012 2:00:00 p.m. (local time)**. The bids will then or soon thereafter be publicly opened and read aloud in the Town Board Chambers at 500 Poplar View Parkway, Collierville, Tennessee.

Bid packages must be clearly marked on the outside of the provided opaque Town of Collierville—Official Bid Envelope: **TC2012-33 – “OUTDOOR WARNING SIRENS”**

The Town of Collierville reserves the right to reject any and all bids, accept bids in part or whole, waive defects, informalities or minor irregularities in bids or bid process and to make bid awards, as deemed, to be in its best interest.

During the competitive bid process, Bidders are instructed not to contact the employees of the using departments concerning this Bid Request. **The ONLY official position of the Town is that position which is stated in writing and issued by the Purchasing Division.** No other means of communication, whether written or oral, shall be construed as a formal or official response statement.

Respectfully,  
Derek Honeycutt  
Director of General Services

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION II**

# **GENERAL TERMS, CONDITIONS & INSTRUCTIONS**

**TOWN OF COLLIERVILLE, PURCHASING DIVISION  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TN 38017  
PHONE: (901) 457-2253**

The following terms, conditions, and instructions are included in and become a part of this Bid Request.

**1.0 PREPARATION OF BIDS:**

- 1.1 **In order to maintain accurate data on each vendor receiving an Invitation to Bid, it is requested that the vendor receiving an invitation, but not wishing to bid, complete and return the attached NO BID REPLY FORM which is part of this section (Refer to page 8 of 8). This information will not preclude receipt of future invitations unless the vendor requests that the firm's name be removed from the Town's Vendor Database or the vendor does not return either this form or a bonafide bid.**

Repeated failure to comply with this request shall be cause for removal of the vendor's name from the vendor database.

- 1.2 All information requested of the vendor shall be entered in the appropriate spaces throughout the bid documents. Failure to provide the appropriate information SHALL be just cause for rejection of the bid.
- 1.3 All information shall be entered in ink or typewritten. Mistakes may be crossed out and correction inserted before submission of your bid. The person signing the bid shall initial correction in ink.
- 1.4 Corrections and/or modifications received after the designated bid opening time will not be accepted.
- 1.5 An authorized officer, employee or agent of the bidder shall sign all bids.

**2.0 BID SUBMITTAL INFORMATION:**

- 2.1 The bid response document and the other documents contained in this bid packet are legal documents; if the bidder does not understand any of them, the bidder should consult with its attorney. Only the document forms in this bid packet may be used.
- 2.2 A bid shall be invalid if the bidder fails to deposit it in the designated location prior to the time and date for receipt of bids as indicated in the Legal Notice to Bidder(s). The Town will not consider any bid received at the Town's designated location for the bid opening after the exact time specific for receipt. The Town reserves the right to consider bids determined by the Town, in the Town's sole discretion, to have been received late due to mishandling by the Town after receipt of the bid and prior to any award.
- 2.3 A bidder may modify or withdraw a bid by an appropriate document executed and delivered to the Purchasing Division at any time prior to the opening of bids.
- 2.4 **Please Note:** As a part of doing business with the Town of Collierville, Tennessee, each individual, company or organization is required to obtain a Vendor Number to reference when submitting a Bid Response Form. The Vendor Number may be obtained by accessing the Town's vendor registration site and registering as a Town of Collierville vendor at <http://tocpurchasing.collierville.com/bsa>. If you have any questions regarding the Vendor Number, please call the Purchasing Division at (901) 457-2261.
- 2.5 Submit bids (1) in a Town of Collierville Official Bid Envelope with your company's name and address, (2) the Town of Collierville sealed bid number and project title and (3) closing time and due date of bid.

- 2.6 The Town is not responsible for delays occasioned by the U.S. Postal Service or any other means of delivery employed by the bidder. Similarly, the Town is not responsible for, and will not open, any bid responses that are received later than the date and time stated within this bid packet.
- 2.7 All bid responses must be received and time stamped on or before the required bid opening time (local time, 00:00:00) at which time or soon thereafter all bids will be publicly opened and read aloud. Late bids will not be considered.

### **3.0 CRITERIA OF AWARD:**

- 3.1 The Town reserves the rights: (1) to award bids/contracts received on the basis of individual items, or groups of items or on the entire list of items, (2) to reject any or all bids, accept bids in part or whole, (3) waive defects, informalities or minor irregularities in bids or bid process and (4) to award the bid/contract that is deemed, to be in the best value (most advantageous to the Town) as determined by some or all of the following:
  - 3.1.1 Prices offered.
  - 3.1.2 Quality of product/service offered.
  - 3.1.3 General reputation and performance capabilities of the bidder.
  - 3.1.4 Conformity with specifications herein.
  - 3.1.5 Delivery and/or installation schedule.
  - 3.1.6 Location and availability of service and/or repair facilities, personnel and parts.
  - 3.1.7 Suitability for intended use.
  - 3.1.8 Responses to provided references.
  - 3.1.9 Payment terms/discounts offered.
  - 3.1.10 Demonstrations provided, if required.
  - 3.1.11 Ability to meet contract requirements such as warranty provisions, insurance requirements, bonding requirements, etc.
- 3.2 Town of Collierville reserves the right to purchase any or all items in this bid off the current State of Tennessee Statewide Contract, if it is considered by the Director of General Services to be in the best interest of the Town.
- 3.3 In case of one or more identical bids, the winning bidder will be determined by placing in a hat sheets of paper bearing, respectively, the names of the bidders submitting identical bids, with a representative of the Town drawing one piece of paper, and the name of the bidder thereon shall be the successful bidder.
- 3.4 The award of this bid to the successful bidder shall be governed by the laws of the State of Tennessee.

### **4.0 SPECIFICATIONS:**

- 4.1 The specifications given in Section III are not intentionally written around any one manufacturer and are for the purpose of indicating general size, type, and description of the equipment needed.
- 4.2 The Town hereby reserves the right to approve as an equal, or to reject as not being equal, any item the bidder proposed to furnish which contains minor variations from specification requirements but may comply substantially therewith. Items exceeding specifications will be considered as meeting specifications.
- 4.3 The bidder shall abide by and comply with the true intent of the specifications and not take advantage of any unintentional error or omission, but shall fully complete every part as the true intent and meaning of the specifications.
- 4.4 Changes to the bid specifications are not valid unless authorized in writing by the Town of Collierville Purchasing Division by means of an addendum.

- 4.5 During the competitive bid process, Bidders are instructed not to contact the employees of the using departments concerning this Bid Request. **The ONLY official position of the Town is that position which is stated in writing and issued by the Purchasing Division.** No other means of communication, whether written or oral, shall be construed as a formal or official response statement.

#### **5.0 PRICING AND PAYMENT TERMS:**

- 5.1 Prompt payment discounts will be taken into consideration in determining the award. However, an offer of a payment discount must allow a reasonable period of not less than thirty (30) days in order to be included in evaluation of bid pricing. Payment discounts restricted to payment in twenty-nine (29) days or less will not be considered in evaluating bids, as such a short time imposes an unreasonable burden for processing a payment, and the Town cannot be assured that timely action will be taken. A bid offering a payment discount in a period of less than thirty (30) days will be evaluated as a bid without a payment discount offer. Should this bidder obtain an award by reason of their gross price, the Town will hold the offer of payment discount and would make every effort to obtain the discount even if extraordinary action is necessary.
- 5.2 The Town reserves the right to accept any prompt payment discount offered by the successful bidder, however, time will be computed from date of receipt of correct invoice or receipt and acceptance of the shipment, whichever is later.
- 5.3 All prices shall be valid for a minimum of sixty (60) days from the bid opening date unless otherwise indicated in the bid request.
- 5.4 If there is a discrepancy between unit price and its extension, unit price shall prevail.
- 5.5 Prices will be considered as net if no cash discount is shown.

#### **6.0 DELIVERY:**

- 6.1 All deliveries shall be F.O.B. Collierville, Tennessee location in place/inside. Unless otherwise specified in the Invitation to Bid, all prices quoted by the bidder must be F.O.B. Collierville, Tennessee with all delivery, handling, surcharges and other charges included in the bid price. Failure to do so may cause rejection of bid. The Town will not pay any additional surcharges relative to this bid number.
- 6.2 The successful bidder shall not be responsible for failure to deliver materials or render services due to acts of God.
- 6.3 Time of delivery shall be stated as the number of calendar days following receipt of the order by the awarded vendor to receipt and acceptance of the goods or services by the Town.
- 6.4 Should deliveries not be made on time as outlined in the successful bidder's response sheet, then the Town has the authority to cancel any and all orders issued under this bid.

#### **7.0 LIABILITIES:**

- 7.1 The vendor shall hold the Town, its officers, agents, servants, and employees harmless from liability of any nature or kind because of use of any copyrighted, or uncopyrighted composition, secret process, patented or unpatented invention under this bid, and agrees to defend, at its own expense, any and all action brought against the Town because of the unauthorized use of such articles.

#### **8.0 GRATUITIES:**

- 8.1 Town of Collierville may, by written notice to the Bidder, cancel any contract and/or purchase order resulting from the bid without liability if it is determined by the Town that gratuities, in the form of

entertainment, gifts, or otherwise, were offered or given by the Bidder, or any agent or representative of the Bidder, to any officials or employee of the Town with a view toward securing a contract or securing favorable treatment with respect to the award, or the making of any determination with respect to the performing of such a contract. In the event the contract and/or purchase order is cancelled by the Town pursuant to this provision, the Town shall be entitled, in addition to any other rights and remedies, to recover or with hold the amount of the cost incurred by the Bidder in providing such gratuities.

**9.0 SAMPLES:**

- 9.1 Samples of items, when required, shall be furnished free of cost to the Town.
- 9.2 Samples of items selected may be retained for future comparison.
- 9.3 Samples that are not destroyed by testing, or that are not retained for future comparison will be returned upon request at the bidder's expense.

**10.0 CONFLICT OF INTEREST:**

- 10.1 No part of the total contract and/or purchase order amount resulting from this bid shall be paid directly or indirectly to any official or employee of the Town of Collierville, Tennessee as wages, compensation, or gifts in exchange for acting as official, agent, employee, subcontractor, or consultant to the bidder in connection with any work contemplated or performed relative to this bid.

**11.0 TAXES:**

- 11.1 The bidder shall not include any sales, use or federal excise tax to be collected from the Town since the Town is tax exempt.
- 11.2 Tax exemption certificates will be furnished upon request.

**12.0 BRAND NAMES:**

- 12.1 Brand names and number, when used, are for reference to indicate the character or quality desired.
- 12.2 When brand, number, or level of quality is not stated by the bidder, it is understood the offer is exactly as specified.
- 12.3 Any items other than those brands specified in the bid specifications must be equivalent as to function, basic design, type and quality of materials, method of construction, and any required dimensions.

**13.0 DEFAULT BY BIDDER:**

- 13.1 In case of default by the bidder, the Town may procure the articles or services from other sources and may deduct from any monies due, or that may thereafter become due to the vendor, the difference between the price named in the contract or purchase order and actual cost thereof to the Town. Prices paid by the Town shall be considered the prevailing market price at the time such purchase is made. Periods of performance may be extended if the facts as to the cause of delay justify such extension in the opinion of the Town.

**14.0 BID BONDS AND INSURANCE:**

- 14.1 When required, Bid Bonds may be submitted in the form of a Bid Bond or a Cashier's Check in the amount required.

14.2 When required, bidders must supply certificate of insurance or bonds through a company that is authorized to do business in the State of Tennessee.

**15.0 THIRD PARTY ASSIGNMENT:**

15.1 There shall be no assignments, whatsoever to third parties (financial, etc.) unless expressly agreed to by the Town of Collierville in a separate written agreement. Any assignment or attempted assignment, of any nature to third parties, without consent of the Town, shall be cause for termination of the contract at the options of the Town.

**16.0 LIEU, CLAIMS OR ENCUMBRANCE:**

16.1 The vendor, by bidding their requirements and if they become the successful bidder, agree that all goods and materials are free of any lieu, claim or encumbrance.

**17.0 DOCUMENTS INCLUDED IN CONTRACTS:**

17.1 The specifications, terms / conditions and detailed requirements shall become a part of any contract agreement and / or purchase order that result from this bid.

**18.0 INSPECTION:**

18.1 When the Town deems it necessary to inspect shipments, it may do so. Should the inspection reveal that the shipment is not as per the specifications, then the Town has the privilege to return said items at the supplier's expense.

**19.0 PURCHASES FROM STATE OF TENNESSEE CONTRACTS:**

19.1 The Town reserves the right to purchase item(s) in this bid off the State of Tennessee Contract or other governmental agency contract if it is considered in the best interest of the Town.

**20.0 DISCLOSURE OF CONFIDENTIAL OR PROPRIETARY INFORMATION:**

20.1 Bidders are advised that T.C.A. 10-7-503(a) mandates that all State, County and Municipal records shall, all times during business hours, be available for personal inspection by any citizen of Tennessee. Any information which is identified in a bid response as proprietary or confidential is therefore subject to inspection and the Town of Collierville assumes no liability for any information so identified and divulged pursuant to a request under T.C.A. 10-7-503(a).

20.2 Once the bids have been opened by the Director of General Services or his/her designated representative, they may be inspected by the public and copies available to bidders only in the Office of Purchasing, 500 Poplar View Parkway, Collierville, Tennessee. Copies made for other parties than the bidders will incur a duplication fee to be collected immediately upon receiving the requested copies.

**21.0 TITLE VI INFORMATION:**

21.1 The Town does not discriminate on the basis of race, color, national origin, age, sex, or disability in its hiring and employment practices, or in admission to, access to, or operation of its programs, services, and activities pursuant to Title VI or the Civil Rights Act of 1964 (42 U.S.C. 200d) and the Americans with Disabilities Act of 1990, Pub. L.101-336.

**22.0 COLLUSION:**

22.1 Bidders, by submitting a signed bid or proposal, certify that the accompanying bid or proposal is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged

in the same line of business or commerce, or any other fraudulent act punishable under Tennessee or United States law.

**23.0 BID PROTEST:**

23.1 Any protest concerning the award of this bid shall be decided by the Director of General Services. Protest shall be made in writing to the Office of Purchasing and shall be filed within 10 days of issuance of award notification. A protest is considered filed when received by the Office of Purchasing. The written protest shall include the name and address of the protestor, identification of the procurement, a statement of the specific reasons for the protest and supporting exhibits. The Office of Purchasing will respond to the written protest within seven days. The Director of General Services' decision relative to the protest shall be final.

**24.0 AVAILABILITY OF APPROPRIATED FUNDS:**

24.1 The bidder hereto agrees that any and all payments due from the Town, as required under the terms of this agreement, are contingent upon the availability of Appropriated Funds.

**25.0 BID WITHDRAWAL:**

25.1 At any time up to the hour and date set for opening of bids, a bidder may withdraw his/her bid. Such withdrawal must be in writing and sent to the Director of General Services at the address set forth herein, delivered in person. Such withdrawal shall be effective only upon receipt by the Director of General Services and will not preclude the submission of another bid by such bidder to the hour and date set for the opening of bids.

25.2 After the scheduled time for opening of bids, no bidder will be permitted to withdraw his/her bid.

**26.0 TIE BID:**

26.1 In case of one or more identical bids, the winning bidder will be determined by placing in a hat sheets of paper bearing, respectively, the names of the bidders submitting identical bids, with a representative of the Town drawing one piece of paper, and the name of the bidder thereon shall be the successful bidder.

**27.0 QUESTIONS AND INQUIRES:**

27.1 Any concerns with this invitation to bid should be addressed to Mandy Bajusz, Purchasing Agent, telephone number (901) 457-2261, FAX number (901) 457-2258, Monday through Friday, 8:30 A.M. to 4:30 P.M.

27.2 Any matter of this bid package that requires explanation or interpretation must be inquired into by the Bidder in writing at least three days (excluding weekends and holidays) prior to the time set for the Bid Opening. Fax all questions to the Buyer, Lori Bryant, in the Purchasing Division at (901) 457-2258. All questions will be responded to in the form of written addenda to all Bidders. All addenda that you receive shall become a part of the contract documents.

27.3 No addenda will be issued later than three (3) business days prior to the date for receipt of bids except an addendum withdrawing the request for bids or one which includes a revised date for receipt of bids.

**TO OUR SUPPLIERS:** Please take a few minutes to complete this form and return it if you are submitting a “No Bid” response.

**STATEMENT OF NO BID**

We ask that you place an “X” on the appropriate blank that corresponds with your company’s “No Bid” response.

- 1. \_\_\_\_\_ Specifications too “tight”, i.e. geared toward one (1) brand or manufacturer only. (Briefly explain below.)
- 2. \_\_\_\_\_ Specifications are unclear. (Briefly explain below)
- 3. \_\_\_\_\_ We are unable to meet specifications.
- 4. \_\_\_\_\_ Insufficient time to respond to the Invitation to Bid. (Briefly explain below if fault of Town)
- 5. \_\_\_\_\_ Our schedule would not permit us to perform within the required time.
- 6. \_\_\_\_\_ We are unable to meet bond requirements.
- 7. \_\_\_\_\_ We are unable to meet insurance requirements.
- 8. \_\_\_\_\_ We do not offer this product or service.
- 9. \_\_\_\_\_ Remove us from your bidders list for this particular commodity or service.
- 10. \_\_\_\_\_ Please keep our name on your bidders list for future reference.
- 11. \_\_\_\_\_ Other (specify below)

**FURTHER REMARKS:** (e.g., name change, address, phone or Fax change)

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**COMPANY NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_ **TIME:** \_\_\_\_\_

**NAME:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION III**

# **GENERAL REQUIREMENTS / SPECIFICATIONS**

**TOWN OF COLLIERVILLE, PURCHASING DIVISION  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TN 38017  
PHONE: (901) 457-2253**

1. SCOPE

The purpose of this bid is to outline the minimum acceptable specifications for the purchase, installation and set-up of two (2) Whelen WPS 2909, 128 dBC omnidirectional, non-rotating, electronic, voice-sirens (with wireless remote two-way status monitoring, testing, and control) as described in the specifications listed in Section IV. All components shall seamlessly integrate with the current WHELEN® system utilizing current base station equipment and signaling to control all functions and receive all communications.

This bid also includes specifications listed in Section V for a technical service agreement to obtain the services of a qualified vendor to perform the work necessary to assure the operational reliability of the Town's Outdoor Mass Notification Warning System and to maintain the system in a constant state of readiness. Service requests are typically made six to eight times annually, and the vendor will perform an annual quality assurance and preventive maintenance check.

2. SUBMISSION OF BID DOCUMENTS

The Bid, with attachments, must be placed in the supplied Town of Collierville bid envelope, sealed and delivered to the Town of Collierville. The envelope containing the Bid and attachments must be plainly marked with the following information to-wit:

- (1) The Bidder's name and Address,
- (2) Due Date of Bid package,
- (3) Project Title.

The following items **SHALL** be returned in the bid package for consideration: **(Failure to provide appropriate information SHALL be just cause for rejection of the bid.)**

- (1) **Bid Response Form, Section VI**
- (2) **Title VI Form, Section VII (Optional)**
- (3) **Reference Sheet, Section VIII**
- (4) **Authorized Dealer/Service Provider Certificate**

The Town requests that all bid documents be submitted to the Town of Collierville General Services Department, 500 Poplar View Parkway, Collierville, TN 38017 no later than **2:00:00 P.M. (local time) on Monday, October 22, 2012.**

3. ADDITIONAL INFORMATION

Technical and general contracted questions regarding this solicitation shall be submitted in writing to Lori Bryant, Buyer, Office of General Services, at fax number (901) 457-2258 or e-mail lbryant@ci.collierville.tn.us.

If any questions or responses require revisions to the solicitation as originally published, such revisions will be by formal amendment only. If the solicitation includes a separate contact for technical information, bidders are cautioned that any written or oral representations made by any Town representative or other person that appear to change materially, conflict with, or modify any portion of the solicitation shall not be relied upon unless subsequently ratified by a written amendment to this solicitation issued by the Town. For determination of whether an oral or written representation of any Town representative or other person requires that an amendment be issued, contact Lori Bryant in writing at fax number (901) 457-2258 or e-mail lbryant@ci.collierville.tn.us.

#### 4. BASIS FOR AWARD

The award for the purchase and installation of the new warning sirens and the award for the technical service agreement may be made to different vendors.

To ensure continuity of service, one award will be made for the technical service agreement.

In all cases, award shall be to the bidder deemed by the Board of Mayor and Aldermen to be the best value (most advantageous to the Town) as determined by delivery and/or installation schedule, general reputation and performance capability of the bidder, and responses to provided references, among other factors. Please see Section II, item 3.1 for additional criteria.

#### 5. QUALIFICATIONS OF BIDDER

All bidders must be financially stable and experienced and the Town will, among other things, consider such factors in determining to whom the bid shall be awarded.

Bids will only be accepted from established manufacturers or their authorized dealers and service provider. In the event a dealer or service provider submits a bid, the dealer or service provider shall guarantee that he/she is an authorized dealer or service provider of the manufacturer and the manufacturer has agreed to supply the dealer with the equipment offered in the bid and/or that the manufacturer has authorized the service provider to provide service on its equipment. Further, the dealer agrees to submit, with its bid, a certificate from the manufacturer acknowledging that he/she is an authorized dealer or service provider.

#### 6. INSURANCE

Unless otherwise required by Special Conditions of this Invitation To Bid, if a contract is awarded, the bidder will be required to purchase and maintain during the life of the contract, Comprehensive General Liability insurance, Comprehensive Automobile Liability insurance, and Worker's Compensation insurance with limits of not less than those set forth below:

Comprehensive General Liability Insurance: Liability limits of \$500,000 each occurrence and \$500,000 aggregate.

Comprehensive Automobile Liability Insurance: Liability limits of \$500,000 any one accident.

Worker's Compensation Insurance: Statutory coverage, including Employer's Liability coverage, with a limit of at least \$100,000.

The bidder shall provide the Town with Certificates of Insurance evidencing the coverages required above. Such certificates shall provide that the Town be given at least 30 days prior written notice of any cancellation of, intention to not renew, or material change in such coverage. Bidder must provide Certificates of Insurance before commencing work in connection with the contract.

The providing of any insurance required herein does not relieve the bidder of any of the responsibilities or obligations assumed by the bidder in the contract awarded or for which the bidder may be liable by law or otherwise.

Failure to provide and continue in force such insurance as required above shall be deemed a material breach of the contract and shall operate as an immediate termination thereof. Unless otherwise required by Special Conditions of this Invitation to Bid, if a contractor is awarded, the bidder will be required to purchase and maintain during the life of the contract.

#### 7. PERMITS

Vendor shall be responsible for obtaining any and all permits required to successfully complete this project and be responsible for all costs of the permits.

#### 8. REFERENCES

Bidders must submit on attached reference sheet no less than three (3) references from customers owning identical equipment for at least one (1) year or more and/or a list of at least three (3) customers, which have contracted similar services within the last twelve months. The listing shall include a contact name and phone number.

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION IV**

### **DETAILED REQUIREMENTS / SPECIFICATIONS**

#### **MASS NOTIFICATION WARNING SIRENS**

**TOWN OF COLLIERVILLE, PURCHASING DIVISION  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TN 38017  
PHONE: (901) 457-2253**

**BACKGROUND**

The Town of Collierville currently has an existing outdoor mass notification warning siren system, which consists of fourteen (14) strategically located Whelen WPS-2800-9 high-power voice and siren systems throughout the community.

As part of the Town's Southern Reserve Annexation Plan of Services, the newly annexed southern territory commonly referred to as SW-1, SW-2, SW-3 and SW-4, which is bound to the west by Forrest-Hill Irene, and to the east by Fleming Road, to the north by the TN Highway 385, and to the south by the State line is not covered by the Town's existing outdoor mass notification warning siren system.

To provide coverage to this area, the Town of Collierville desires to purchase two (2) additional **Whelen WPS2909 (nine cell) Mass Notification Warning Sirens**, which will meet the needs of the community for all current and proposed growth in this specific area.

This specification is for the design, fabrication, and installation of additional outdoor mass notification warning sirens are to be incorporated into the Town of Collierville's existing system. The warning sirens will be activated to provide warning for the Town's southern reserve area of an impending emergency situation. A single contract will be issued to the successful vendor who will turn-key construct and integrate the additional two (2) Whelen WPS2909 (nine cell) Mass Notification Warning Sirens into the existing outdoor mass notification warning siren system.

**SCOPE:**

The purpose of this specification is to outline the minimum acceptable specifications for the purchase, installation and set-up of two (2) Whelen WPS 2909, 128 dBC omnidirectional, non-rotating, electronic, voice-sirens (with wireless remote two-way status monitoring, testing, and control) as described in the specifications listed below.

The vendors bid shall include: Nine cell omnidirectional siren speaker arrays, 10-digit DTMF VHF narrow-band two-way siren Motorola radio control, intrusion alarm – type III cabinet, solar power system, 2-80 watt panels, two pairs of batteries, visualert lighting accessory - 24 VDC LED light cluster speaker cable, siren controllers, siren radio controls, antennas and antenna cables, encoder(s), "spun" concrete 55' utility pole, pole mounting brackets, lightning arrestors, batteries and installation of all equipment necessary for a fully functioning system, in accordance to the installation specifications provided within this package; includes shipping, materials, labor and turn-key installation; to include, but not limited to radio installation and optimization with current system encoder.

All equipment specified herein shall be new, free of defects and shall be fully operational upon installation.

All components shall seamlessly integrate with the current WHELEN® system utilizing current base station equipment and signaling to control all functions and receive all communications.

**GENERAL SPECIFICATIONS:**

The outdoor mass notification warning siren will utilize electronic, high power voice and siren systems. The siren will consist of non-rotating, omnidirectional speaker system that is capable of providing siren warning and voice communications throughout 360 degrees. The siren shall be a two-way radio controlled system that will provide positive feedback for silently testing each siren.

An acoustic study was performed by an independent contractor and due to the high ambient noise levels; a minimum of 75dBC @ 3200' is needed in the suburban areas of Collierville and a minimum of 80dBC @ (1500') in the downtown area of Collierville. Siren coverage must be estimated in accordance to FEMA's Guideline for Outdoor Siren Warning System CPG 1-17, using the 10dB loss per distance doubled, and sound attenuation formula. To ensure that the model sirens used will provide adequate sound pressure levels required, each bidder must provide the decibel level at 100' of each siren being bid.

All system components furnished for this project shall be new products currently listed in the vendor's latest price sheet. All remote sirens, their controls, and encoders shall be current standard and advertised models.

**Site Installation**

All electrical service equipment and its installation shall conform to all applicable requirements of the latest edition of the National Electrical Code (NEC), American National Standards Institute (ANSI), Insulated Cable Engineers Association (ICEA), National Electrical Manufacturer's Association (NEMA), National Fire Protection Association (NFPA), all local ordinances, building codes and Tennessee One-Call System requirements and specifications.

Manufacturer's materials specifications and installation procedures shall be strictly adhered to by all installers and subcontractors to maximize lightning protection of speaker assemblies and siren control boxes and they shall be connected to a low impedance ground system.

All installation bids shall include the cost of a new "spun" concrete 55' pole utility pole, conduit, ground wire, ground rods, service cable, service disconnects, weather head and all necessary materials to effect a turn-key installation.

All conduits utilized for wiring between the speaker assembly and the remote station control case assembly shall be rigid steel or metal bonded flex types.

Remote station antennas shall be mounted as high as possible on the utility poles to such that remote station antenna faces the primary transmitter site.

Battery connectors shall be coated with a silicone compound to prevent corrosion.

"Spun" concrete 55' pole utility poles under normal conditions shall be set directly into an augured hole and backfilled with the earth augured from the hole, tamping every 4". Said installation shall comply with all local building codes and ordinances.

To insure pole stability, an adequate quantity of tamped CA6 or better gravel shall be used to backfill pole installation completely encasing buried pole section.

Pole must be set within  $\pm \frac{1}{2}^\circ$  of perpendicular to horizontal and maintain position for the 2-year warranty period or will be reset at installer's expense.

All debris and excess excavated materials shall be removed from the installation site and all reasonable efforts shall be made by the installer to return the site and surrounding area to pre-installation condition.

Timely notification to Tennessee One-Call System shall be the sole responsibility of the primary installation contractor. Said notification shall be made no less than 72 (week-day) hours prior to the start of the installation. (Tennessee One Call – Call Center 811 or 1-800-351-1111; tnocs@tncall)

Contractors shall make all reasonable efforts during installation and servicing activities to cause minimal traffic interruptions. For any installation or service that requires work on or near a public roadway, the contractor will be required to use traffic controls that conform to the MUTCD, current edition. Contractor shall be responsible to provide all traffic control activities.

During installations and subsequent servicing all contractors shall utilize appropriate safety and personal protective equipment and adhere to standard safety practices insuring their safety and preventing hazards to the public.

**WARRANTY:**

Warranty of the system shall be a minimum of 24 months covering all parts, on-site labor, shipping, and an additional three (3) years limited warranty with flat rate repair pricing for all system components. A certificate of warranty and warranty registration card shall be included with each unit purchased.

Bidder shall be a factory authorized service facility fully equipped to repair said equipment and shall have sufficient availability of parts on hand; including but not limited to, amplifier modules, controllers, batteries, and drivers to effect repair of said equipment within forty-eight (48) hours.

The repair of the warranted parts shall be done at the manufacturer's factory. The cost of repairing these parts shall be included in the 24-month warranty.

Additionally, an extended warranty agreement for a period of three years, after the 24 month warranty expires, must include a flat rate repair for all modules, manufactured by the siren manufacturer, located inside the siren's control cabinets and encoders provided by the bidder. The extended period includes speaker drivers. The flat rate fee must be stated.

**TECHNICAL SUPPORT:**

The bidder must be an authorized sales and service center for the products being bid. The bidder must have FCC licensed technicians on staff to provide technical support during normal business hours and on an on-call basis available at all times (24/7/365) for emergencies which present a hazard to public safety. Said support will be provided at no cost during the two-year warranty period and on a specified cost per call basis after that time period.

**SPEAKER ARRAY:**

The electrical path between the speaker system's power amplifiers and speaker drivers will be hardwired. The speaker array shall consist of nine (9) omnidirectional speaker cells. Each cell shall be comprised of only one (1) 400-watt **EZ-PULL™** speaker driver. The use of multiple stacked flared speaker horns, or stacked speaker arrays that require more than one (1) speaker driver per speaker cell will not be accepted.

Each 400-watt speaker driver will be connected to a 400-watt power amplifier. Only one speaker driver per power amplifier will be accepted. Each power amplifier must be capable of producing 400 watts minimum output rating. A dedicated pair of wires shall wire each speaker driver to its own power amplifier. These wiring pairs shall be twisted, 14awg, coded red and black and each wire shall be numbered. The use of common grounds is prohibited. A minimum of 50' of speaker and control cable must be provided, for each siren.

The speaker array will be pre-wired at the siren manufacturer's facility prior to shipping.

The speaker array shall be wind tunnel tested and capable of withstanding speeds up to 120 mph.

All systems nominal output ratings and effective acoustic sound pressure levels must be determined in accordance with Federal Emergency Management Agency (FEMA) publication CPG 1-17 Outdoor Warning System free field testing guidelines and the requirements of ANSI S.12.14 –1992 "Methods for the Field Measurements of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors".

Requested system performance levels with nominal output ratings and effective acoustic sound pressure levels at 100' shall be 125 dB with an effective 70 dB range of 4,800 ft.

Siren system output performance levels at 100 ft. shall not vary more than  $\pm 2$  dB over the 360-degree radius of the unit when tested in free field non-reflective measurement environments using the parameters specified above.

Design and construction of siren head assemblies shall be of virgin nonconductive materials which exhibit extreme resistance to adverse environmental elements.

Speaker arrays shall be finished with a highly durable coating, which is maintenance free and provides extreme resistance from environmental elements including ultraviolet radiation.

Speaker assemblies shall present a low profile to minimize wind loading and shall be constructed to withstand winds up to 120 M.P.H. with no damage.

All speaker assemblies shall be equipped for direct top mounting to "Spun" concrete 55' pole utility poles.

Effective coverage range of specified warning systems shall not differ substantially from siren coverage when operating in the public address mode. The specification is based upon digital voice playback from remote station site and remote broadcast of public address, which shall be increased by a factor of 25% for power amplification.

Systems shall have a low frequency cut-off of not less than 275 Hz for component protection.

Speaker array horns shall have screening material attached to the projection horn to block insects, birds, animals, dirt and debris from entering the driver throat(s). Said screening material must be positioned to avoid the buildup of ice and snow.

Speaker assemblies shall be designed for convenient and time efficient servicing of drivers and internal wiring. Entire speaker array shall not have to be removed from the utility pole for driver replacement.

It is the intention of this specification that each remote warning system will produce a warning signal of a continuous full power level uniformly throughout 360 degrees from a stationary speaker system. The use of moving parts incorporated in a speaker design to direct a focused array of horns throughout a 360-degree pattern is not acceptable. Minimum servicing of the speaker array is a major objective of this specification.

Each speaker assembly shall contain one high efficiency 400-watt compression driver.

Specified driver must have a long-term continuous square wave power handling capacity consistent with advertised specifications.

Speaker arrays with stated outputs of 125dB and shall be modular in design allowing for a field expansion of a site as future coverage needs warrant.

Specified compression drivers shall have no DC continuity between the driver case and either terminal. Polarity marking shall be clearly visible at the driver terminals to determine proper phasing. Manufacturer shall supply nominal DC resistance data for compression driver supplied, for diagnostic testing of driver coil.

**CONTROL CABINET:**

The siren case for the speaker systems shall be a multi-compartment assembly consisting of separate cabinets seam-welded together. The siren case assembly shall be furnished in natural finish aluminum 5052 material or a stainless steel 304 material. The use of fiberglass or other non-metallic material will not be accepted. To minimize future maintenance, the speaker array and the voice/siren's electronic cabinet shall be manufactured from materials that have not been painted nor will ever need painting. The unpainted material must be capable of withstanding the environmental conditions of the Town of Collierville.

The siren case assembly shall be similar to a NEMA 4 type case assembly providing a raised rolled lip around the entrance of each compartment, removable hinged doors with gaskets for each compartment that is secured by a retaining mechanism and a provision for a hasp type lock.

All system electronics will be modular and installed on the hinged panel swing out, for service. For ease of troubleshooting, all modules may be serviced or inspected by opening the service panel without disconnecting any modules from operation.

All wiring and conduit entrance to the control cabinet assembly will be via the bottom of the cabinet. All wiring connections between the compartments of the control cabinet shall have sealed fitting to prevent fumes or gases from the battery compartment entering the electronics compartment. No conduit connection between the battery compartment and the siren's control cabinet is allowed unless the conduit is "Factory Sealed."

All ventilation louvers on specified NEMA 4 type enclosure shall be screened to the interior of the cabinet to prevent entry of insects, wasps, and other pests.

All systems electronics shall be modular in design. System modules shall either plug into a back plane or be installed on hinged panels that swing out for service. Individual modules should be designed to be tested while in operation.

Specified NEMA 4 type enclosure shall be equipped with a lifting eye of adequate capacity to facilitate installation of the cabinet.

A full length-mounting channel shall be securely welded to the enclosure to facilitate pole mounting. Specified mounting channel shall be of sufficient strength to support the weight of cabinet and all modules, batteries and accessories.

A plastic or equivalent non-conductive tray shall be provided in the battery compartment(s), which will hold the system batteries in place and retain small amounts of spillage from the batteries in the event of a failure in the casing of any system batteries.

A vinyl or rubber mat shall be provided on the top wall of the battery compartment(s) for the prevention of short circuiting a battery by its terminal post during battery installation or removal.

Control cabinets will be mounted a minimum of five (5) feet above the ground and mounted as to allow the service of cabinets from the shoulder of the road minimizing the possibility of damaging the right of way property.

#### **AUDIO AMPLIFIER MODULES**

Specified audio amplifiers shall be fully solid state and modular in design. All wiring to the amplifier module shall be by connectors or plugs. No de-soldering shall be required to change an amplifier module. Failure of one amplifier module shall have no effect on the operation of the other amplifier modules within the system.

Specified amplifier modules shall revert to a stand-by mode when no signal is applied to the amplifier input.

Each individual amplifier module shall be adequately fused to avoid destructive damage to the amplifier module, provide protection to the power buss and avoid potential for battery damage and/or fire.

Each individual amplifier module shall be equipped with a light emitting diode or other visual indicator to verify operation of the amplifier stage and/or continuity of the amplifier to driver circuit.

Each speaker cell shall be driven with a minimum of 400 watts RMS, by one dedicated 400-watt RMS amplifier.

Amplifier frequency response shall be within  $\pm 2$  dB, in a frequency range from 300 to 4,000 Hz, to permit intelligible voice reproduction. Total system distortion shall be less than 2% at full rated output.

Specified amplifiers and warning systems shall exhibit a high immunity to audio hum and noise. The use of a transformer balanced line audio input or differential input integrated circuit design, offering a high level of common mode rejection is desirable. Amplifiers shall also exhibit a high level of RF immunity by utilizing appropriate RF choices and capacitive bypassing techniques.

Specified amplifiers shall be designed with sufficient heat sinking and cabinet airflow to permit sustained system operation at high ambient temperatures coupled with high relative humidity.

A lightning arrestor must be provided for each siren. Specifications of the arrestor (*Reference Model, Delta Lightning Arrestor Model LA 302*) are:

- Maximum current: 60,000 Amps
- Maximum energy: 2,000 Joules per line
- Maximum number of surges: Unlimited
- Response time one milliamp test: 5 Nanoseconds

#### **BATTERY CHARGER:**

The control cabinet shall consist of a single 120 VAC tri-mode temperature-compensated battery charger. To work effectively, this battery charger will incorporate:

- Float mode
- Equalization mode
- Bulk re-charge mode

The battery charger(s) for the remote siren system must be temperature compensated and voltage regulated, of a modular design and performs as follows:

- Input: 120 VAC fused at 7 amps.
- Output: 27-31 VDC, at 10 amps.

The battery charger shall incorporate line surge suppression facilities.

#### **BATTERY SUPPLY:**

To minimize future maintenance expense, each voice/siren will require no more than four (4) 115 amp/hr batteries to meet the operational guidelines of these specifications. Bidders must provide a

copy of the siren’s technical manual which describes the number of batteries required, to provide a minimum of 30 minutes of run time, in the absence of electrical power. Failure to provide the proper information and/or failure to bid the proper number of batteries will deem the bid as “non-compliant” and the bidder will be disqualified.

Bidder shall certify that battery capacity specified in the bid proposal shall be sufficient to operate respective remote station outdoor warning system at full-rated output for a minimum for thirty (30) minutes of continuous operation, without recharging.

**MICROPROCESSOR CONTROLLER:**

The microprocessor-based controller shall perform the following:

- Process remote and local station activation inputs
- Control event timing (timing 0-10 minutes)
- Initiate tone generator
- Perform system diagnostics
- Process local and remote voice broadcast

The microprocessor controller shall have the following local controls:

- Siren tone activation to include: WAIL, ATTACK (Fast wail), ALERT (Steady), HI/LOW, AIR HORN, WHOOP and a 5 SECOND TEST -Silent test tone activation and one Digital Voice Message

**TONE GENERATOR:**

The tone generator shall be an integral module within the microprocessor-based controller capable of generating the following warning signals:

TONE	FREQUENCY	SWEEP RATE
WAIL	410-675 Hz	4 sec/ 1 sec
ATTACK	410-490 Hz	1 sec/ 1 sec
ALERT	465 Hz	Steady
HI/LOW	465 / 650 Hz	.8 sec/ .8 sec
WHOOP	300-675 Hz	3 sec
AIR HORN	465 / 650	Modulated/ 1.6 sec

The tone generator will be capable of generating an inaudible tone of at least 20 kHz for the purpose of testing the speaker system and its respective speaker drivers without disturbing the public.

In addition to the six standard siren tones, each siren shall include six optional and distinctively different siren tones. These optional tones shall be an integral part of the siren. The Town of Collierville can choose which set of siren tones they wish to use by using specific hardware and software device that will allow each siren to be reconfigured, at the siren site. The requirements of this hardware & software for reconfiguration are discussed later in these specifications.

**SYSTEM DIAGNOSTIC MONITORING FUNCTIONS:**

The speaker system will produce an inaudible tone for the purpose of testing the speaker system without disturbing the public. The inaudible test shall be capable of being activated by local or radio command.

The radio activated silent test will cause an exercise of the siren system components and a system diagnostic routine, permitting the verification of the following conditions:

- AC Power at operating levels
- DC Power at operation levels
- Partial speaker driver/amplifier operation
- Full speaker driver/amplifier operation

Additional diagnostic status must be made available via radio frequency and shall include:

- Signal-to-noise
- Activation Counter

The inaudible test must be capable of diagnosing each speaker driver and power amplifier. The silent test function must be capable of detecting the failure of a single speaker or power amplifier. Each siren will report the results of the silent test back to the central control station.

**SPEAKER SIGNAL PERFORMANCE:**

Speaker signal performance shall be based upon utilizing the Alert warning tone. The frequency of the Alert tone shall not to exceed 562 Hz.

**VOICE PERFORMANCE:**

The public warning voice/siren system requires that all speaker systems be capable of broadcasting live public address and pre-recorded voice messages. All sirens shall have the capability of utilize the prerecorded voice option; when broadcasting public address messages or delivering a pre-recorded voice messages the siren shall increase its power output by 25% when in the voice mode.

A speech intelligibility analysis will have to be provided, to quantitatively evaluate the voice intelligibility of the siren system as a function of range from the installation site for different ambient noise conditions. The STI or Speech Transmission Index was developed to evaluate the effect of the siren, the transmission environment, and the ambient noise. The STI calculated will be no less than 0.99, indicating the fidelity of the combined amplifier and siren is sufficient to produce undistorted speech. A 3<sup>rd</sup> party engineering analysis will have to be provided.

Bidders shall provide a digital voice option that will provide a minimum of sixteen (16) variable length messages. The pre-recorded voice messages cannot be broadcast from the siren's Public Address function but must be a function performed at the remote siren station.

- The pre-recorded voice option shall provide sixteen (16) variable length messages up to 960 seconds for voice messages.

Prior to any and all pre-recorded voice message, the voice/siren shall deliver a seven (7) second 1 KHz pulsed audio tone. The pre-announcement tone must be integrated into the pre-recorded voice module.

**DECODER:**

The decoder shall be an integral system within the microprocessor controller.

The decoder shall respond to FSK or DTMF signal code. The DTMF code format and dialing rate are as follows:

- Signaling: DTMF 2 of 8 format
- Code Format: The activation word shall consist of a minimum of ten digits DTMF that is transmitted at a rate not to exceed 700ms. The code shall include a three-digit area code, a four- digit station access code and a three-digit equipment and function selection code.
- Dialing Rate: The activation word shall be dialed at the following rate:
  - Tone on: 40 ms
  - Inter-digit interval: 20 ms

The system area code shall be a specific assignment and shall not be capable of accepting wild card digits, all call/group call digits or substitute numbers.

The four-digit station address code shall have the capability to accept wild card digits, all call/group call digits and substitute numbers for the purpose of group call and system wide activation.

The decoder shall reject any activation word sequence that does not meet the signaling criteria described for the 10-digit activation word and code format. Upon reception of an invalid sequence, the decoder will immediately reset. The minimum criteria for activation code rejection are:

- Incorrect area code
- Incorrect address code
- Incorrect group code
- Dialing rate invalid
- Word length invalid

**RADIO CONTROLS**

The sirens will be controlled via radio frequency. The radio control shall be capable of performing silent diagnostic testing on each siren. The siren shall report the status of the test and each activation back, via radio frequency, to the central control base station encoder.

The radio receiver for the siren system shall be incorporated as a module, within the microprocessor controller. The siren system shall be equipped with a two to four watt state of the art transceiver.

**RF LINK FREQUENCIES: (Narrowband with Tone Coded Squelch)**

- Base station transmit frequency: 153.770
- Base station transmit tone squelch: 156.7
- Siren receive frequency: 154.415
- Siren receive tone squelch: 156.7
- Siren transmit frequency: 153.770

- Siren transmit tone squelch: 156.7

The radio antenna shall be a 3dB omnidirectional antenna. Also, a minimum of 35' of antenna cable shall be provided.

Bidder is responsible to ensure proper radio propagation exist at each siren site.

#### **DIAGNOSTIC & TESTING TOOLS**

The Town requires software and hardware that will allow the Town's personnel to reconfigure the siren's functions, as well as provide in-depth diagnostic information. The reconfiguration and diagnostic software must be loaded on either a PDA type device or laptop computer. The connection between the between the hand held or laptop computer and the siren will be via RS-232 cable. Therefore, changes made at a specific siren site cannot have the ability to interfere or affect any other siren. This device shall be capable of changing the length of the siren tones from 1 to 10 minutes, changing the siren's address code and other default settings. In addition to reconfiguration of default settings, this same device shall be able to retrieve the following diagnostic information:

- Retrieve activation counter information.
- Losses of AC counter information.
- Marginal Radio Reception counter and DTMF transmit & received echo.
- Low battery shut down counter information.
- Minimum/Maximum recorded battery voltage information.
- Individual amplifier/speaker driver status.

#### **INSTALLATION:**

The siren system shall be mounted on a 55' "spun" concrete pole utility pole. The bidder will be responsible for providing the required pole, setting the pole, mounting all siren components on the pole.

All wiring must be in rigid steel conduit.

The bidder must install the activation encoder. The installation must be performed by the bidder and the technician installing the activation encoder must be an FCC licensed technician.

#### **SOLAR POWER**

The bidder shall include the cost of solar power panels. The solar power must include two 80-solar panels, solar regulator, mounting bracket and wiring.

All herein specified remote station outdoor warning systems shall be powered directly from a 24 VDC deep cycle battery system.

Specified battery system shall consist of four batteries for systems using nine (9) speaker array systems.

All batteries used shall be standard deep cycle lead calcium type with a minimum 115 Ampere-hours (Ah) rating and reserve capacity in excess of 180 minutes each and shall comply with the requirements of SAE standard J-2185, "Life Test for Heavy-Duty Storage Batteries".

Manufacturer approved batteries shall be supplied from a local area supplier with each remote station outdoor warning system purchased. Warranty cards listing customary pro-rating adjustment schedules shall accompany each battery purchased.

Battery charger(s) shall be temperature compensated and voltage regulated, of a modular design and performs as follows:

- Input: 120 VAC fused at 7 amps.
- Output: 27-31 VDC, at 10 amps.

### **VISUALERT™**

The bidder shall provide a VisuAlert™ with each siren.

Visual warning shall provide 360 degrees of flashing light:

- The visual warning will compliment an omnidirectional siren speaker array
- The visual warning shall be an integral part of the omnidirectional warning system.
- The visual warning shall be designed to attach to new and existing omnidirectional warning system installations, at the base of the speaker array in order to provide maximum protection.

Light Source: Light Emitting Diode (LED) technology light source is required due to low energy requirement with high light output.

- 24 volts DC
- 1.2 amps per light source, at 24 volts
- 2.5 amp total draw for operating visual warning system (only 2 lights on at a time).
- LED color: White
- Lens color: Clear
- Light source output shall be greater than 6,000 peak candela
- Light heads must carry a minimum of two (2) year warranty
- Light sources illuminate in a flashing pattern when siren is active.
- Light control module shall be mounted to the brackets securing the lights to the siren assembly.
- Light source control module will control the light source flash pattern.
- Light source control module will allow (2) light sources to be “powered” at the same time.
- Light source control module will be fully encapsulated and weather proof.
- Light source module must carry minimum of two (2) year warranty
- All wire connections must be water proof connectors.
- Electrical Supply feed is not to exceed 75’ of 14 AWG wire, from siren control box.
- Brackets will be constructed out of 300 series SST.
- All wiring is to be encased in a protective sheathing and anchored to the brackets to protect from damage.
- A Whelen LEDCTRL will be provided with each VisuAlert™ product.

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION V**

**DETAILED REQUIREMENTS / SPECIFICATIONS**

**TECHNICAL SERVICE AGREEMENT**

**TOWN OF COLLIERVILLE, PURCHASING DIVISION  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TN 38017  
PHONE: (901) 457-2253**

**Background**

The Town of Collierville, Tennessee, is a suburb of 46,134 citizens in a 36.1 square mile area just fifteen miles east of Memphis, located in southeast Shelby County, adjacent to Fayette County.

The Town's Outdoor Mass Notification Warning System consisting of fourteen (14) Whelen WPS-2800 (9-cell) high-power voice and siren systems and two (2) Whelen E-2010 Central Station Controllers. Thirteen of the sirens were purchased in 1998 and the fourteenth was purchased in 2000. All fourteen sirens have been upgraded to solar power in the past five years. Each of the fourteen sirens has the ability to produce multiple tones and to broadcast pre-recorded and live vocal messages.

The purpose of the Outdoor Mass Notification Warning System is to alert persons outside of their home, school, business, etc. of impending situations such as tornados, flash floods, Amber Alerts, hazardous material spills, and civil disturbance situations.

In order to ensure the maximum performance and prolong the Outdoor Mass Notification Warning System's life expectancy, the Town has maintained an on-going Technical Service Agreement on the Outdoor Mass Notification Warning System since their initial purchase and the Town performs weekly audible tests to exercise the batteries, amps, drivers and the electronics. The Town runs a weekly diagnostic report on the status of each siren to identify problems and conducts routine field inspections of each siren site on a monthly basis.

**Terms**

The term of the Technical Service Agreement is for one-year, with the opportunity for the Town to renew the contract for four (4) additional 12-month terms, for a total of five-years.

**Scope**

The scope of this Technical Service Agreement is to find a qualified bidder with a high-level of competence and integrity to perform work necessary to assure the operational reliability of the Town's Outdoor Mass Notification Warning System and to maintain the system in a constant state of readiness.

Request for service is typically six to eight times annually; bidder must be on-site within forty-eight (48) hours of request of service to evaluate system failures and take corrective action. This Technical Service Agreement covers labor to repair sirens and associated systems, service equipment, and travel cost as required. These repairs will be made using the customer's spare parts, should additional parts be required the customer will be notified prior to making the repairs. Bidder is responsible for all the necessary service vehicles (bucket trucks, lifts, cranes, etc.) necessary to perform work.

Annual quality assurance and preventive maintenance check includes, but not limited to the following:

- Inspection of the mounting pole

- Antenna Coax
- Power service connections
- Grounding connections
- Inspection of the control cabinet
- Battery cabinet
- Battery chargers
- Load test each battery
- Verify timer functions
- Check the radio receiver and alignment and sensitivity
- Check the radio transmitter alignment

The bidder shall take all the necessary precautions for the safety of the Town, bidder's employees, and the general public. The bidder shall erect and properly maintain all necessary vehicular and facility safeguards for the protection of the workman and the public. If necessary, the bidder shall post appropriate signs to indicate and warn against hazards in and around work sites and post flagmen when necessary to direct traffic. All personal safety equipment shall be worn by the bidder's employees while performing the work requirements of this contract. Any injury to property or surrounding property shall be reported immediately to the fire department's designee and Town Contract Administrator.

#### **Qualifications**

To optimize maintenance, service and support of the Town's sirens, the vendor shall have the following minimum qualifications:

1. Designated Factory Authorized Service Repair Center
2. Designated Factory Authorized Service Repair Technicians who are knowledgeable and experienced with the Town's Outdoor Mass Notification Warning System components:
  - Whelen WPS-2800-09 System
  - Whelen E-2010 Central Station Control
  - Whelen Siren Activation / Monitoring Software
3. In-House Technical Support
4. 24-Hour Emergency Hotline
5. 48-Hour Emergency Response Time
6. Prompt and Courteous Service with Due Diligence

#### **Responsibilities**

To optimize maintenance, service and support of the Town's Outdoor Mass Notification Warning System, the vendor shall provide the following minimum responsibilities:

1. Generate and maintain siren preventative maintenance/repair reports. Copies shall be submitted by email to the fire department's designee within thirty days of any work.
2. Submit detailed end-of-contract maintenance reports on each siren at time of contract renewal.
3. Annual inspection and preventative maintenance program to include, but not limited the following minimum guidelines:

#### **Visual Siren Site Physical Inspection**

- Observe the speaker cluster, siren cabinet and solar-power for any signs of damage or loose mounting hardware

- ❑ Check all conduits for watertight connection and entrance into the siren cabinet.
- ❑ Inspect the power supply for damage, blown fuses, degraded (corroded) power connections and integrity of the lightning arrestor.
- ❑ Inspect the grounding system for power service, siren cabinet and pole top equipment. Verify connections and acceptability of earth ground.
- ❑ Observe the pole for any shifting and/or leaning. Poles that are not plumb will not properly direct alerting sounds.
- ❑ Examine entire station for any signs of vandalism or forced entry.

#### **Siren Cabinet and Components**

- ❑ Inspect power supply, fuse and surge suppression equipment. Examine system for infiltration of foreign material(s), rodents or other pests.
- ❑ Inspect and, if necessary, clean all drain holes and vent screens.
- ❑ Inspect battery terminal connections and clean if necessary. Re-apply silicone coating to battery terminals if necessary. Observe battery voltage with siren in inactive state
- ❑ Examine all wiring harnesses for chafing. Verify wiring terminations for tightness and wiring connections for proper electrical connections. Replace and correct any corroded or marginal connections. Inspect antenna for proper connection.

#### **Speaker Assembly and Pole Top Equipment**

- ❑ Inspect speaker for blockage by rodents, pests or other foreign material. Clean if necessary. Inspect any wiring cables or harnesses for chafing. Inspect the siren driver compartment for infiltration of foreign materials, rodents or pests. Clean if necessary. Confirm that the driver compartment will allow for water or moisture drainage. Inspect speaker-wiring connections for any sign of corrosion.
- ❑ Verify tightness of all mounting hardware.
- ❑ Check all wiring terminations and connections.

#### **Station Performance Testing**

- ❑ Local and Remote Activation - Activation of each remote siren function by local control and remote control (with amplifiers on and off line as needed). An examination of each activation function will also facilitate a verification of related and subsequent system module activations and electrical connections that would be caused by an activation command. Also confirm function time outs (example: does the alert signal time out at three minutes as per user specification?).
- ❑ Response to Station Address and All-Call address programming - Control Center reception and activation on SI TEST® or non-tone activation, for individual station address and All-Call address selection.
- ❑ Public Address - With the station on line, activation of PA for both local and remote control, verifying PA Audio path and proper set up level of volume. Verify power supply drop out on PA.
- ❑ Siren Amplifiers - Inspect for complete operation with speaker drivers (observe LED's).
- ❑ SI TEST® Station Analysis - Observe and confirm diagnostic status of: AC, DC, Partial Amplifier & Speaker Driver Operation (disable one amplifier to confirm this

test), Full Amplifier & Speaker Driver Operation. Verify power supply drop out during SI TEST<sup>®</sup> mode.

- ❑ Battery Charger Operation - Observe for proper charging operation. Verify power supply drop out in PA or SI TEST<sup>®</sup> mode.
- ❑ Batteries - Verify voltage stability under load. Perform a load test.
- ❑ Status Encoder - Perform a diagnostic SI TEST<sup>®</sup> of the station. Compare status information with observations made locally at the station. Disable one speaker and verify that the "Full" LED indicator is off. Disable power supply and verify that the "power supply" LED indicator is off. Compare battery voltage return status with observed and measured battery voltage.
- ❑ Transmitter - Check status encoder DTMF tone level modulation with transmitter. Check transmitter set up. Verify power output and SWR - Note: On concluding any examination of a siren where connectors have been opened and closed, a final radio test by either SI TEST<sup>®</sup> or full power should be performed and the results observed for a complete successful test. The PA audio path should also be audibly verified by sending PA and broadcast a voice message.

The following is a sample Preventative Maintenance Checklist, which may be used and submitted for annual inspection and maintenance.



**Preventative Maintenance Check**

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Siren Number: \_\_\_\_\_ Address: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Model: Vortex  2900   
 Silent Test: OK  Failed

**DRIVER TEST** ✓= Pass, X = Fail

	1	2	3	4	5	6	7	8	9	10
Driver										
AMPS										
Passed										
Failed										

**SIREN CHECKS**

Batteries	Passed	Failed
Battery Voltage (record voltage)		
AC Voltage (120-123VAC):	Passed	Failed
Battery Charger:	Passed	Failed
Solar Panel (record voltage)		
Atmospheric Conditions	Sunny	Cloudy
Siren Stack	Normal	Needs Repair
Siren Cabinet	Normal	Needs Repair
Siren Pole		
Antenna		
Coax Loose to Pole		

**MOSCAD BOX**

Radio	Power Output	Reflected Power
CPU	Normal	Failed
Wiring to Siren	Passed	Needs Repair

Please make any Technician notes or identify any parts replaced in this area:

Inventory & Location  
Outdoor Mass Notification Warning System

	<b>Siren Number</b>	<b>Siren Location</b>
1)	1002	1312 S. Byhalia (Adjacent to south entrance Estanaula Subdivision)
2)	1003	288 E. South (East of Mt. Pleasant Rd., adjacent to Philips Industries)
3)	1004	441 W. White (Intersection of White and Queen Oaks Rd.)
4)	1005	193 W. Shelton (Adjacent to Firehouse # 3)
5)	1007	920 Collierville-Arlington (Adjacent to bridge at Cedarbrook)
6)	1008	280 W. Hwy 72 (Hwy 72 & Sycamore, adjacent to NAPA)
7)	1009	1035 Frank Road, (In front of Standard Construction)
8)	1010	265 S. Bailey Station (Bailey Station & Pinkston Parkway)
9)	1011	151 S. Byhalia (Adjacent to Water Plant # 2, north of Carrier Corp.)
10)	1012	10326 Frank (Adjacent to bridge, east of County Place E., Houston Downs)
11)	1013	501 Poplar View Parkway (Behind New Town Library)
12)	1014	758 Wolf River Blvd. (Adjacent to pumping lift station at Beckenhall)
13)	1015	4525 Fleming Rd. (Water Plant # 4, near Shelby Drive)
14)	2001	1500 Wolf River Blvd (entrance of northwest Water Treatment Plant)

	Siren Number	Siren Location

**Primary Control Site** (Police/Fire Communications - Keough Road)

- Whelen E-2010 Central Station Control

**Backup Control Site** (Firehouse #4 - 2823 Houston Levee Road)

- Whelen E-2010 Central Station Control

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

**SECTION VI**

**BID RESPONSE FORM**



# BID RESPONSE FORM

**Stan Joyner**  
Mayor

**Town of Collierville**  
General Services Department  
500 Poplar View Parkway  
Collierville, Tennessee 38017  
(901) 457-2253

**James H. Lewellen**  
Town Administrator

**Derek Honeycutt**  
Director of General Services

**POSITIVELY NO BIDS CONSIDERED UNLESS SUBMITTED ON THIS FORM**

**BID NO.: TC-2012-33**

ALL SEALED BIDS MUST BE RECEIVED AND TIME STAMPED ON OR BEFORE **MONDAY, OCTOBER 22, 2012, 2:00:00 P.M. (LOCAL TIME)** IN THE OFFICE OF THE DIRECTOR OF GENERAL SERVICES, 500 POPLAR VIEW PARKWAY, COLLIERVILLE, TENNESSEE 38017, AT WHICH TIME OR SOON THEREAFTER THE BIDS WILL BE PUBLICLY OPENED AND READ ALOUD IN THE TOWN BOARD CHAMBERS.

IF YOU DO NOT RESPOND TO THIS REQUEST FOR BID WITH A **“BID”** OR **“NO BID”**, WE WILL ASSUME THAT YOU NO LONGER WISH TO BID ON THE COMMODITY INDICATED BELOW, AND YOUR COMPANY’S NAME MAY BE REMOVED FROM THE MAILING LIST.

**\*\*REQUIRED TO SUBMIT BID: TOWN OF COLLIERVILLE VENDOR # \_\_\_\_\_**  
(See Public Notice Form for Information on Obtaining a Vendor #)

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	
				DOLLARS	CENTS
1	2	Whelen WPS2909 Mass Notification Warning Siren (Including Installation & Set-up).....			
<b>LUMP SUM TOTAL</b>					

DELIVERY PROMISED: \_\_\_\_\_ F.O.B. COLLIERVILLE

TERMS: \_\_\_\_\_ Discounts will be allowed for prompt payment as follows: 10 calendar days, \_\_\_\_%; 15 calendar days \_\_\_\_%; 20 calendar days \_\_\_\_%; 30 calendar days \_\_\_\_%.  
45 calendar days, \_\_\_\_%; 60 calendar days \_\_\_\_%; 90 calendar days \_\_\_\_%; \_\_\_\_\_ calendar days \_\_\_\_%.

FIRM’S NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

Organized and existing under the laws of the State of \_\_\_\_\_ and doing business as \_\_\_\_\_ a corporation, \_\_\_\_\_ a partnership, \_\_\_\_\_ an individual, \_\_\_\_\_ a limited liability company, or \_\_\_\_\_ otherwise.

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



# BID RESPONSE FORM

**Stan Joyner**  
Mayor

**Town of Collierville**  
General Services Department  
500 Poplar View Parkway  
Collierville, Tennessee 38017  
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IF YOU DO NOT RESPOND TO THIS REQUEST FOR BID WITH A **“BID”** OR **“NO BID”**, WE WILL ASSUME THAT YOU NO LONGER WISH TO BID ON THE COMMODITY INDICATED BELOW, AND YOUR COMPANY’S NAME MAY BE REMOVED FROM THE MAILING LIST.

**\*\*REQUIRED TO SUBMIT BID: TOWN OF COLLIERVILLE VENDOR # \_\_\_\_\_**  
(See Public Notice Form for Information on Obtaining a Vendor #)

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	
				DOLLARS	CENTS
<b>1</b>	<b>1</b>	<b>Annual Fee – Technical Service Agreement.....</b>			
<b>LUMP SUM TOTAL</b>					

DELIVERY PROMISED: \_\_\_\_\_ F.O.B. COLLIERVILLE

TERMS: \_\_\_\_\_ Discounts will be allowed for prompt payment as follows: 10 calendar days, \_\_\_\_%; 15 calendar days \_\_\_\_%; 20 calendar days \_\_\_\_%; 30 calendar days \_\_\_\_%.  
45 calendar days, \_\_\_\_%; 60 calendar days \_\_\_\_%; 90 calendar days \_\_\_\_%; \_\_\_\_\_ calendar days \_\_\_\_%.

FIRM’S NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

Organized and existing under the laws of the State of \_\_\_\_\_ and doing business as \_\_\_\_\_ a corporation, \_\_\_\_\_ a partnership, \_\_\_\_\_ an individual, \_\_\_\_\_ a limited liability company, or \_\_\_\_\_ otherwise.

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

## **SECTION VII**

### **TITLE VI INFORMATION**

**TITLE VI INFORMATION**

- 1. The Town of Collierville agrees to comply with the Title VI of the Civil Rights Act of 1964 (42 U.S.C. 200d, et seq.), and the Department of Transportation Implementing Regulations (49 CFR Part 21) relative to the Contract which is the subject hereof.
- 2. The Contractor is requested, but is not obligated, to include the following disclosure information, Voluntary Title VI and Title IX Form, with the Contractor's sealed bid.

**VOLUNTARY TITLE VI AND TITLE IX FORM**

Attach form to sealed bid

For Title VI and Title IX compliance, the Contractor's voluntary disclosure of the following information is requested.

- 1. Number of Contractor's Employees Who Are:

\_\_\_\_\_ Male                      \_\_\_\_\_ Female

- 2. Number of Contractor's Employees Who Are:

\_\_\_\_\_ Caucasian                      \_\_\_\_\_ African-American  
 \_\_\_\_\_ Hispanic                      \_\_\_\_\_ Other (please specify)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

**SECTION VIII**

**VENDOR LIST**

**TOWN OF COLLIERVILLE, PURCHASING DIVISION  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TN 38017  
PHONE: (901) 457-2253**

Vendor List  
TC2012-33 "Outdoor Warning Sirens"

McCord Communications  
Rebecca Tillman  
1508 Noble Street  
Anniston, AL 36201  
Email: rebecca.tillman@mccordcomm.com  
Phone: (256)241-4712  
FAX: (256)237-6631

SafetyCom, Inc.  
David Miller  
112 Smarthouse Way  
North Little Rock, AR 72114  
Email: dbmiller@safetycom.com  
Phone: (501)375-6300  
FAX: (501)372-2221

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

**SECTION IX**

**REFERENCE SHEET**

**TOWN OF COLLIERVILLE**

**REFERENCE SHEET FOR BID NO. TC2012-33**

Each bidder shall submit with their bid a list of at least three (3) customers, which contracted services similar to what we are specifying herein sometime during the past twelve months. The listing shall include a contact name with phone number, since it is the intent of the Town of Collierville to call all names submitted for verification and recommendations.

(1)	NAME OF COMPANY:
	ADDRESS:
	PHONE NUMBER:
	CONTACT:

(2)	NAME OF COMPANY:
	ADDRESS:
	PHONE NUMBER:
	CONTACT:

(3)	NAME OF COMPANY:
	ADDRESS:
	PHONE NUMBER:
	CONTACT:

**SEALED BID No. TC2012-33**  
**DUE DATE: 10-22-2012**



**TOWN OF COLLIERVILLE**  
GENERAL SERVICES DEPARTMENT  
500 POPLAR VIEW PARKWAY  
COLLIERVILLE, TENNESSEE 38017

**SECTION X**

**CONTRACT FOR SERVICES AND/OR PRODUCTS**



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**TOWN OF COLLIERVILLE**  
**GENERAL SERVICES DEPARTMENT**  
**Purchasing Division**  
**MEMORANDUM**

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**TO:** ALL TC2012-33 PLAN HOLDERS  
**FROM:** MANDY BAJUSZ, PURCHASING AGENT  
**SUBJECT:** ADDENDUM #1  
**DATE:** 10/17/2012  
**CC:** TC2012-33 FILE

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A D D E N D U M N O. 1

The following questions have been asked by a vendor:

**Q:** When contractor is installing the sirens, will they need to obtain any city permits or licenses to complete the project? Do you know specifically what type of permits will be required to complete a project of this caliber?

**A:** Per the Town's Fire Marshall and Chief Code Inspector, this project would not require any town permits or fees.

Vendor shall acknowledge receipt of this Addendum #1 consisting of 1 pages by signing and dating below. Please fax back to (901) 457-2258.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Date

**EXHIBIT "B"**  
**CONTRACTOR'S Bid**



# BID RESPONSE FORM

**Stan Joyner**  
Mayor

**Town of Collierville**  
General Services Department  
500 Poplar View Parkway  
Collierville, Tennessee 38017  
(901) 457-2253

**James H. Lewellen**  
Town Administrator

**Derek Honeycutt**  
Director of General Services

**POSITIVELY NO BIDS CONSIDERED UNLESS SUBMITTED ON THIS FORM**

**BID NO.: TC-2012-33**

ALL SEALED BIDS MUST BE RECEIVED AND TIME STAMPED ON OR BEFORE **MONDAY, OCTOBER 22, 2012, 2:00:00 P.M. (LOCAL TIME)** IN THE OFFICE OF THE DIRECTOR OF GENERAL SERVICES, 500 POPLAR VIEW PARKWAY, COLLIERVILLE, TENNESSEE 38017, AT WHICH TIME OR SOON THEREAFTER THE BIDS WILL BE PUBLICLY OPENED AND READ ALOUD IN THE TOWN BOARD CHAMBERS.

IF YOU DO NOT RESPOND TO THIS REQUEST FOR BID WITH A "BID" OR "NO BID", WE WILL ASSUME THAT YOU NO LONGER WISH TO BID ON THE COMMODITY INDICATED BELOW, AND YOUR COMPANY'S NAME MAY BE REMOVED FROM THE MAILING LIST.

**\*\*REQUIRED TO SUBMIT BID: TOWN OF COLLIERVILLE VENDOR # 00003051**  
(See Public Notice Form for Information on Obtaining a Vendor #)

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	
				DOLLARS	CENTS
1	1	Annual Fee – Technical Service Agreement.....	\$12,620	\$12,620	
<b>LUMP SUM TOTAL</b>				\$12,620	

DELIVERY PROMISED: Immediately available upon award F.O.B. COLLIERVILLE

TERMS: Net 30 Discounts will be allowed for prompt payment as follows: 10 calendar days, 2 %; 15 calendar days 2 %; 20 calendar days 3 %; 30 calendar days     %; 45 calendar days,     %; 60 calendar days     %; 90 calendar days     %;     calendar days     %.

FIRM'S NAME: ANS Services, LLC ADDRESS: 1 Kildeer Ct. Suite 4

Organized and existing under the laws of the State of New Jersey and doing business as     a corporation,     a partnership,     an individual, X a limited liability company, or     otherwise.

CITY: Swedesboro STATE: New Jersey ZIP: 08085

TELEPHONE: 856-469-4450 FAX: 856-241-9108 EMAIL: RRoe@ans-service.com

NAME: Richard Roe TITLE: Director of Operations

AUTHORIZED SIGNATURE:  DATE: 10/19/2012



Mr. Derek Honeycutt  
Director of General Services

Town of Collierville  
Purchasing Division  
500 Poplar View Parkway  
Collierville, TN 38017

RE: TC2012-33  
Response to Section V, Detailed Requirments/Specifications – Service Agreement

Dear Mr. Honeycutt;

Attached, please find our proposal for maintenance services on your outdoor warning system. Our company description, history, references and descriptions of our service offerings and maintenance philosophies are included as well as proposed pricing.

We feel that our experience and level of service will provide you with optimum performance and reliability. Trending reports for our existing client base show drastic improvement in system performance based on our level of service versus the results of other contractors. In addition, our technicians have had Whelen factory training and are experienced in handling Whelen equipment.

Please review the attached material and pricing. Feel free to contact us if you require any additional information or have any questions.

We look forward to the opportunity of servicing your siren system.

Sincerely,

Richard Roe  
Director of Operations  
ANS Services, LLC  
1 Killdeer Ct, Suite 4  
Swedesboro, NJ 08085  
(856) 469-4450



ANS Services, LLC benefits from over 50 years in installing, maintaining and monitoring mass notification siren systems in a multitude of applications across the country and abroad. Our clients include nuclear plants, military bases, municipalities and universities.

Our skilled technicians are trained to install, repair, maintain and troubleshoot equipment from all of the major siren manufacturers. We offer best in class project management support and perform the highest quality service to ensure optimum performance.

Currently, ANS Services maintains and monitors thousands of sirens across the US and trending shows that our customers benefit from improved system operation, reduced repair costs and comprehensive system monitoring.

Some of our valuable add-on services include: ◦

- 24/7 system monitoring and support
- Remote troubleshooting, testing and monitoring
- Customer access to the Technical Request Database
- Emergency services
- Audit support

Some of our satisfied customers include:

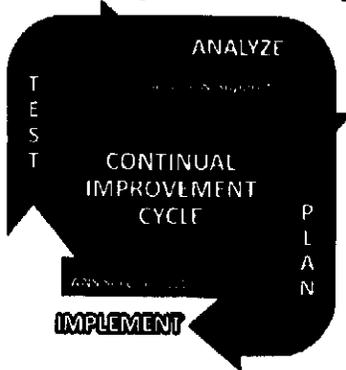
- Exelon Nuclear (NJ, PA)
- Grand Gulf Nuclear (LA)
- Hamilton County (OH)
- South Texas Project (TX)
- Entergy Nuclear (NY, VT)
- Aberdeen Proving Ground (MD)
- Ft. Belvoir (VA)
- PSEG Nuclear (NJ)
- PPL Nuclear (PA)
- Kewaunee Nuclear (WI)

## **MAINTENANCE PHILOSOPHY**

Our goal at ANS Services is to not only provide the best in class preventive maintenance and restoration services to our clients, but also to help our clients manage their life safety systems. Through comprehensive system maintenance, monitoring and support our clients achieve and maintain highest reliability performance.

## **ANS SERVICES' CONTINUAL IMPROVEMENT CYCLE**

A Continual Improvement Cycle has been developed and implemented to better coordinate the processes involved with providing our clients with the best service and support possible. This model demonstrates ANS Services' proactive approach to improving system performance.



1. **ANALYZE** – Analyze current system performance through comprehensive system performance trending.
2. **PLAN** – Create System Improvement Plans (SIPs) based on analysis to improve system performance and reliability.
3. **IMPLEMENT** – Manage the implementation of SIPs to ensure planned goals are met.
4. **TEST** – Test the results of SIPs to gauge the effectiveness of system analysis and validate the results of improvement planning.

### **ANS SERVICES' STANDARD SUPPORT CONTRACT**

The following describes ANS Services standard support contract offerings for our clients. As this documents intent is to describe standard items, it is important to understand that support contracts can be customized on a client by client basis.

#### **SYSTEM CARE MANAGER – Value added service included**

A key concept to ANS Services support model is the role of our System Care Manager (SCM). ANS Services assigns a System Care Manager to all of the siren systems within our clients' inventory.

The SCM has the primary goal of implementing the Continual Improvement Cycle and driving towards 100% system reliability. The SCM's function is to continually evaluate system performance, client requirements, and industry trends to ensure that the client achieves and maintains highest reliability performance. Using the Continual Improvement Cycle, your SCM will prepare for and present system statistics during monthly siren system meetings, either onsite or via teleconference, as desired. Your SCM will act as a single point of contact for all preventive maintenance, corrective maintenance, and support contract needs.

#### **SYSTEM MONITORING AND PERFORMANCE TRENDING – Value added service included**

ANS Services does not wait to react, we strive to prevent. Our goal is to be the primary care giver for your siren system. With your cooperation, the SCM assigned to your siren system will perform the following system monitoring and performance trending as part of the Continual Improvement Cycle.

- **Collect Test Results** – Where possible ANS Services receives all daily, weekly, quarterly and annual system test reports. These reports are analyzed and the data is used to create trending reports.
- **Monthly Log File Analysis** – Although the daily test results provide a solid picture of system performance, there is additional technical information available in the raw system log files. On a monthly basis, your System Care Manager will visit each control point, copy the previous months log files and analyze the raw system log files line by line to provide a more detailed



analysis of system performance and trending. This analysis will be provided in the monthly system report from the SCM during the monthly siren system meeting.

- **24/7 Support Hotline** - For many of our clients ANS Services is the first point of contact when a system error occurs. We provide a 24/7 emergency hotline to be used by EOC personnel at the system control points. The hotline is used to contact our technical support staff and report system issues, or to resolve an issue over the phone. Once notified of an issue our technical staff will notify the appropriate personnel and apprise them of the issue and path forward.
- **Remote Access** – With your support, your' SCM and ANS Services' technical staff will manage remote access to system control points. This access can help alleviate the need of support from EOC resources during system maintenance and testing.
- **24 hours a day, seven days a week, 365 days a year monitoring**

### **PREVENTIVE MAINTENANCE**

To provide our clients with top quartile performance and to continually drive towards 100% reliability, ANS Services has developed the most comprehensive support package to offer our clients.

**Complete PM – \$7,820 per year (16 sites)** The Complete PM includes performing the maintenance, inspection and tuning criteria for the effected site integrating the preventive maintenance procedures of the equipment manufacturer, ANS Services maintenance procedures and procedures described in the RFQ TC-2012-33, Section V, Detailed Requirements/Specifications. The Complete PM includes maintenance activities on the entire siren site from the grounding system to the siren head. ANS Services recommends Complete PM services be performed once per year.

### **CORRECTIVE MAINTENANCE**

As per specifications set forth in RFQ TC-2012-33, Section V, Scope, ANS Services will provide annual service as needed, including labor to repair sirens and associated systems, service equipment and travel costs. We will provide this service within (48) hours of the service request. Repairs will be made using the Customer's spare parts. Should additional parts be required, ANS Services will notify the customer prior to making repairs. ANS Services will provide all of the necessary service vehicles necessary to perform the work.

**Annual Service - \$4,800 per year** The annual corrective maintenance package will include all labor, vehicles and mobilization as required.

### **SERVICE RESPONSE TIME**

ANS Services will provide service within 48 hours of request of service to evaluate system failures and take corrective action in accordance with the requirements described in the RFQ TC-2012-33, Section V, Scope.



### **ADDITIONAL INFORMATION**

ANS Services owns and operates our own fleet of 40', 65', 75' bucket trucks and material handlers. ANS Services owns and operates pole setting equipment to support our clients in the event of storm or other disaster. In addition to ANS Services' resources, we have strategic agreements in place with nationwide utility equipment providers to augment our resources if required.

We operate a 24/7 toll free hot-line for emergency service requests. This number can be utilized by EOC personnel to report system issues around the clock. The effected systems SCM will be your single point of contact for repair status and restoration planning.

### **ANNUAL SUMMARIZATION**

#### **Year One Summary:**

Complete PMs (16) total sites:	\$7,820
Corrective Maintenance:	\$4,800
24/7 365 Monitoring	No Charge
<b>Year One Total:</b>	<b>\$12,620</b>

#### **Year Two Summary:**

Complete PMs (16) total sites:	\$7,820
Corrective Maintenance:	\$4,800
24/7 365 Monitoring	No Charge
<b>Year Two Total:</b>	<b>\$12,620</b>

#### **Year Three Summary:**

Complete PMs (16) total sites:	\$7,820
Corrective Maintenance:	\$4,800
24/7 365 Monitoring	No Charge
<b>Year Three Total:</b>	<b>\$12,620</b>

#### **Year Four Summary**

Complete PMs (16) total sites:	\$7,820
Corrective Maintenance:	\$4,800
24/7 365 Monitoring	No Charge
<b>Year Three Total:</b>	<b>\$12,620</b>

#### **Year Five Summary:**

Complete PMs (16) total sites:	\$7,820
Corrective Maintenance:	\$4,800
24/7 365 Monitoring	No Charge
<b>Year Three Total:</b>	<b>\$12,620</b>