

**CONTRACT FOR E911 GIS DATABASE SUPPORT
AND MAINTENANCE**

This **Contract** is entered into by and between **Levy County, a political subdivision of the State of Florida**, whose address is 310 School Street (or P.O. Box 310) Bronson, FL 32621 (the "County") and **VSE Corporation, a Delaware corporation**, whose address is 6348 Walker Lane, Alexandria, VA 22310 (the "Contractor.")

WITNESSETH: That for and in consideration of the payments and agreements hereinafter set forth:

1. **Project:** Contractor shall commence and furnish services as outlined in the Statement of Work, attached hereto as Exhibit "A" - professional services for E9-1-1 geographic information system (GIS) support in a manner consistent with industry standards and applicable laws, codes and customs (the "Project"). Contractor shall furnish all of the materials, supplies, tools, equipment, labor and other services necessary for the completion of the Project described herein.

2. **Term:** The term of this Contract shall be from October 4, 2023 through October 3, 2024 (the "Term").

3. **Contract Price:** Contractor agrees to perform all of the work described in the Contract Documents for the satisfactory completion of the Project for the total annual fee of One Hundred Twenty Seven Thousand Eight Hundred Thirty Six and 00/100 Dollars (\$127,836.00), said amount being the total price. The Contract price shall not be increased in the total amount stated herein without a written change order executed by the County, notwithstanding increased quantities or conditions which may be needed to perform Contractor's obligations hereunder, nor shall the Contractor be entitled to any additional time or payment for time required for the submission and consideration of any such change order request. This paragraph shall not apply to work or services provided when required to alleviate an emergency condition not caused by the Contractor's actions or omissions.

4. **No General Obligation:** The County is not obligated to pay hereunder any sum of money in excess of the amount budgeted therefor in the budget for the current fiscal year. In the event the Project extends beyond the County's current fiscal year, the County will not be obligated to pay hereunder unless sufficient funds are included in the adopted budget(s) for that (those) fiscal year(s). The County will undertake good faith efforts to include sufficient funds in the adopted budget(s) for that (those) fiscal year(s). In no event shall any obligation of the County under this Contract be or constitute a pledge of the ad valorem taxing power of the County within the meaning of the Constitution of the State of Florida or any other applicable laws. Neither the Contractor nor any other party shall ever have the right to compel the exercise of the ad valorem taxing power of the County in any form on any real or personal property to pay the County's obligations or undertakings hereunder.

5. **Payment:** Payments will be made by the County from quarterly invoices submitted by the Contractor to the Levy County E 911 Department, 9150 NE 80th Avenue, Bronson, FL 32621.

Each invoice shall be accompanied by the appropriate deliverables. Upon submission of a proper invoice and confirmation of satisfactory completion of work, the County will process the invoice for payment.

6. Payment Not a Waiver or Acceptance: No payment to Contractor, nor any use of the Project by County, shall be interpreted or construed to constitute acceptance of any work not in strict compliance with the Contract, and Contractor expressly accepts the risk that defective work may not be detected (1) during any inspection by County, (2) prior to making of any payment to Contractor, or (3) before County's use of the Project.

7. Claims of Subcontractors: All work performed hereunder shall be accomplished in a manner that will result in no liens, claims or encumbrances being imposed on the County's property or suits brought against the County. Contractor shall ensure prompt payment of all subcontractors and materialmen utilized by Contractor on the Project. In the event any materialman or subcontractor of Contractor should file any lien on the property of the County or otherwise file a claim against the County, Contractor shall obtain the release and satisfaction of the lien or claim within ten (10) days of its filing. Contractor shall be liable for any consequential damages to the County resulting from the filing of any lien or claim.

8. Contract Documents: The term "Contract Documents" means and includes the following, which are hereby incorporated by reference and made a binding part of this Contract:

- A. This Contract
- B. Statement of Work - Exhibit "A"

In the event of inconsistency or ambiguity between any of the Contract Documents, the documents shall control the others in the above order of priority.

9. Complete Agreement: This Contract constitutes the entire and exclusive agreement between County and Contractor with reference to the Project. This Contract supersedes any and all prior documents, discussions, communications, representations, understandings, negotiations or agreements by and between the parties.

10. Assignment: This Contract may not be assigned except at the prior written consent of County, and if so assigned, shall extend and be binding upon the successors and assigns of Contractor.

11. Statutory Disclosures:

A. **Public Entity Crime:** As provided by Florida Statute 287.133(2)(a), a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or a public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a

contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute 287.017 for Category Two for a period of 36 months from the date of being placed on the convicted vendor list. Any person must notify the County within 30 days after a conviction of a public entity crime applicable to that person or to an affiliate of that person. By its execution hereof, Contractor certifies that neither it nor an affiliate is on the convicted vendor list.

B. Activities in Certain Countries:

Pursuant to Florida Statute 287.135(2), the County does not contract with a company that is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statute 215.4725, or is engaged in a boycott of Israel. The County may terminate this Contract if the Contractor is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

12. Grant Provisions:

The parties agree that the following provisions from the Department of Management Services grant agreement shall apply and the Contractor shall comply therewith:

- A. The Contractor and any subcontractors shall (i) be bound by the Additional Terms and Conditions for State Grant S23-23-05-07, as applicable and (ii) be bound by all applicable state and federal laws and regulations.
- B. The Contractor will take the five affirmative steps described in 2 C.F.R. §200.321(b) with respect to contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.
- C. Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141-3144 and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must pay wages not less than once a week.
- D. Contractor shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States").
- E. Suspension and Debarment

(1) This Contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the Contractor is required to verify that none of the Contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by the County. If it is later determined that the Contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the State of Florida and the County, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The Contractor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The Contractor further agrees to include a provision requiring such compliance in its lower tier covered transactions.

F. Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

G. Contractor must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the EPA at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

H. Instructions for Lower Tier Participant Certification

The provisions in this section are required by Section f)7., Certifications Regarding Debarment and Suspension, of the Revised NOFO. For purposes of this section, the Department of Management Services is the primary tier participant; the County and all vendors with which the County contracts to perform work pursuant to the grant agreement are lower tier participants; and "proposal" means the grant agreement.

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below and agrees to comply with the requirements of 2 CFR Parts 180, 1200 and 1326.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms covered transaction, civil judgment, debarment, suspension, ineligible, participant, person, principal, and voluntarily excluded, as used in this clause, are defined in 2 CFR Parts 180, 1200 and 1326. You may contact the person to whom this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Instructions for Lower Tier Participant Certification" including the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions and will require lower tier participants to comply with 2 CFR Parts 180 and 1200.
7. A participant in a covered transaction may rely upon a certification of a

prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR Part 9, Subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any prospective lower tier participants, each participant may, but is not required to, check the System for Award Management Exclusions website (<https://www.sam.gov>).

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

13. Administration of Contract: Levy County E911 Coordinator shall administer this Contract for the County. Debra Daniel shall administer this Contract for the Contractor.

14. Notices: Any notices hereunder shall be provided by hand delivery, certified U.S. Mail (return receipt requested) or by a nationally-recognized delivery service (with proof of delivery) to the other Party in writing at the address specified in the opening paragraph hereof. Additionally,

a corporate officer of Contractor or the on-site superintendent in charge of the Project are appropriate persons to receive notice on behalf of Contractor. All notices shall be effective upon receipt.

15. Binding Effect; Governing Law: The parties acknowledge that they have thoroughly read this Contract and have sought and received whatever legal advice as was necessary for them to form a full and complete understanding of all rights and obligations herein. The language of this Contract has been agreed to by both parties to express their mutual intent and no rules of strict construction shall be applied against either party hereto. This Contract shall be interpreted and governed according to the Laws of the State of Florida. Contractor submits to the jurisdiction of Florida courts over it. Venue for all actions involving this Contract shall be in Levy County.

16. Amendments: No amendment or variation from the terms or conditions of this Contract shall be valid unless in writing and signed by the parties.

17. Indemnity: The Contractor agrees to be liable for any and all damages, losses, and expenses incurred, by the County, in any way related to the services provided herein and this Agreement, caused by the acts and/or omissions of the Contractor, or any of its employees, agents, sub-contractors, representatives, volunteers or the like. The Contractor agrees to indemnify, defend and hold the County harmless for any and all such claims, suits, judgments or damages, losses and expenses, including but not limited to, court costs, expert witnesses, consultation services and attorney's fees, arising from any and all acts and/or omissions of the Contractor, or any of its employees, agents, sub-contractors, representatives, volunteers, or the like through and including any appeals in any way related to the services provided herein and this Agreement. Said indemnification, defense, and hold harmless actions shall not be limited by any required insurance coverage amounts set forth herein and shall survive termination or natural termination of this Agreement.

18. Contractor to Repair Property Damage Caused by the Contractor: Contractor agrees to promptly repair and/or replace, or cause to have repaired and/or replaced, at its sole cost and expense and in a manner acceptable to and approved by the County, any property damage arising out of, or caused by, the willful or negligent acts of the Contractor, or of its sub-contractors. The Contractor's obligation under this section does not apply to property damage caused by any other consultant or contractor engaged directly by the County. The County reserves the right, should the Contractor fail to make such repairs and/or replacement within a reasonable period of time, to cause such repairs and/or replacement to be made by others and for all costs and expenses associated with having such repairs and/or replacement done to be paid for by the Contractor, or by the Contractor reimbursing the County for all such costs and expenses.

19. Insurance: Before performing any work, Contractor shall, at its sole cost and expense, procure and maintain throughout the term of this Contract insurance policies in minimum coverages and limits stated below, or in such amounts as otherwise required by Florida law. Contractor shall provide County with Certificates of Insurance signed by a person authorized by that insurer to bind coverage. The County ("Levy County, a political subdivision of the State of Florida, its elected officials, officers, employees, agents, and volunteers") is to be

specifically included as an additional insured on all policies except Workers' Compensation. In the event the insurance coverage expires prior to completion of the Project, a renewal certificate shall be issued 30 days prior to said expiration date. In addition, each policy shall provide a 30 day advance notification clause in the event of expiration, cancellation, non-renewal or any material change in coverages or limits. Any and all deductibles to any insurance policy are the responsibility of the Contractor. The required insurance provided by Contractor shall be considered primary insurance over and above any other insurance, or self-insurance available to County, which shall all be considered secondary to, or in excess of, the insurance coverage(s) required herein. Nothing herein shall be construed to extend County's liability beyond that provided in Section 768.28, Florida Statutes.

A. Commercial General Liability: Contractor shall have and maintain throughout the duration of the Contract Commercial General Liability (CGL) Insurance with limits of at least \$300,000 each person/each occurrence. If such CGL insurance contains a general aggregate limit, it shall apply separately to this location/project in the amount of at least \$600,000. Products and completed operations aggregate shall be no less than \$600,000. CGL insurance shall be written on an occurrence form and shall include bodily injury and property damage liability for premises, operations, independent contractors, products and completed operations, contractual liability, broad form property damage and property damage resulting from explosion, collapse or underground (x,c,u) exposures, personal injury and advertising injury. Damage to rented premises shall be included at \$100,000.

B. Commercial Automobile Liability: Contractor shall have and maintain throughout the duration of the Contract Commercial Automobile Liability Insurance with limits of at least \$1,000,000 each person/each accident for bodily injury and property damage liability arising out of any auto (including owned, hired and non- owned autos). Contractual liability coverage shall be provided.

C. Workers Compensation: Unless exempt, Contractor shall have and maintain throughout the duration of the Contract Worker's Compensation Insurance in accordance with State law and Employer's Liability coverage with a limit of at least \$1,000,000 each accident, \$500,000 each employee, and \$500,000 policy limit for disease. In case any work is subcontracted, Contractor shall require each subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by Contractor.

20. Compliance with Labor Laws: Contractor shall assume all labor responsibility for all personnel assigned to or contracted for the performance of the work and agrees to strictly comply with all its obligations as employer with respect to said personnel under all applicable labor laws. Contractor shall not discriminate against any employee or any applicant for employment on the grounds of race, color, religion, gender, sexual orientation, gender identity, national origin, age, handicap or marital status. Contractor shall include this non-discrimination clause in all subcontracts for services under this Contract.

21. Public Records: All documents, including but not limited to, letters, memos, e-mails,

computer files, photographs, drawings, tracings, plans, specifications, maps, evaluations, reports and other records and data of any type relating to the Project received, prepared or developed by Contractor under this Contract are public records subject to Florida Statutes Chapter 119 and shall not be destroyed.

Contractor shall:

- (a) Keep and maintain public records required by the County to perform the service.
- (b) Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes Chapter 119 or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the County.
- (d) Upon completion of the contract, transfer, at no cost, to the County all public records in possession of the Contractor or keep and maintain public records required by the County to perform the service. If the Contractor transfers all public records to the County upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

TELEPHONE: (352) 486-5218

EMAIL: LEVYBOCC@LEVYCOUNTY.ORG

MAILING ADDRESS: P.O. BOX 310, BRONSON, FL 32621

22. E-Verify:

- (a) The County will not intentionally award contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 a(e), Section 274A(e) of the Immigration and Nationality Act ("INA"). The County shall consider the employment by the Contractor of unauthorized aliens a violation of Section 274A(e) of the INA.
- (b) Contractor shall register with and use the U. S. Department of Homeland Security's

E- Verify system, in accordance with the terms governing use of the system, to verify the work authorization status of all newly hired employees during the term of the Contract.

(c) If the Contractor enters into a contract with a subcontractor, the Contractor shall include a clause requiring the subcontractor and its sub-subcontractors to register with and use the E-Verify system to verify the work authorization status of all newly hired employees during the term of the Contract. Furthermore, the subcontractor must provide the Contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the Contract.

(d) Violation by Contractor of the foregoing requirements shall be grounds for unilateral termination of this Contract by the County.

23. Relationship of the Parties; No Obligation to Third Parties: Contractor is an independent contractor of the County. Nothing in this Contract shall be deemed to contemplate either party as a partner, agent or representative of the other party, or to create the relationship of employer-employee. No party to this Contract shall have any responsibility whatsoever with respect to services provided or contractual obligations assumed by the other party to third parties. The parties specifically intend that no third party have any rights hereunder.

24. Termination: This Contract may be terminated by the County for its convenience, effective upon receipt of written notice by Contractor or five (5) days after mailing by County, whichever occurs first. In the event of termination, Contractor shall be paid in full for items supplied to the day of such termination.

25. Default of Contract: If the Contractor fails to perform the Contract terms and conditions, fails to begin the work within the time specified, fails to perform the work with sufficient staff, equipment or materials to assure the prompt completion of the Contract, performs the work unsuitably, neglects or refuses to remove materials, refuses to perform work, fails to comply with Contract requirements, or if the Contractor's performance under the Contract becomes otherwise unsatisfactory in the opinion of the County, the County will give notice, in writing, to the Contractor stating the nature of the failure to perform and providing a time certain to correct the failure. If the Contractor, within the period of time described in the notice, shall not correct the conditions of which complaint is made the County may declare the Contractor in default and pursue all legal and equitable remedies available to the County, including but not limited to terminating the Contract and/or pursuing court action.

26. Nonaction on Failure to Observe Provisions of this Contract. The failure of the County or the Contractor to promptly insist upon strict performance of any term, covenant, condition or provision of this Contract or any exhibit or any other agreement contemplated hereby, shall not be deemed a waiver of any right or remedy that the County or the Contractor may have, and shall not be deemed a waiver of any subsequent default or nonperformance of such term, covenant, condition or provision.

27. Severability: In the event that any portion or portions of this Contract is held to be unenforceable by a court of competent jurisdiction, then the remainder of this Contract shall be enforced as though such portion(s) had not been included, unless to do so would cause

this Contract to fail of its essential purposes.

IN WITNESS WHEREOF, the Parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract for the Term set forth in Section 2.

ATTEST:

LEVY COUNTY

Clerk of the Circuit Court and
Ex Officio Clerk to the Board

Danny J. Shipp

By: _____
Matt Brooks, Chair, County Commission

Approved as to form and legal sufficiency:

Nicolle M. Shalley, County Attorney

VSE CORPORATION

By: _____
Print name: _____
Title: _____



TECHNICAL & COST PROPOSAL WITH STATEMENT OF WORK (SOW)

Maintenance and sustainment of 9-1-1 Geographic Information System (GIS), Master Street Address Guide (MASG), Automatic Location Identification (ALI) Database Correction and Sustainment

LEVY COUNTY, FLORIDA

SUBMITTED TO:

Levy County
Board of County Commissioners
Mr. Matt Brooks
310 School Street
Bronson, FL 32621

AUTHORIZED CONTACT:

Mr. Mike West
E-911 Coordinator
Levy County
Phone: 352.486.5214
Email: mwest@levyso.com

SUBMITTED BY:

VSE Corporation
6348 Walker Lane
Alexandria, VA 22310
DUNS:969675123

**PERSON AUTHORIZED TO SIGN THIS
STATEMENT OF WORK:**

Debra L. Daniel
Sr. Contracts Manager
Email: dldaniel@vsecorp.com

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September 25, 2023

Levy County
Board of County Commissioners
310 School Street
Bronson, FL 32621

Attention: Mr. Mike West

Subject: Technical and Cost Proposal with Statement of Work (SOW) for the Maintenance and Sustainment of 9-1-1 Geographic Information System (GIS), Master Street Address Guide (MSAG), Automatic Location Identification (ALI) Database Correction and Sustainment

Dear Mr. West:

VSE is pleased to submit the enclosed Technical and Cost Proposal, including a Statement of Work (SOW) for the subject effort. This document presents the details of how we plan to complete the work for Levy County; it also includes assumptions about the work itself and what we will need from you in order to complete the project successfully.

VSE CORPORATION, is an Information Technology / Information Management (IT/IM) company with a focus on Enhanced 9-1-1 Location Data Accuracy Services to include Master Street Address Guide (MSAG), Automation Location Identification (ALI), and Geographic Information System (GIS) database support, delivering complete, accurate, and useful data.

VSE is licensed to do business in Florida.

If you have any questions about this Statement of Work, please contact the undersigned at 703-408-6250 or Scott Gabriel, Senior Vice President, at 321-662-0502.

Sincerely,

Debra Daniel
Sr. Contracts Manager



EXECUTIVE SUMMARY

STAY SYNCHRONIZED WITH ACCURATE AND USEFUL DATA FOR EVERY CALL

The need for seamless, interoperable 9-1-1 data exchange between systems increases with the transition from an Enhanced 9-1-1 (E9-1-1) environment to i3 Next Generation 9-1-1 (NG9-1-1). The 9-1-1 system relies on multiple communication systems, networks and separate databases to verify and locate 9-1-1 callers. While Levy County determines the county's needs and requirements for the NG9-1-1 transition, the continued sustainment of the E9-1-1 legacy environment requires database and data sustainment and enhancements.

Since 2018, VSE, LLC is the trusted information technology (IT) service provider performing database synchronization, data management and data enhancement for Levy County's public safety Geographic Information System (GIS) data. Levy County receives a low-risk solution for the continuation of GIS services due to VSE's ability to leverage our **existing unique operational knowledge** of Levy County's GIS workflow, data layers, systems and environment. VSE prepares, standardizes, corrects, synchronizes and enhances the accuracy of the GIS data in accordance with National Emergency Number Association (NENA) standards to ensure proper data exchange between networks and systems.

When receiving a 9-1-1 call, an exact match between the caller location data delivered at the Public Safety Answering Point (PSAP) needs to exist between the Automatic Location Identifier (ALI) record and the GIS used with the PSAP's 9-1-1 systems and subsystems. **VSE's goal, objective and scope of this contract is to ensure the synchronized and enhanced information displays accurately on Levy County's PSAP systems.**

The Trusted Advisor

Establishing accurate GIS data for Public Safety use is enhanced through **sustained working relationships.**

Levy County receives the benefit of VSE's expertise with their 9-1-1 data that other vendors have not developed, thereby making knowledge exchange more efficient. Together with Levy County, VSE established procedures for coordination and collaboration between VSE and Levy County's Incumbent Local Exchange Carrier (AT&T) and Database Management Service Provider (DBMSP) as well as 9-1-1 service provider, Intrado. These relationships have had a positive impact on meeting and exceeding NENA Standards for public safety database synchronization. Continuing support from VSE will streamline the coordination of GIS data sustainment and enhancements. VSE GIS experts hold the **institutional knowledge** for Levy County's mission and goals working toward that vision together.

An All-Inclusive Package

Working with Levy County, VSE's **qualified experts** understand the County's addressing standards. VSE personnel provide sustainment services for GIS, Master Street Address Guide (MSAG) and ALI databases. The enhancements to GIS map layers can include wireless call routing, enhancements to address points which may involve indoor mapping. Such data can provide important information to emergency responders.

Indoor mapping and sub-addressing information adds an extra layer of critical information to 9-1-1 calls. VSE can create map displays that include the site/structure maps provided by Levy County's schools to add dispatchable location information within a school building. This feature can improve response times.

The most accurate and useful levels of GIS, MSAG, and ALI data involves intervention from experienced and knowledgeable professionals. VSE's competent and skilled professionals ensure that Levy County's day-to-day GIS responsibilities continue without delay and with no learning curve.

¹ In 2015, FCC Chairman, Tom Wheeler identified the State of Hawaii as a "model of success" in GIS Public Safety; following a process innovated and implemented by VSE for accurate and useful data/database synchronization at a county, regional, and state-level.

STATEMENT OF WORK

1.0 PERFORMANCE WORK STATEMENT

In a continuation of our partnership, Levy County sustains a higher level of accuracy through continuous synchronization, management and enhancement of GIS, MSAG and ALI databases. In the last four years, VSE and Levy County GIS and Public Safety increased the GIS/MSAG match percentage by 96.25%. Today, VSE remains alongside Levy County sustaining synchronization match percentages, while supporting the provisioning of GIS data for Next Generation 9-1-1 (NG9-1-1) transition. Current focus remains on ALI/GIS synchronization reflecting a 98.8% match, with 135 address validations remaining. Since the initial ALI/GIS synchronization in March 2019, VSE and Levy County GIS have increased the ALI/GIS match percentage by 17.3%.

VSE uses NENA standards, industry standards and best practices, as well as innovative processes and procedures to improve and ensure the accuracy of the caller's location. In the case of ALI/GIS synchronization, VSE works with Levy County's E9-1-1 Database Manager to validate address information.

VSE's Project Management is the foundation to ease the burden of inundating the county with address validation requests. VSE's Project Manager meets weekly with each team member to clarify project priorities and status of tasks, ensuring accurate and streamlined tracking of remaining data fallouts. VSE's GIS Analysts shall remain embedded to the Levy County 9-1-1 Office operations to continued sustainment and enhancements of GIS, MSAG and ALI data for NG9-1-1 preparedness.

Assuming a start date of 4 October 2023, VSE recommends a base period of 12 months (4 October 2023 - 3 October 2024), with an option period of 12 months.

Key elements of the project include:

- Comprehensive operational analysis to validate the approach proposed here
- Address Management support validating addressing for Public Safety use
- Sustaining and continuously synchronizing GIS to MSAG and vice versa, and ALI to GIS to improve 9-1-1 caller location accuracy in preparation for NG9-1-1
- Implementing corrective action plans and data enhancements for GIS, MSAG, and ALI database accuracy to include wireless and dispatchable location information
- Establishing NENA compliant data in preparation for the NG9-1-1 network
- Qualified full-time staff with strengths in GIS administration, analysis, and reporting

VSE performs quality assurance/quality control (QA/QC) checks on each layer before providing delivering updates to Levy County, to ensure the accuracy of all layers. The accuracy of the geographic and attribute information provides caller location information for telecommunicators, dispatchers and emergency responders.

1.1 PROFESSIONAL SERVICES FOR GIS, MSAG AND ALI COORDINATION

As a leader in data management for county public safety, VSE is a "one-stop-shop" service provider, delivering an all-inclusive solution to meet Levy County's goals, objectives and requirements. With a team of qualified and experienced professionals, VSE's experts provide trusted advisory support in preparation for NG9-1-1.

VSE's GIS professionals manage address information requests. Due to development in Levy County, new addresses come in almost daily. VSE's GIS Analyst promptly enters the new record and notifies Levy County E9-1-1 Database Manager upon completion, implementing the same workflow for new street requests, should there be any.

STATEMENT OF WORK

In accordance with

Table 1, VSE works collaboratively with Levy County’s Sheriff’s Office to “own” the data editing and management of the Road Centerline (RCL), Site/Structure Address Point (SSAP), MSAG Community and PSAP/Provisioning Boundary layers.

VSE is actively planning development efforts for the Emergency Service Boundary (ESB) layers in preparation and delivery for NG9-1-1.

Table 1. VSE GIS Layer Ownership (“Playbook” est. 2020).

With the Data Synch Cycle, Levy County and VSE focus on resolving discrepancies. VSE’s qualified professionals with the operational GIS knowledge work alongside Levy County GIS to make the necessary changes to sustain the 98% NENA Standard.

Layers	Administrator	Root Data Owner	Workflow Details
Road Centerline (RCL)	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> County to confirm road names per Road Naming Process Communicate any changes to VSE to be included in base file for future update VSE updates and adds street information to GIS database
Site/Structure Address Point (SSAP)	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> County to confirm address points per Road Naming process Communicate any changes to VSE to be included in base file for future update VSE updates and adds address information to GIS database
Emergency Service Number (ESN)	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> VSE to maintain and revise as needed
MSAG Community	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> VSE to maintain and revise as needed
PSAP/Provisioning	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> VSE to maintain and revise as needed
Emergency Service Boundary (ESB) (Law, Fire, Medic)	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> VSE reviews current Law, Fire and Medic layers VSE validates information against ESN/ELT list and jurisdictional boundaries
Wireless Tower	VSE	E9-1-1 Admin	<ul style="list-style-type: none"> Leverage current tower locations in the SSAP layer VSE to maintain and revise as needed in coordination with Wireless Service Providers (WSP)
Phase 1 Cell Sectors	VSE	Wireless Service Providers (WSPs)	<ul style="list-style-type: none"> Receive CRS from WSPs VSE to maintain and revise as needed
Indoor Mapping Layer	VSE	E9-1-1 Admin School Resources	<ul style="list-style-type: none"> County/School resources provide floor plans to VSE VSE creates digitized floor plan, with all attributes and features in accordance with floor plans VSE updates AP layer/ALI with available sub-addressing information Ensure functionality in MapFlex



STATEMENT OF WORK

1.1.1 9-1-1, E9-1-1 and NG9-1-1 GIS DATABASE SERVICES

The GIS database provides call-takers and dispatchers with a mapping display indicating the 9-1-1 caller's location. VSE proactively began preparing Levy County for an NG9-1-1 environment on day one of the first contract. VSE's Data Synch Cycle models the data schema after the NENA Standard for NG9-1-1 GIS Data Model. The GIS database requires several critical layers needed to support the functionality of location validation in the E9-1-1 and NG9-1-1 systems. These layers include:

- Road Centerline
- Site/Structure Address Points
- Emergency Service Numbers (ESNs)/Emergency Service Zones (ESZs)
- PSAP/Provisioning Boundary
- Emergency Service Boundary (ESB)

GIS Data Layer Sustainment: VSE's GIS Analyst worked with Levy County to standardize the data model for NG9-1-1. At that time, Levy County had their street name field already. Both teams collaboratively prepared the data schema for easy acceptance by the 9-1-1 Mapping System, MapFlex by Intrado Safety Services.

Regardless of the 9-1-1 system, VSE ensures the base data is accurate. Considering this operational impact to the Levy County PSAP, VSE places a high priority on the development, sustainment, and/or enhancement of the critical GIS layers in accordance with the NG9-1-1 Data Model. In the proposed contract, VSE will continue to develop NG9-1-1 specific layers with Levy County to create all Emergency Service Boundary (ESB) layers, which involves establishing the response area boundaries for each responding agency (fire, EMS and law enforcement).

To ensure all GIS layers have no attribute or spatial errors, VSE performs thorough data checks before each delivery. The synchronization discrepancy reports of the GIS database specify the data VSE's GIS Analysts will need to update, so the location information will be an exact match to MSAG and ALI databases, which will remain in use during the current E9-1-1 operation and for a period after the transition to NG9-1-1. VSE provides Levy County updated 9-1-1 GIS layers (Deliverable 3) on a monthly basis.

Field Work: As the project continues, a time may come when field work is necessary to validate address points or locate missing or unverifiable addresses that are not visible using aerial imagery. VSE shall conduct field work for specific addressing scenarios resulting from structure/address validation tasks.

Our GIS Analyst will work directly with Levy County's Assistant County Administrator to schedule this travel and plan appropriate routes to ensure public awareness and limited possible disruption that could compromise public safety. Recognizing that field work is dependent on the initial quality of the data, VSE takes a conservative approach to provide the most cost-effective solution and ensure that all stakeholders are made aware well in advance.

VSE understands that there are fields in Levy County's data that are necessary for county use and, therefore, shall continue to maintain the data schema according to Levy County's field requirements.

STATEMENT OF WORK

Levy County GIS can then use the monthly GIS layer deliverables (Deliverable 3) for county data sharing and map uploads according to their data sharing procedures, detailed in [Table 2](#).

Table 2. Levy County GIS Layers for Public Safety.

VSE's qualified and experienced team sustain the required GIS layers for NG9-1-1.

Layer	Purpose of Support	VSE Service
Road Centerline (RCL)	Ensures routing of public safety resources to the incident by providing turn-by-turn directions to the dispatcher and public safety responders, if equipped with the proper systems Used for address validation when there is not an address point, but there is a street range	Performing topology, validations and routing checks Splitting street segment geometry at appropriate boundaries Maintaining street ranges and boundary information via the attributes Edits and updates to ensure feature class meets requirements of the GIS components in the "to-be" NG9-1-1 network, PSAP CPE, PSAP mapping systems utilizing GIS Adding driveways for address points located substantially away from addressed street
Site/Structure Address Point (SSAP)	Ensures interoperability between databases and systems by updating the address points utilizing the geographic coordinate systems identified by NENA as aiding in accurate displays required for NG9-1-1 Used for address validation in CAD	Adding sub-addressing information to appropriate address/structure points to include details on building number, floor number, apartment or unit number or such information as described in FCC 15-9 as a "dispatchable location" Deploy resources to perform field data collection, verifying and conducting address validation for PSAP identified addressing discrepancies when other methodologies cannot determine accurate locations/addresses
Emergency Service Number (ESN)	Ensures call routing to the proper PSAP in E9-1-1 environment	Routine edits and updates for sustainment
MSAG Community	Community boundary layer used MSAG Translation Services to build an MSAG-valid address	Routine edits and updates for sustainment
PSAP Boundary	Ensures call routing to the proper PSAP in NG9-1-1 environment	Routine edits and updates for sustainment
Provisioning Boundary	Ensures GIS data errors are addressed by the proper GIS authorities	Routine edits and updates for sustainment
Emergency Service Boundaries (ESBs)	Establishes geographic coverage area for the primary providers of response services (i.e., law, fire, EMS, etc.)	Development for use in the upcoming NG9-1-1 network; then routine edits and updates for sustainment
Wireless Tower	Assists Telecommunicators in quickly locating 9-1-1 callers	Routine edits and updates for sustainment
Phase 1 Cell Sector	Assists Telecommunicators in quickly locating 9-1-1 callers	Routine edits and updates for sustainment
Supplemental • Indoor Mapping	Assists Telecommunicators in quickly locating 9-1-1 callers	Development and routine edits and updates for sustainment

STATEMENT OF WORK

1.1.2 Sub-Addressing and Indoor Mapping for Dispatchable Locations

Sub-Addressing for Dispatchable Locations: The size, scope and complexity of the Levy County GIS project for public safety is steadily increasing in order to adapt to the advancements in NG9-1-1 standards and technologies. This includes the insertion of sub-addressing information for dispatchable locations to conform with the requirements of FCC Report and Order 15-9: iWireless E911 Location Accuracy Requirements released February 3, 2015.

Similar to that illustrated in [Figure 1](#), VSE's GIS Analysts shall provide this information for the completion of all residential and commercial properties (e.g., schools, condos, apartment buildings, shopping centers, commercial buildings, nursing homes, hospitals and government buildings) throughout Levy County.

Dispatchable location information provides enhanced caller location capabilities that integrate with an Automatic Vehicle Location (AVL) system. Dispatchable location data helps navigate emergency response to the door of residential and business locations as well as locations within a building.

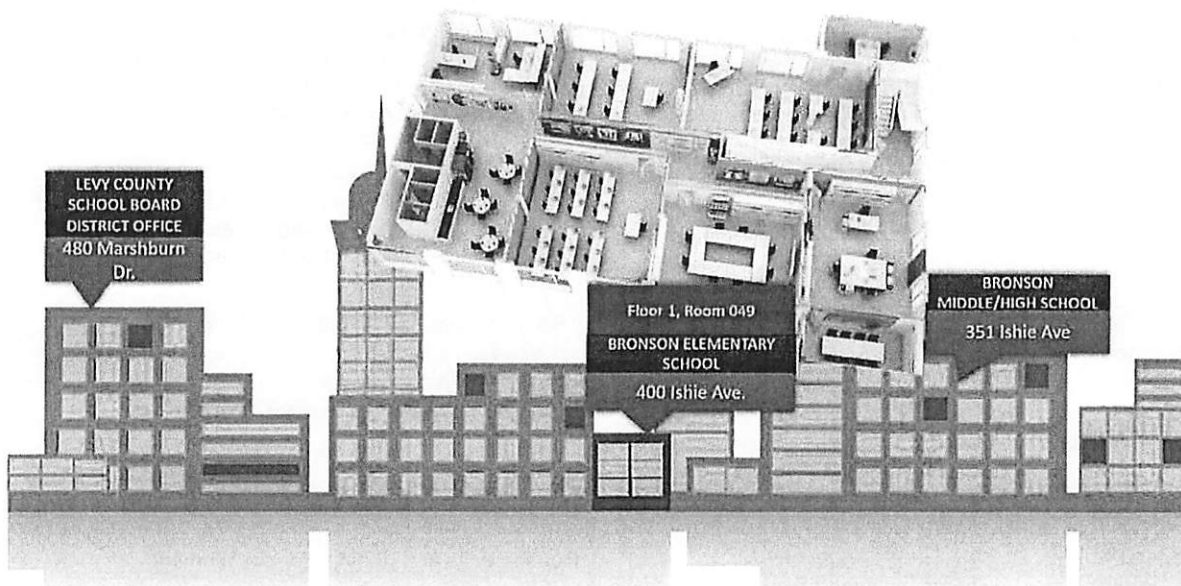


Figure 1. Sub-addressing for Dispatchable Locations.

Designing the 9-1-1 GIS and ALI database to include dispatchable location information can improve public safety in Levy County.

Indoor Mapping: VSE shall provide the digitization of indoor mapping of schools throughout Levy County. There are approximately 17 schools (public and private) in Levy County. VSE will work with the Levy County Sheriff's Office and school resources/representative to obtain these maps for digitization.

VSE's GIS experts focus on the assurance of a verified address, leveraging the Levy County Address Point layer.

VSE's GIS Analysts build this layer with NENA standard fields transcribed in the "to-be-developed" Indoor Mapping layer (Deliverable 3).

STATEMENT OF WORK

In addition, VSE's GIS Analyst verifies the inclusion of the sub-address/dispatchable location information in Levy County's Address Point layer, in accordance with the determined approach discussed during project kick-off. VSE's method automates the population of this data for these layers using Esri ArcGIS software and VSE's uniquely designed automated tools.

VSE adheres to laws and regulations, NENA standards and industry best practices in providing the enhanced GIS data Levy County requires. Some of these documents include, but are not limited to:

1. NENA Standard for NG9-1-1 GIS Data Model NENA-STA-006.2.2022, September 21, 2022
2. NENA Information Document for Development of Site/Structure Address Point GIS Data for 9-1-1 NENA-INF-014.1-2015, September 18, 2015
3. NENA Next Generation 9-1-1 (NG9-1-1) United States Civic Location Data Exchange Format (CLDXF) - March 23, 2014

The additional data fields, which VSE will identify to comply with dispatchable location mandates, include:

- 1) Landmark_Name, 2) Place Type, 3) Building, 4) Floor, 5) Room_Number, 6) General_Function (e.g., is it a classroom, cafeteria, orchestra hall, or closet?) and 7) Additional Location Information.

VSE shall implement the procedure we currently follow with other Florida counties, such as Sumter, Levy and Holmes counties.

Initially, this project will involve the indoor mapping and digitization of the 17 public and private schools. The level of effort to create the dispatchable points involves the most complexity upfront in establishing the refined workflow that conforms to Levy County's requirements and current operational procedures.

After that, creating dispatchable points is achievable through VSE's tailored and county-specific tool.

Figure 2 illustrates the vector-based digitized site map sample VSE's GIS Analysts developed using sample sub-addressing data.

The additional task of creating the dispatchable points and providing the sub-addressing information is a combination of manual and automated processes with astute human intervention for QA.

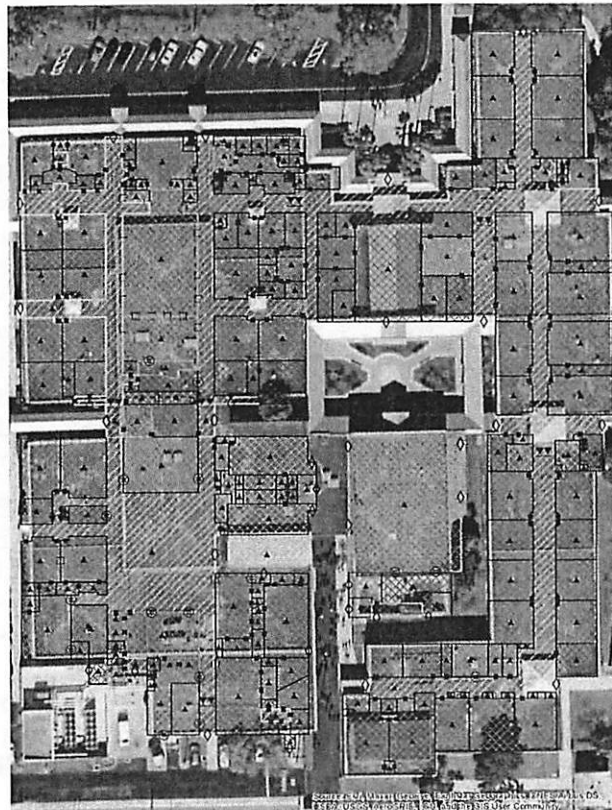


Figure 2. Sample School Vector-Based Digitized Site Map.

Indoor mapping and sub-addressing require talented personnel for the labor-intensive process, using unique tools that add efficiencies to an already complex project of this size and magnitude. Akimeka's forward-thinking solution includes the build-out of building footprints, the digitization of 17 of public and private schools, and the inclusion of the sub-addressing points for dispatchable locations. Our solution provides Levy County GIS data with high accuracy. Implementing Akimeka's methodology combined with rigorous data management and quality management delivers a low risk for possible errors.

STATEMENT OF WORK

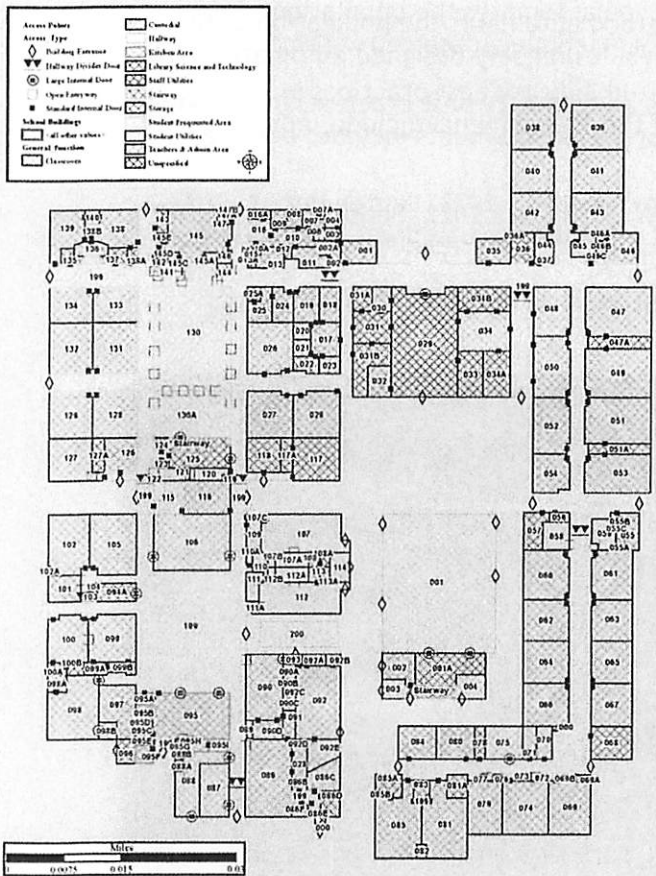


Figure 3. Sample School Overview Summary.

Having the ability to turn-on the indoor mapping layer provides Levy County the complete solution necessary for the Indoor Mapping & Sub-addressing for Dispatchable Locations project. As an added value, Akimeka includes PDF exports with monthly GIS layers with no additional cost, providing all areas of public safety the information they need should there be an instance of system outages.

The GIS database provides call-takers and dispatchers with a visual map indicating the 9-1-1 caller's location. In a NG9-1-1 environment and the continuous enhancement of public safety addressing data, the GIS database is able to support the functionality of location validation. VSE will develop and deliver GIS layers (Deliverable 3) to Levy County that include an Indoor Mapping layer. The layer will display all buildings and associated features from the provided floor plans (e.g., classrooms, hallways, offices, including entry-way points with additional details and intricacies, such as entrances and exits to the building, room/closet entryways and stairwells.)

Digitizing indoor mapping and building footprints empowers emergency telecommunicators with critical information that improves emergency response. Wireless emergency calls originating from large multi-story buildings do not provide telecommunicators with the level of detail needed to make split second decisions that can save lives. Building this additional level of detail saves time, improves response and increases efficiency of PSAP operations. VSE's solution for indoor mapping combines tools, resources, staff and methodology to complete indoor mapping projects accurately, on time and within budget.

VSE's GIS experts have the experience and skills to provide geodetic and dispatchable locations with all required attribute information. We know how to mitigate any risk of missing data during the build out process. Figure illustrates the PDF sample that VSE's GIS Analyst's built and shall provide to Levy County for each completed school. Error! Reference source not found, includes sample PDF exports of the layer build-out.

With Levy County sharing the parcel layer, VSE's GIS Analyst can create the School Boundary layer. To produce an accurate representation of the floorplan data in a GIS format, VSE's GIS Analysts already have developed a county-focused workflow.

- ◆ In conclusion, Levy County receives prepared GIS data in the format ready for NG9-1-1 transition. VSE's GIS services will ensure that Levy County's PSAP telecommunicators have accurate maps of streets and address information, as well as indoor mapping and sub-addressing for dispatchable locations to improve emergency response times. ◆



STATEMENT OF WORK

1.2 MASTER STREET ADDRESS GUIDE (MSAG)/ AUTOMATIC LOCATION IDENTIFICATION (ALI) DATABASE SERVICES

The NENA standards require a minimum 98.0% exact match between the MSAG and ALI databases with the 9-1-1 GIS database prior to the implementation of a NG911 system.

Beginning in 2018, Levy County and VSE worked together to standardize and synchronize the Public Safety databases. Starting at an average GIS/MSAG match percentage of 3.75%, with VSE's implementation of the Data Synch Cycle, GIS/MSAG remains at 100% match and the ALI/GIS match percentage continues to improve to exceed the 98% standard.

As both ALI and GIS databases constantly must be updated, VSE's database synchronization services are specifically designed to identify any discrepancies and perform immediate corrective actions. VSE performs quarterly synchronization audits throughout project duration. VSE's database synchronization services ensure Levy County's 9-1-1 GIS data complies with current and emerging NENA standards and provides Levy County with a performance measurement matrix through Quarterly Synchronization Reports (QSRs).

Levy County received unique MSAG services from Akimeka delivering elevated data quality and consistency from facilitating more than 6,000 MSAG changes since 2018.

VSE's MSAG Coordinator facilitated more than 6,000 MSAG and 500 ALI changes since 2018. VSE's long-standing working relationship with Intrado works to Levy County's advantage. The transition plan for establishing an NG9-1-1 environment include maintenance of the MSAG/ALI databases for the foreseeable future.

1.2.1 MSAG TRANSLATION SUSTAINMENT SERVICES

The MSAG database contains street names and high/low address number ranges, pre/post street directional, odd/even restrictors, response areas defining ESZs and their associated ESNs. Together, this data enables proper routing of 9-1-1 calls.

VSE maintains the public safety GIS and ALI database through its coordination with Intrado and Levy County's addressing authority.

The most critical aspect of identifying locations within a 9-1-1 service area is the translation of county-approved civic addresses to MSAG addresses. The basic rule is that all civic addresses must be translated into a format compatible to the format used with existing PSAP equipment, such as CAD, mapping and Customer Premise Equipment (CPE)). VSE works to ensure successful data exchange between the telephone company, 9-1-1 System Network, and PSAP equipment. NENA Standards identify this process as the "Civic to MSAG Address Translation".

1.2.2 MSAG CORRECTION SERVICES

VSE's database correction services improve Intrado's database as well as Levy County's GIS data. VSE investigates and submits MSAG and ALI database change requests in Intrado's Integrated Unified Portal (IUP), ensuring an exact match condition exists within the GIS database. This improved level of database accuracy can reduce the time it takes for the telecommunicator to dispatch emergency response personnel.

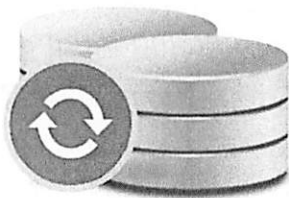
STATEMENT OF WORK

VSE and Intrado have a strong working relationship. VSE's MSAG Coordinator is responsible for data analysis, editing and tracking in the MSAG & ALI databases. This previously established relationship with Intrado mitigates a potential risk of upfront project delays due to team introductions, vendor-to-vendor agreements and procedure development.

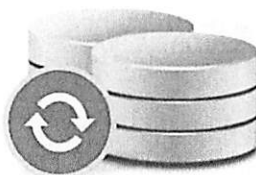
VSE reports ongoing maintenance activity or changes made to the 9-1-1 MSAG during the period of performance (PoP) on a quarterly basis via the QSR (Deliverable 2). Regularly, VSE's analysts and coordinators perform three-way synchronization audits that illustrates any discrepancies, reporting the status of database synchronization quarterly.

VSE immediately enters the change requests (CRs) and ensures processing by Intrado. Together, we support Levy County in maintaining the 98% NENA standard and shall continue to do so in support of a future transition to NG9-1-1.

Standardize, Synchronize, Sustain and Enhance



GIS to MSAG
MSAG to GIS



ALI to GIS

- Standardized with required fields
- Synchronized to 98% match (or better)
- Additional recommended fields and GIS layers can be added for greater usefulness and accuracy

NENA Standard 71-501

Figure 4. VSE Database Synchronization.

VSE applies a quarterly synchronization audit process, instilling regular comparisons for reporting the database match percentages for E9-1-1. Approaching public safety GIS data management with a "standardize, synchronize, sustain and enhance" method ensures quality control and provides supplemental information for emergency response.

In a full NG9-1-1 environment, the approach to MSAG sustainment changes. [Section 1.1.1](#) above details the importance of GIS in a full NG9-1-1 environment. Because in NG9-1-1 call routing of wireline and VoIP calls is based on the PSAP boundary layer, the location of addresses in GIS is critical. However, for the foreseeable future, Levy County's MSAG shall be maintained while the Selective Router remains in place during the transition to a NG9-1-1 environment.

VSE's processes conform to the NENA NG9-1-1 GIS Data Model from day one, ensuring any new address is properly located in GIS, for both call routing and first responder dispatching, regardless of whether the system is operating in NG9-1-1 or E9-1-1 environment.



STATEMENT OF WORK

1.2.3 AUTOMATIC LOCATION IDENTIFICATION (ALI) SUSTAINMENT SERVICES

The ALI database is a relational database with the MSAG and the telephone number records are supplied to and updated by AT&T within Intrado's database. The ALI database contains proprietary information regarding the caller's name and telephone number and address/location information. The MSAG assigns the information to the ALI database regarding the location from which the call originated, which routes the call to the proper PSAP jurisdiction.

As a trusted advisor and partner to Levy County, VSE obtains Levy County's ALI database information, which is run through a synchronization process against the address points in GIS to ensure every wireline and VoIP phone in the ALI database has a matching address point in GIS. Two types of change requests may be needed during the routine sustainment cycle. A telephone number change request (TN CR) differs from an ALI Discrepancy Report (ALI DR). The TN CR is submitted for MSAG Community, Street Name, or a Public Safety Service Area boundary corrections or modifications. An ALI DR comes from the PSAP as a result of an ALI record having the wrong location, which is discovered during a 9-1-1 call. This type of request is reported to VSE and the MSAG Coordinator submits and ALI DR to Intrado. The GIS Analyst ensures a correct address point exists map.

An important task with respect to the ALI database will involve the addition of sub-addressing data for dispatchable locations. Dispatchable Locations are main addresses utilized in the ALI record with supplemental location information such as building number, floor level, room number, apartment number and unit number. This information must appear in the ALI record and the address point information in the GIS address point (or SSAP) layer. This information is only useful when it displays at the PSAP on the ALI screen. As VSE continues GIS sub-addressing and adding this data to the ALI database, our GIS Analysts will work with Levy County to establish data displays for Telecommunicators on the map, taking into consideration any limitations of the PSAP's call taking equipment.

1.3 9-1-1 WIRELESS DATABASE SERVICES

Nationwide, Wireless 9-1-1 calls account for approximately 80% of the total 9-1-1 calls for assistance. VSE's wireless database maintenance services follow the NENA Standard 57-002 Wireless Maintenance Call Routing and Testing Validation Standard. To satisfy this requirement by accurately identifying the cell tower and associated sectors that register the 9-1-1 call. Specifically, Levy County receives useful data elements from the Wireless Service Provider (WSPs), and VSE services use those elements to display the 9-1-1 caller's location on the 9-1-1 systems.

1.3.1 9-1-1 WIRELESS ENHANCED 9-1-1 (E9-1-1) LOCATION DATABASE MAINTENANCE SERVICES

Many factors affect wireless caller location accuracy. What is not widely known, is there are additional accuracy challenges in the GIS mapping layer that compound the uncertainty. Of importance is understanding how many Wireless Phase 1 (WPH1) calls Levy County is still receiving at the PSAP, as well as the confidence factor of Wireless Phase 2 (WPH2). Today, Levy County PSAPs may not always receive Phase II information immediately, which shows the callers X,Y coordinates. Although uncommon, a wireless call may initially come in as Phase I containing the tower location and the caller's call back number.

STATEMENT OF WORK

The cell towers and coverage area layers may contain errors from potentially old or recently adjusted cell tower coverage capabilities. This can skew call routing and caller location information and cause incorrect dispatching of 9-1-1 resources. If appropriately maintained and used, the Phase 1 layer containing accurate information of Levy County cell towers and cell sectors can assist call takers in determining the location of callers when Phase 2 data is unavailable or slow to populate.

In the current E9-1-1 environment for Levy County, VSE's wireless experts shall work with the Wireless Service Providers to ensure accuracy of the Wireless Cell Sector layer by:

- Ensuring proper location identification of the cell sector that registers the wireless call
- Ensuring the accuracy of the routing information utilized by the WSP in their database
- Providing GIS products to enable the PSAP to display to telecommunicators the "theoretical coverage area" of the cell site and its cell sectors allowing dispatchers to identify the potential location of the 9-1-1 caller, when a caller is unable to provide that information

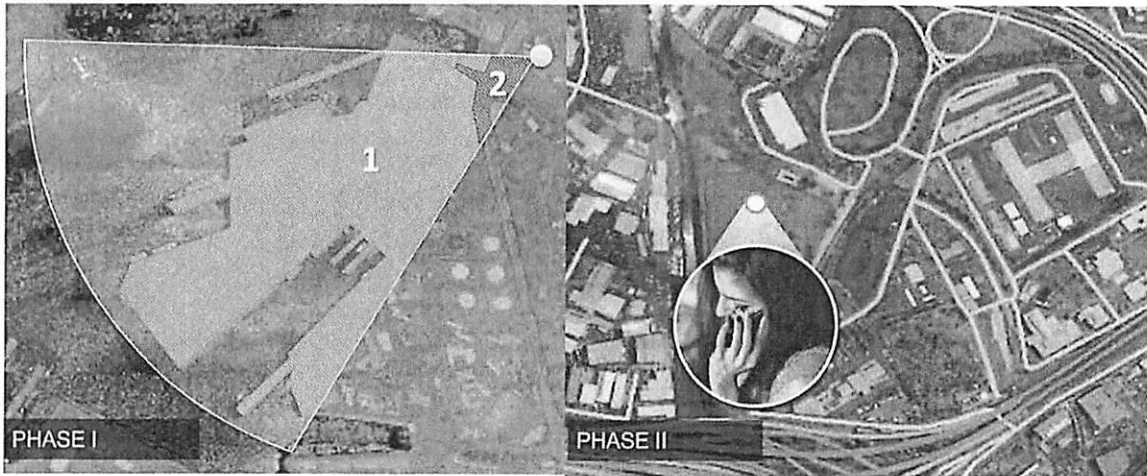


Figure 5. Phase 1 Layer versus Phase 2 Location.

While Phase 2 location is ideal, it is not always available to PSAPs. In these cases, access to Phase 1 location information and GIS display may save precious time getting help to a 9-1-1 wireless caller, if they can't say where they are located.

1.3.2 WIRELESS CELL SITES/ SECTORS ADDRESSING AND TOWER ADDRESS STANDARDIZATION

An important part of the caller location puzzle is to maintain the wireless cell site and cell sector GIS layer, or Phase I layer, in the event Phase 2 location cannot be obtained. Used in combination with an accurate GIS layer, callers can be queried on their surroundings to pinpoint their location.

This process involves identifying the location of the wireless towers, identifying the sector information, assigning an MSAG-valid address, or referencing pseudo tower address using a unique tower addressing schema, and then coordinating and communicating these changes with the WSPs and the 9-1-1 DBMSP.

Levy County's CRS update turnaround time takes on average, 48 hours, from time of receipt of the Call Routing Sheet (CRS) with Akimeka's wireless services. The NENA standard calls for a 10-working day period from time of receipt of the CRS from the WSP.

STATEMENT OF WORK

VSE performs these functions by communicating the coordinates of the cell tower and cell site sector addressing schema using the call routing sheet (CRS) (Deliverable 4) and then documenting the actions.

Within the CRS process, VSE extracts the pertinent location and theoretical coverage area data from the CRS and incorporates this information within the appropriate GIS layers. VSE performs this function on an on-going basis with constant communication and coordination with the WSPs 9-1-1 DBMSP to ensure timely updates occur to the WSPs database.

PSAP to complete these columns:

State	County	Wireless ESN	Selective Router	Default PSAP	Default ESN	Alternate Route (Route Advance)	Customer Name Field	House Number Field	House No. Suffix (4 char. max)	Prefix Directional (2 char. max)	Street Field/Name (Version 1 Data Exchange Suffix = 40 char. max; Ver 2.1 & later = 60 char. max)	Street Suffix (4 char. max)	Post Directional (2 char. max)	Community Field (Character length varies per IEC - NENA SMO 32 char)	State (2 char. max)	Location (Version 1 Data Exchange Suffix = 20 char. max; Version 2.1 & later = 80 char. max)
FL	Levy	260					VERIZON	10281		NE	STATE ROAD 121			WILLISTON	FL	TOWER 502-1 V-11F
FL	Levy	260					VERIZON	10281		NE	STATE ROAD 121			WILLISTON	FL	TOWER 502-2 V-SF
FL	Levy	260					VERIZON	10281		NE	STATE ROAD 121			WILLISTON	FL	TOWER 502-3 V-WF

Figure 6. Wireless Service Provide Call Routing Sheet Example.

Levy County's CRS update turnaround time takes on average, 48 hours, from time of receipt of the CRS with VSE's wireless services. The NENA standard calls for a 10-working day period from time of receipt of the CRS from the WSP.

If necessary, upon receipt of a complete CRS - in accordance with NENA Standard 57-002 - VSE is required to return the CRS files to the DBMSP on behalf of the PSAP no later than ten (10) working days after receiving the CRS files.

VSE's wireless services allows our wireless experts to return completed CRS files to the WSP within 48 hours (two business days) as a value-added benefit to ensure the wireless 9-1-1 database is up to date. This requires cell tower/sector addressing to ensure accurate display at the PSAP by equipment capable of displaying this data.

VSE wireless experts:

- Ensure tower and cell sector addresses conform to the character limitations set by the ALI data stream
- The Location field is used as a unique identifier for each cell sector
- Record the community as the proper MSAG community
- Assign the proper wireless ESN within the CRS to ensure the 9-1-1 call routes to the appropriate PSAP
- Remove the cell site/cell sector (or both) from the wireless database should the PSAP receive a notification from the WSP that a cell site, or cell sector, has been decommissioned.



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1.3.3 WIRELESS 9-1-1 CELL SITES/SECTOR AUDIT AND CORRECTION PROCESS

The duration of the wireless audits depends on the number of cell sites/sectors involved, the level of accuracy of the records, cooperation from the WSPs, and requirements of Levy County. It is recommended that at a minimum, VSE conduct an annual audit of each WSP database - AT&T, Verizon, T-Mobile (including Sprint) - that provide wireless 9-1-1 service coverage within Levy County.

In the event of major discrepancies between wireless databases, VSE may request cooperation from WSPs to ensure synchronization between the wireless database maintained by the WSP and the PSAPs wireless 9-1-1 database.

Tasks during this time can include:

- Request for new CRS once the audit has been coordinated with the WSP
- Ensure the 9-1-1 WSP cell tower layer(s) are updated, with sites and sectors, based on the audit providing any corrections required based on the CRS
- Update each WSPs' wireless cell tower addressing/naming protocol changes, as provided by the CRS
- Update the following WSP cell tower layers:
 - WSP cell tower point layer, which shows the location of the cell tower sites based on the latitude and longitude provided by the WSP
 - WSP cell sector polygon layer, which indicated the projected coverage area, based on the attributes provided by the WSP that may be limited by the system's functionality within the PSAP
- Report the number of CRSs received and processed during the reporting quarter via QSRs (Deliverable 2)

1.4 DATABASE SYNCHRONIZATION

Since 2018, Levy County and VSE GIS Analysts prepared Levy County's RCL and SSAP layers for use in Public Safety. The quality of these layers allows Levy County to establish master single-source GIS data prepared for configuration and acceptance into the Spatial Interface (SI) function.

Having a continuous database sustainment and maintenance effort ensures Levy County's PSAP and first responders continue to have the most up-to-date and accurate location information, thereby enabling them to execute their public safety duties in a more efficient and effective manner.

VSE continues to work to update the data with new addresses and development, ensuring we sustain the NENA required match percentage. Next Generation has very strong data correction requirements. If a GIS data element is in error resulting in a misroute that requires correction, VSE takes the responsibility to make sure that the correction is made within the timeframe specified by NENA Standards.

VSE works closely with Levy County to determine the nature of the error and the correction needed and then makes the update to the data.

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1.5 GIS ADMINISTRATION AND PROJECT MANAGEMENT

In the four years of support to Levy County, VSE refined GIS workflows and operational procedures to streamline the communication of information resulting in the success of achieving the 98% NENA standard. VSE works jointly with Levy County to validate addressing information to maintain the NENA-required match percentage or better.

VSE assists by reviewing existing business processes alongside the Levy County 9-1-1 Coordinator and E9-1-1 Database Manager making recommendations of value-add improvements. This includes as the GIS Layer update process, maps for public safety and documented workflows.

- ◆ VSE's goal, objective and scope of this contract is to make sure that the synchronized and enhanced GIS information displays accurately on Levy County's PSAP systems and maps are precise for use in emergency response ◆

VSE understands the importance of a thorough understanding of project requirements and client needs. Therefore, completing the Kick-off Meeting (Deliverable 1) ensures that both parties (Levy County and VSE) understand the essential elements of the continuing E9-1-1 and NG9-1-1 GIS Sustainment and Enhancement. The Kick-off Meeting is a time where VSE and Levy County can identify areas for improvement and identify priorities in project tasks.

VSE's project management methodology ensures excellence in tracking task progress, meeting deliverable deadlines and providing consistent communication. The success of the Levy County requirements for GIS, MSAG and ALI data sustainment for the E9-1-1 legacy environment and NG9-1-1 correlates to appropriately providing the qualified and knowledgeable staffing that understands the uniqueness of the tasks to meet Levy County's mission.

While we staff our projects from a conservative approach, unlike other vendors with larger proposed teams, VSE offers the one-on-one personal service to Levy County, where larger teams are susceptible to constant project knowledge transfer to someone new for each task. VSE's existing relationship with Levy County provides the competent and skilled resources to continue GIS services with minimal impact or delays.

1.5.1 QUALITY ASSURANCE / QUALITY CONTROL

VSE Quality Management System (QMS) ensures VSE's service delivery processes provided to Levy County are measured and monitored appropriately. The QMS processes, based on industry best practices and the proven quality frameworks of International Organization of Standardization (ISO) 9001:2015 - ensures a repeatable and efficient process minimizing cost, improving consistency and supporting continuous improvement.

The established quality process framework, backed by Project Management Institute (PMI) and Project Management Book of Knowledge (PMBOK), includes 9001:2015 for operations support.

Levy County benefits from a program-tested Quality Control Plan (QCP) that monitors and maximizes quality. The QCP defines the techniques, procedures and methodologies used to assure timely delivery of services described in the PWS (Sections 1.1-5.4). VSE's corporate management fully supports a strong commitment to implement Quality Assurance and Control effectively on each task performed.



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The goals of a QCP ensure:

- Project outcomes/results meet Levy County's expectations
- The project is being accomplished within the agreed upon time frame and costs
- Communication of results and conclusions to all involved, with an understanding of the recommendations and the ability to implement action plans
- Utilization of satisfactory methods and appropriate techniques during fact finding and analysis
- The presentation and format of all deliverables that meet client standards
- Identification, communication and management of risks in a timely manner

VSE's GIS Analysts regularly perform QA/QC checks to the data prior to provisioning deliverables for submission, ensuring that layers have no attribute or spatial error.

VSE commits to meeting these quality assurance goals using two primary techniques:

1. Performing a formal review of work in progress during scheduled meetings
2. Soliciting client satisfaction feedback

VSE follows Quality Management Principles in all aspects of this contract. VSE communicates any critique, suggestions for improvement as well as the corrective action taken as warranted via meeting minutes and within the QSR (Deliverable 2). Depending on the severity and nature of the situation, VSE develops a formal (written) action plan, sharing with Levy County representatives to correct any identified deficiencies.

1.5.2 RESPONSIBILITIES AND ASSUMPTIONS

As with any partnership, both parties play vital roles to ensure a successful project outcome. VSE is fully prepared to deliver on the roles and responsibilities outlined throughout the intended Performance Work Statement (PWS). (The following identifies the roles and responsibilities of both parties.

The items in this section and sub-sections are vital to the project where timely delivery in a timely manner avoids project delays and/or changes in project scope.

1.5.2.1 VSE'S RESPONSIBILITIES

VSE has a clear understanding of the requirements and responsibilities associated with this SOW. VSE, unless further directed to do otherwise, shall:

- Provide appropriate project personnel (e.g., Team Lead, MSAG Coordinator, GIS Analysts, Wireless Coordinator, Project Manager, etc.).
- Provide any and all tools and/or software required to perform the tasks set out in this SOW
- Maintain a list of VSE employees authorized to work on Levy County's GIS, MSAG and ALI databases.

Implement an effective project management strategy that ensures successful and accurate submission of project deliverables in accordance with [Table 3](#), unless otherwise agreed to.

- Table 1 and any additional for the use of public safety 9-1-1 systems.



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- Coordinate with Levy County GIS Public Safety vendors (Intrado, Wireless Service Providers, VoIP Providers, etc.) under a Letter of Authorization (LOA) as required and agreed to.
- Perform wireless database support services to include call-routing sheet audits, cell sector analysis and wireless GIS layer sustainment.

1.5.2.2 LEVY COUNTY RESPONSIBILITIES

Levy County coordinates these services with VSE and has a clear understanding of the requirements and responsibilities associated with this SOW. As such Levy County will:

- Ensure the solution to transfer files securely between Levy County and VSE remains intact.
- Notify VSE of any changes in (county or vendor) personnel responsible for providing information and or data essential to the completion of the project.
- Inform VSE in the event there will be a change to the existing Customer Premise Equipment (CPE) that uses GIS, MSAG and ALI information within 30 days of impact.
- Provide specifications of the Levy County Computer Aided Dispatch (CAD) and Mapping systems so that VSE can deliver the appropriately formatted deliverables for those systems.
- Notify VSE in the event there will be a new CAD system or, the CAD system vendor performs a modification to the system that may affect the display of the mapping products and/or updates made by VSE for Levy County.
- Notify VSE if access to the MSAG and/or ALI databases for VSE employees has changed for any reason.
- Ensure VSE's access to Levy County's MSAG remains with continued access through the duration of the contract to view, query, initiate record corrections and pull extracts to perform corrections and synchronization work.
- Deliver to VSE one ALI TN and address report download from the DBMSP, within two weeks of VSE's request, within the contract timeframe.
- Make available to VSE copies of all newly acquired maps (electronic or hard copy), used by Levy County that can serve as a resource and would be useful for GIS layer updates, corrections, and/or modifications.
- Contact VSE with timely information regarding address updates or discrepancies, especially those resulting from a 9-1-1 call, so updates can be performed to the location data.
- Provide support and validation related to any 9-1-1 data discrepancies within 72 hours of request made by VSE, unless agreed upon otherwise.
- Coordinate map uploads to the 9-1-1 systems and data sharing for the purposes of the public safety network, as required.
- Ensure that third party providers fulfill their related responsibilities within the timeframes needed to keep the project on track.

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1.5.2.3 PROJECT ASSUMPTIONS

VSE works with Levy County and other required organizations and service providers to progressively standardize, synchronize and sustain Levy County's GIS, MSAG and ALI data to facilitate an increase in 9-1-1 caller location accuracy.

In order to achieve the desired goal of this project, VSE assumes the following:

- Levy County has disclosed all relevant information about their E9-1-1 System and will respond in a timely basis to any requests for clarification, address and other conflicting data resolution, etc.
- **MSAG and ALI Record Edits/Corrections and Transaction Inputs** - There will be no restrictions regarding the number and types of corrections or edits made to the MSAG records imposed by the DBMSP, Intrado, during a given day/week/month period.
- **Third Party Support** - Levy County's signed Letter of Authorization (LOA) remains intact with service providers that support VSE with data access, bulk change, etc. This includes support from vendors/solution providers associated with Levy County 9-1-1 software and systems.
 - Intrado will work with VSE under the LOA provided to them by Levy County to:
 - Provide data requested.
 - Perform database updates per requests.
 - Work with VSE to resolve record issues.
 - Provide VSE with access to on demand MSAG reports.
 - Coordinate data access for VSE's employees within 30 days from the start of the contract.
- Placement of sub-addressing information and indoor mapping features is based on information given to VSE, and therefore, we assume the accuracy of these placements in the data with which we are provided.
- Provide indoor digital map developed for 17 public and private schools, including all floors with details from provided floorplans only.
- **Any Moving of the Levy County PSAP and Installing New Equipment** to another building will be done in a manner that will not affect the contractual services that VSE performs. Should this occur, Levy County and VSE together will determine a resolution collaboratively for any issues or challenges that result.
- **The CAD and Mapping Systems** are capable of utilizing the map files delivered by VSE to Levy County for Levy County to share and upload.
- **Map Imagery of Levy County** - VSE will provide high quality NENA compliant map imagery downloaded from the State of Florida Department of Transportation (FDOT), providing the imagery data is available through their website. If the FDOT imagery data becomes unobtainable, VSE will alternatively use the good quality, standard, NENA-compliant ESRI basemap imagery.

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1.5.3 DELIVERABLES

VSE's customer-focused approach provides Levy County synchronization sustainment with GIS, MSAG and ALI database updates. Levy County shall continue to receive data improvements. These improvements will enable the Levy County PSAP and emergency responders to locate 9-1-1 callers, thus achieving faster response times and an increased potential more location accuracy for saving lives and property.

Table 3. GIS, MSAG and ALI Database Correction Services Deliverables

Deliverable	Title/Details	Initial	Subsequent	Task Cross Reference
Deliverable 1	Kick-off Meeting – A pre-start meeting to review strategy, workflows and milestones	30 days after Contract Kick-off	N/A	1.1 1.5
Deliverable 2	<p>Quarterly Synchronization Report (QSR) – <i>All activity undertaken during the quarter of the 9-1-1 databases complying with NENA standards and ensuring operational accuracy.</i></p> <p><i>Details within this report include:</i></p> <ul style="list-style-type: none"> • GIS changes • MSAG changes • ALI Changes • Summary of Impact – <i>items that impacted Levy County's 9-1-1 systems and operations that VSE is aware of</i> • Final Synchronization Report included only in the final month of service in this PoP 	Agreed to as a result of project kick-off meeting	Agreed to as a result of project kick-off meeting	1.1 1.2 1.3 1.4 1.5
Deliverable 3	<p>9-1-1 GIS Layers – <i>Updated GIS files which include work completed that month with details provided in the QSR on a quarterly basis outlining the number, and types of updates/corrections to the GIS layers</i></p> <p><i>These layers include:</i></p> <ul style="list-style-type: none"> • Road Centerline layer • Address Point (or Structure Point) layer • MSAG Community • ESN and ESZ boundary layers • PSAP Boundary layer • Provisioning Boundary layer • ESB layers • Supplemental GIS layers (to include but not limited to, wireless towers, Phase 1 Cell Sector, and Indoor Mapping layers) 	Agreed to as a result of project kick-off meeting	Agreed to as a result of project kick-off meeting	1.1 1.3 1.5
Deliverable 4	Wireless Call Routing Sheets (CRS) - <i>complete CRS files – in accordance with NENA Standard 57-002 – to the WSP on behalf of the PSAP ensuring timely updates occur to the FMCC database.</i>	No later than ten (10) working days after receiving the CRS files.	No later than ten (10) working days after receiving the CRS files.	1.3

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1.5.4 RISK MITIGATION STRATEGY

VSE provides a risk management strategy that involves how to structure and perform risk management for Levy County to ensure that identification, management and mitigation of risks are at acceptable levels. The purpose of this exercise is to provide a framework of how to identify and manage these potential events (risks) before they become actual events (issues).

Based on the company-wide risk management strategy, the risk management strategy entails customized use for Levy County's project requirements. The purpose and approach focus on identifying, evaluating, mitigating and responding to risks that could affect any aspect of the SOW. Our objective is to minimize the impact of unplanned incidents by identifying and addressing potential risks before negative consequences occur.

For each task, VSE identifies potential risks, and evaluates the probability of occurrence and potential impact for each risk. The developed risk mitigation plan includes a risk register (as illustrated in Table 4 below), that is proactively monitored during the program for the manifestation of known risks and any addition of new risks as they are identified. In this way, risk is managed effectively. We meet on a weekly basis as a part of our regular team meetings to review the status of all identified risks as well as actions for the project. Risk status is part of our regular status review and reporting process. This plan contains a revision history log which is part of the meeting minutes and QSR (Deliverable 2).

Table 4. SAMPLE Project Risk Reporting

Identify	Evaluate	Mitigate	Monitor / Report
Computer Aided Dispatch (CAD) data requirements may require manual configuration	Probability: Medium Impact: Moderate Overall Risk Level: Moderate	Work with CAD vendor to determine a work-around	Publish minutes on meetings with the vendor to the team.
Protection of MSAG and ALI data	Probability: Low Impact: Moderate Overall Risk Level: Moderate	Data changes, additions, and deletions must be reported in writing to Levy County	Report completed data changes/updates to Levy County via weekly/monthly/as needed status meetings

2.0 PROPOSED COST FOR SERVICES

Levy County can remain confident that all services described in VSE's Statement of Work together with its assumptions are from a one-stop-shop with no hidden fees or additional costs, unlike other service providers, that may not price for all necessary tasks at time of proposal.

The total fixed price for the Base Period of the project is **\$127,836.00** for the 12-month period of performance. This cost, paid in installments, align with the project milestones listed in Table 5 below. Upon reaching each milestone, VSE will submit a Milestone Acceptance Signoff and an invoice to Levy County. Levy County will then submit the signed Milestone Acceptance Signoff and the invoice to the State of Florida 9-1-1 Board.

Invoice submitted Payment terms are Net 30 days from the date of invoice submission.

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Table 5. Base Period: Milestone and Payments (4 October 2023 – 3 October 2024)

Milestone	Payment
1. Project Kickoff meeting	\$31,959.00
2. Delivery of Quarterly Status Report (QSR 1)	\$31,959.00
3. Delivery of Quarterly Status Report (QSR 2)	\$31,959.00
4. Delivery of Quarterly Status Report (QSR 3)	\$31,959.00
Total Value of Base Period	\$127,836.00

2.1 OPTION PERIODS

By approving the continuity of data and database management services provided by VSE, Levy County receives assured stability in their GIS data; stability that is necessary and essential for public safety. VSE shall continue providing 9-1-1 data and database management through a series of corrective and synchronization cycles for the base period of 12 months, with one (1) optional follow-on 12 month period of performance; the 12 month follow-on extension, at Levy County's option, will continue the work anticipated by this proposal upon the same terms and conditions. Levy County can exercise this option by providing written notice to VSE at least 30 days prior to the end of the base period.

VSE continues to ensure that Levy County receives accurate and up to date information through continuous sustainment of GIS, MSAG and ALI databases. With a fixed price solution, VSE synchronizes databases, corrects and updates the data in all databases - GIS, MSAG and ALI - and continues to sustain the 98% match post-achievement.

2.1.1 OPTION PERIOD 1: MILESTONES AND PAYMENT TERMS

The total fixed price for Option Period 1 contract of this project is **\$130,392.00** for the 12-month period of performance, assumed for 4 October 2024 - 3 October 2025. The pricing for the Option Period is valid until 4 October 2024.

The total fixed price of the project is further detailed by milestones in [Table 6](#) below. Upon reaching each milestone, VSE will submit a Milestone Acceptance Signoff and an invoice to Levy County.

Table 6. Option Period 1: Milestones & Payments (4 October 2024 – 3 October 2025)

Milestone	Payment
1. Kickoff meeting	\$32,598.00
2. Delivery of Quarterly Status Report (QSR 1)	\$32,598.00
3. Delivery of Quarterly Status Report (QSR 2)	\$32,598.00
4. Delivery of Quarterly Status Report (QSR 3)	\$32,598.00
Total Value of Option Period 1	\$130,392.00

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2.2 PRICING ASSUMPTIONS

In the development of the pricing of the GIS, MSAG and ALI Database Corrections for NG9-1-1 in support of Levy County, VSE has made the following assumptions:

- The anticipated base period of performance of 12 months will begin 4 October 2023 and end 3 October 2024, with option period timelines assumed as described in [Section 2.1.1](#).
- Tasks will be accomplished as outlined in [Sections 1.1-5.4](#) including each party's responsibilities ([Section 1.5.2](#))
 - Any deviations from the proposed tasks will result in the need to reevaluate the proposed price unless previously discussed and agreed upon during proposal negotiations
- Invoices will be submitted in accordance with the above Milestones & Payments tables, with NET 30 terms from the date of invoice submission
- With the option to extend for one additional 12-month period at the prices shown in [Section 2.1.1](#) Levy County may exercise the option by issuing a Purchase Order to VSE in the amount of the applicable option price by 4 October 2024, 30 days prior to the start of the applicable option period.

3.0 TERMS AND CONDITIONS

VSE, CORPORATION has developed and submitted this proposal in compliance with Florida Statute 119.01 General State Policy on Public Records.

Levy County will coordinate and ensure that all its employees, agents and other related contractors will: (1) follow existing guidelines it currently uses to protect similar proprietary information, but not less than reasonable care appropriate to the type of information; and (2) reproduce all proprietary notices, legends or markings on all copies or extracts of the GIS data.

Levy County is responsible for training and ensuring that such notices are observed by its employees, agents and contractors.

The data evaluated, generated, and distributed under this scope of work is intended for use by Levy County, FL 9-1-1 mapping systems only. This data is provided by VSE, CORPORATION, with the assistance of third-party subcontractors, as is, without warranty of any kind, including by not limited to the implied warranties of merchantability or fitness for a particular purpose. Thus, this data is not intended for public release, nor is it implied to be complete or accurate.

No commitment, contract, exclusivity or obligation for any business dealings or relationship is created by the disclosure and use of the GIS data. Levy County, FL may procure, market or independently develop similar products or services or pursue discussions or business relationships with others, provided Levy County, FL does not violate the above-mentioned restrictions regarding the use of Proprietary Information.

VSE, CORPORATION and Levy County, FL retain all right, title, and interest to the GIS data. No patent, copyright, trademark, or other proprietary right or license is granted or implied by the disclosure of the 9-1-1 GIS data.



STATEMENT OF WORK

4.0 ACCEPTANCE

By signing below, you confirm that you are authorized to sign on behalf of your agency/organization and agree to the scope and terms set forth in this document.

VSE Corporation/VSE, CORPORATION

Levy County

Debra L. Daniel

Date

Date



STATEMENT OF WORK APPENDIX A

Access Points	
Building Entrance	Custodial
Hallway Divider Door	Hallway
Large Internal Door	Kitchen Area
Open Entryway	Library Science and Technology
Standard Internal Door	Staff Utilities
	Stairway
	Storage
School Buildings	
<all other values>	Student Frequented Area
General_function	Student Utilities
Classroom	Teachers & Admin Area
	Unspecified

