

BILL NO. S-25-08-30

SPECIAL ORDINANCE NO. S-_____

AN ORDINANCE approving SERVICE AGREEMENT – 2025 SL-RAT CONTRACTED INSPECTIONS – WO# 77497 – (\$176,000.00) between INFOSENSE, INC. and the City of Fort Wayne, Indiana, by and through its Board of Public Works.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That the SERVICE AGREEMENT - 2025 SL-RAT CONTRACTED INSPECTIONS – WO# 77497 – between INFOSENSE, INC. and the City of Fort Wayne, Indiana, by and through its Board of Public Works, is hereby ratified, and affirmed and approved in all respects, respectfully for:

All labor, insurance, material, equipment, tools, power, transportation, miscellaneous equipment, etc., necessary for THE INSPECTION OF APPROXIMATELY 412,000 LINEAR FEET OF SMALL AND MEDIUM DIAMETER (8" TO 18") SEWERS THROUGHOUT THE CITY TO ASSESS FUTURE MAINTENANCE AND REHABILITATION NEEDS ON PIPES THAT HAVE NOT BEEN TELEVIEWED OR REHABILITATED;

involving a total cost of ONE HUNDRED SEVENTY-SIX THOUSAND DOLLARS AND 00/100 (\$176,000.00). A copy of said Contract is on file with the Office of the City Clerk and made available for public inspection, according to law.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Council Member

APPROVED AS TO FORM AND LEGALITY

Malak Heiny, City Attorney

**2025 SL-RAT Contracted Inspections
RESOLUTION NO. 77497**

RESOLUTION BY THE BOARD OF Public Works of the City of Fort Wayne, Indiana that:

Orders the Inspection of approximately 412,000 linear feet of small and medium diameter (8" to 18") sewers throughout the City using the Sewer Line Rapid Assessment Tool (SL-RAT). This project will give important data on pipes that have not been televised or rehabilitated, which will assist in future maintenance and rehabilitation needs.

Said Inspections with all their appurtenances shall be performed in accordance with the plans and specifications titled, 2025 SL-RAT Contracted Inspections.

Declares the cost of the said Improvements shall be paid by the funds from Fort Wayne Sewer Utility (Revenue).

Declares the project is necessary for the protection of public health and welfare of the inhabitants of the area and the safeguarding of property within the area.

Declares that this project is of public utility benefit.

Declares there is no cost associated with property acquisition.

Declares the engineer's estimate of the project's total cost is \$176,000.00.

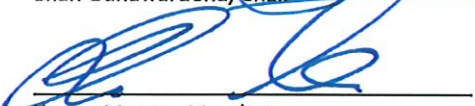
APPROVED THIS 17 DAY OF June, 2025.

BOARD OF PUBLIC WORKS

BY:


Shan Gunawardena, Chair

BY:


Kumar Menon, Member

BY:


Chris Guerrero, Member

ATTEST:


Michelle Fulk-Vondran, Clerk

SERVICE AGREEMENT: 2025 SL-RAT Contracted Inspections

SUPPLIER NAME InfoSense, Inc.	CITY DEPARTMENT/CONTACT NAME City Utilities Engineering
STREET ADDRESS 2102 Cambridge Beltway Dr, Suite D1	STREET ADDRESS 200 East Berry Street, Suite 250
CITY, STATE, ZIP CODE Charlotte, NC 28273	CITY, STATE, ZIP CODE Fort Wayne, IN 46802
ATTENTION Chase Mendell	INVOICE ADDRESS 200 E Berry Street, Suite 250
TELEPHONE 704-644-1164 x8	CITY, STATE, ZIP CODE Fort Wayne, IN 46802

Service Description	Rates
SL-RAT Acoustic Inspections.	See Section 7 of the quote

Estimated Completion Date:	
12/31/2025	

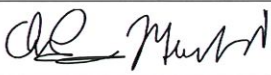
The following is made part of this agreement:

**Attachment: Acoustic Inspection
Service Proposal**

This Agreement is entered into between Supplier and the City. The Additional Terms and Conditions below hereof are part of this Agreement. Capitalized terms on this page are used as defined terms when the context so requires. The City may extend the Contract by mutual agreement and written notice to the Supplier.

SUPPLIER REPRESENTS THAT ANY PERSON OR ENTITY CONTRACTED OR PERMITTED BY SUPPLIER TO PERFORM AND DELIVER THE SERVICES WHO IS NOT AN EMPLOYEE OF SUPPLIER SHALL BE REQUIRED BY SUPPLIER TO COMPLY WITH THE WORKMEN'S COMPENSATION REQUIREMENTS ON THE REVERSE SIDE HEREOF.

***SUPPLIER, OR ANY PERSON OR ENTITY CONTRACTED OR PERMITTED BY SUPPLIER TO PERFORM AND DELIVER THE SERVICES THAT DOES NOT CARRY WORKMEN'S COMPENSATION INSURANCE MUST SUBMIT A VALID CLEARANCE CERTIFICATE APPROVED BY THE WORKMEN'S COMPENSATION BOARD OF INDIANA.**

SUPPLIER:	City of Fort Wayne
By (Signature): 	By (Signature):
Printed Name: Chase Mendell	Printed Name:
Date: 7/24/2025	Date:

ADDITIONAL TERMS AND CONDITIONS

1. **SERVICES.** Supplier agrees to perform the Services beginning on the Begin Date and continuing until the Services are completed. Supplier warrants that the Services will be completed on or before the End Date. **TIME IS OF THE ESSENCE.** Supplier warrants that all Services shall conform to the Service Description, be of good quality and workmanship, and be free from defects. Supplier further warrants that all goods furnished in connection with the Services shall be merchantable and suitably safe and sufficient for the purpose for which they are normally used. Supplier warrants that it has good title to goods supplied hereunder and that they are free of all liens and encumbrances. These warranties are in addition to those implied in fact or in law. For the purposes of this Agreement, the term "Services" shall include any goods furnished in connection with the Services.
2. **INVOICES.** Supplier shall invoice the City for Services performed according to the Rates, Billing Interval, and Invoice Address. Invoices shall be rendered in triplicate and shall itemize the Services performed, the Service Address, and the corresponding rates and taxes, if any. Payment shall be due within thirty (30) days after the invoice date or the date of completion of the invoiced Services, whichever occurs later, provided that the City shall not be obligated to make any payment to Supplier hereunder until Supplier has furnished proof satisfactory to the City of full payment for all labor, materials, supplies, machinery, and equipment furnished for or used in performance of this Agreement or has furnished all necessary waivers of lien supported by affidavits, all satisfactory to the City, establishing that all liens and rights to claim liens that could arise out of the performance of the Services have been waived. Payment of invoices shall not constitute acceptance of the Services, and invoices shall be subject to adjustment for defects in quality or any other failure of Supplier to meet the requirements of this Agreement. The City may at any time set off any amount owed by the City to supplier against any amount owed by Supplier or any of its affiliated companies to the City.
3. **INDEPENDENT CONTRACTOR RELATIONSHIP.** The relationship between City and Supplier is and shall at all times remain as independent contractors. Persons provided by Supplier to perform and deliver the Services shall be Supplier's employees under the sole and exclusive direction and control of Supplier and shall not be considered employees of City for any purpose. Supplier shall be responsible for compliance by Supplier's employees and any other person or entity contracted or permitted by Supplier to perform and deliver the Services, with all laws, rules and regulations applicable to the performance and delivery of the Services hereunder, including but not limited to employment, labor, wage and hour, health and safety, and working conditions. Supplier shall be responsible for the payment of all federal, state and local taxes and charges of any type or nature assessed with respect to Supplier's employees and any other persons or entities contracted or permitted by Supplier to provide and deliver the Services, including Social Security, unemployment, Workmen's Compensation, disability insurance and federal and state withholding. Supplier shall be responsible for providing such reasonable accommodations which may be required under the Americans with Disabilities Act, 42 U.S.C.12101 et seq. in order that any person with disabilities employed, contracted or permitted by Supplier to provide the Services to be able to perform the essential functions of such person's job-related duties. Supplier agrees to defend, indemnify and hold harmless City, to the extent permitted by law, from and against any loss, cost, claim, liability, damage or expense (including attorneys' fees) that may be asserted against or incurred by City as a result of Supplier's failure to comply with the covenants and obligations of this paragraph.
4. **INDEMNITY.** Supplier forever releases, discharges, acquits and agrees to defend, indemnify and hold harmless City, its officers, directors, employees, representatives, agents, departments and divisions, to the extent permitted by law, from and against all demands, damages, liabilities, costs and expenses (including reasonable attorneys' fees), judgments, settlements and penalties of every kind and nature asserted against, charged to or imposed upon City which directly or indirectly arise or are associated with the performance and delivery of the Services by Supplier, the employees of Supplier or any person or entity contracted or permitted by Supplier to provide and deliver the Services, which is claimed to be caused directly or indirectly to the negligent or intentional act or omission of Supplier, any employee of Supplier or any person or entity contracted or permitted by Supplier to perform and deliver the Services, including, without limitation, damages for personal injury, death or loss of or damage to property. City may elect to participate in the defense of any lawsuit, claim or demand in which City is a named party or in which City may have an interest by employing attorneys selected by City at City's expense or to be represented by Supplier's counsel at Supplier's expense, without waiving Supplier's defense, indemnity and hold harmless obligations to City contained herein. Supplier shall not settle or compromise any claim, suit or action or consent to entry or a judgment without the prior written consent of City and without the unconditional release of City from liability by each claimant or plaintiff. The indemnification covenants contained herein shall survive the completion of the performance and delivery of the Services.
5. **LIMITATION OF LIABILITY.** Supplier's liability hereunder for any loss, cost, claim liability, damage or expense (including attorneys' fees) arising out of any negligent or intentional act or omission of the performance of the obligations hereunder by Supplier, Supplier's employees or any person or entity contracted or permitted by Supplier to perform any obligation under this Agreement shall be limited to the amount of the direct damage incurred by City. Absent grossly negligent or willful misconduct by Supplier, Supplier's employees or any person or entity contracted or permitted by Supplier to perform the obligations under this Agreement, Supplier shall not be liable for any indirect, incidental, special, consequential or punitive damages of any kind whatsoever.
6. **INSURANCE.** Supplier shall maintain in full force and effect during the performance and delivery of the Services, and shall require any person or entity contracted or permitted by Supplier to perform and deliver the Services, the following insurance coverage:

(a) General Liability	\$1,000,000 minimum per occurrence/ \$2,000,000 aggregate
Personal & Advertising Liability	\$1,000,000 any one person or organization
Products/Completed Operations Liability	\$2,000,000 aggregate
(b) Automobile Liability, including Hired and Non-Owned Auto	\$1,000,000 minimum per occurrence
(c) Worker's Compensation*	
Bodily Injury by Accident	\$500,000 each accident
Bodily Injury by Disease	\$500,000 policy limit
Bodily Injury by Disease	\$500,000 each employee

*SUPPLIER, AND ANY PERSON OR ENTITY CONTRACTED OR PERMITTED BY SUPPLIER TO PERFORM AND DELIVER THE SERVICES WHO DOES NOT CARRY WORKMEN'S COMPENSATION INSURANCE MUST SUBMIT A VALID CLEARANCE CERTIFICATE APPROVED BY THE WORKMEN'S COMPENSATION BOARD OF INDIANA.

The Certificate of Insurance must show the City of Fort Wayne, its Departments and Divisions, as an Additional Insured and a Certificate Holder, and provide 30 days' notification of cancellation, modification or non-renewal.

All Certificates of Insurance should be sent to the following address:
City of Fort Wayne Purchasing Department
200 East Berry Street, Suite 490
Fort Wayne, IN 46802
7. **HAZARDOUS MATERIALS.** Supplier will provide to the City before performing any Services, a statement describing any Hazardous Materials intended and necessary for use in performing the Services. "Hazardous Materials" means any item which may be classified under federal, state, or local law, as hazardous or toxic. Supplier must comply with all federal, state, or local law in the use, transportation, and disposal of such Hazardous Materials.
8. **PROGRESS REPORTS.** The Supplier shall submit progress reports to the City upon request. The report shall serve the purpose of assuring the City that work is progressing in line with the schedule, and that completion can be reasonably assured on the scheduled date. This contract shall be deemed to be substantially performed only when fully performed according to its terms and conditions and any modification thereof.
9. **CONFLICT OF INTEREST.** Supplier certifies and warrants that neither it nor any of its directors, officers, agents, representatives, board members, or employees which will participate in any way in the performance of the Supplier's obligations hereunder has or will have any conflict of interest, direct or indirect, with the City of Fort Wayne or any of its departments, divisions, agencies, officers, directors, board members, or agents.
10. **CONFIDENTIALITY OF DATA, PROPERTY RIGHTS IN PRODUCTS, AND COPYRIGHT PROHIBITION.** Supplier further agrees that all information, data findings, recommendations, proposals, etc. by whatever name described and by whatever form therein secured, developed, written or produced by the Supplier in furtherance of this contract—shall be the property of the City. The Supplier shall take action as is necessary under law to preserve such property rights in and of the City while such property is within the control and/or custody of the Supplier. By this contract the Supplier specifically waives and/or releases to the City any cognizable property right of the Supplier to copyright, license, patent or otherwise use such information, data findings, recommendations proposals, etc.
11. **CONFIDENTIALITY OF CITY INFORMATION.** Supplier understands and agrees that data, materials, and information disclosed to Supplier may contain confidential and protected data. Therefore, the Supplier promises and assures that data, material, and information gathered, based upon or disclosed to the Supplier for the purpose of this contract, will not be disclosed to others or discussed with other parties without the prior written consent of the City.
12. **EMPLOYER CERTIFICATION.** In accordance with I.C. §22-5-1.7, Supplier understands and agrees to enroll and verify work eligibility status of all newly hired employees of the contractor through E-Verify program or any other system of legal residence verification as approved by the United States Department of Homeland Security or the department of homeland security. Supplier further understands that they are not required to verify work eligibility of status of newly hired employees of the Supplier through the E-Verify program if the E-Verify program no longer exists. Supplier certifies that they do not knowingly employ any unauthorized aliens.
13. **COMPLIANCE WITH LAWS.** Supplier warrants that the Services shall be in strict conformity with all applicable local, state and federal laws including, but not limited to, the standards promulgated by the Occupational Safety and Health Act, Executive Order 11246, as amended, relative to Equal Employment Opportunity and all other applicable laws, rules, and regulations, including the Civil Rights Act of 1964 pertaining to equal opportunity, Section 503 of the Vocational Rehabilitation Act of 1973, the American with Disabilities Act, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and all applicable immigration laws and regulations including the 1986 Immigration Reform and Control Act et seq. Supplier agrees to indemnify and hold harmless the City from and against any loss, cost, claim, liability, damage, or expense (including attorney's fees) that may be sustained because of Supplier's breach of such warranty.
14. **DEFAULT.** In the event that (a) Supplier breaches any warranty contained herein; (b) Supplier fails to provide the insurance certificate required herein; (c) Supplier or Supplier's insurance carrier fails to defend, indemnify, or hold harmless the City as required herein; (d) Supplier's performance of the Services violates applicable law; (e) Supplier admits insolvency, makes an assignment for the benefit of creditors, or has a trustee appointed to take over all or a substantial part of its assets; or (f) Supplier fails to perform or comply with any other provision of this Agreement, such failure, breach, or violation shall constitute a default under this Agreement.
15. **TERMINATION.** In the event of default by Supplier under this Agreement, the City reserves the right without liability, in addition to its other rights and remedies, to terminate this Agreement by notice to Supplier as to the portion of the Services not yet rendered and to purchase substitute services at Supplier's expense. Supplier shall reimburse the City for the cost of such substitute services upon Supplier's receipt of an invoice, therefore.
16. **WAIVER.** No action or inaction by the City shall constitute a waiver of any right or remedy.
17. **CANCELLATION.** City may at any time cancel this Agreement in whole or in part for its sole convenience upon written notice to Supplier, and Supplier shall stop performing the Services on the date specified in such notice. The City shall have no liability as a result of such cancellation, except that the City will pay Supplier the Rates for completed Services accepted by the City and the actual incurred cost to Supplier for Services in progress. These payments shall not exceed the Aggregate Price.
18. **FORCE MAJEURE.** Neither party shall be liable to the other or responsible for nonperformance of any of the terms of this Agreement due to unforeseeable causes beyond the reasonable control and without the fault or negligence of such party, including, but not restricted to acts of God or the public enemy, acts of government, fire, floods, epidemics, quarantine restrictions, strikes, freight embargoes, or unusually severe weather.
19. **NOTICES.** All notices required or permitted to be made or given hereunder by one party to the other party shall be in writing and shall be deemed to have been given when hand delivered, or on the date stated on the receipt if deposited in the United States mail in certified form, postage prepaid with return receipt requested, and addressed to such other party at its Notice Address or at such other address as may be specified by such other party by written notice sent or delivered in accordance herewith.
20. **ASSIGNMENT.** Any assignment, in whole or in part, of Supplier's rights or obligation under this Agreement without the prior written consent of the City shall be void. Supplier shall not use subcontractors to perform any part of the Services without the prior written consent of the City.
21. **GOVERNING LAW, PREFERRED VENUE.** This Agreement shall be governed by and construed and enforced in accordance with the laws of the State of Indiana. The parties hereto agree that any action, proceeding, claim or dispute arising hereunder or relating hereto shall be brought and enforced in a court of applicable jurisdiction located in Allen County, Indiana and irrevocably submit to such jurisdiction and venue, which jurisdiction and venue shall be exclusive and waive any objection to such exclusive jurisdiction and venue or that such courts represent an inconvenient forum.
22. **ACCESS TO RECORDS.** The Supplier shall maintain all books, documents, papers, accounting records, and other evidence pertaining to the cost incurred. They shall make such materials available at their respective offices at all reasonable times during the contract period and for three (3) years from the date of final payment under the contract for inspection by the City or by any other authorized representative of city government. Copies thereof shall be furnished at no cost to the City if requested.
23. **NONDISCRIMINATION.** Pursuant to IC 22-9-1-10, the Civil Rights Act of 1964, and Title VI, Supplier and its subcontractors shall not discriminate against any employee or applicant for employment in the performance of this contract. The Supplier shall not discriminate with respect to hire, tenure, terms,

conditions or privileges of employment or any matter directly or indirectly related to employment, because of race, color, religion, sex, disability, national origin or ancestry. Breach of this covenant may be regarded as a material breach of contract. Acceptance of this contract also signifies compliance with applicable Federal laws, regulations, and executive orders prohibiting discrimination in the provision of services based on race, color, national origin, age, sex, disability or status as a veteran.

24. MISCELLANEOUS. If any provision of this Agreement is held to be invalid or unenforceable, the validity and enforceability of the remaining provisions shall not be affected. This Agreement shall be governed by the laws of the state of Indiana and shall be subject to the exclusive jurisdiction of the courts therein. This Agreement embodies the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements and understanding, whether written or oral, and all contemporaneous oral agreements and understandings relating to the subject matter hereof. No agreement hereafter made shall be effective to modify or discharge this Agreement, in whole or in part, unless such agreement is in writing and signed by the party against whom enforcement of the modification or discharge is sought. The paragraph headings are for convenience only and are not intended to affect the interpretation of the provisions hereof. This agreement shall be binding on the parties hereto and their respective personal and legal representatives, successors and assigns.

Acoustic Inspection Service Proposal



Prepared for: Fort Wayne, Indiana

Section 1: Recommendation to include project approach, equipment to be used, process for field verifying proper equipment function, and deliverable generation process.

Project Overview:

InfoSense's goal is to enhance the efficiency, affordability, and speed of gravity sewer maintenance. The acoustic inspection service was designed to be a comprehensive turnkey solution for utilities. Our team can swiftly inspect over 10,000 feet of gravity sewer per day. The result is high-quality condition data that can help your utility to better prioritize the deployment of expensive cleaning assets and optimize sewer maintenance resource allocation.

Project Equipment/Technology:

The SL-RAT® uses transmissive acoustics to identify blockages in small-diameter (6-18") gravity sewer lines. The transmitter (TX) emits tones that travel through the pipe's airspace to the receiver (RX) in an adjacent manhole. Based on how the sound is dampened, a pattern-matching algorithm assigns a score from 0 to 10, indicating blockage severity.

This process is quick, requires no confined space entry, and avoids flow contact. A score of 0 means a complete blockage, while 10 indicates ample flow capacity. Pipes scoring 7-10 typically do not need cleaning, while those scoring 3 or below should be prioritized for cleaning or further investigation. Scores of 4-6 suggest a need for future inspection based on available resources and risk tolerance.

Verification of Proper Equipment Function

A verify test is completed each day before the start of assessments. If the device scores a 9 or 10 during the verify test, the unit is operating as it should. Field operators have all received NASSCO Certification in PACP, LACP, and MACP.

Corrective Testing Methods for Acoustic

- The InfoSense testing protocol is consistent with ASTM F3220-17.
- Each segment will be tested independently when possible.
- Operators are trained in distance estimation. When entering distance data on the RX unit, operators will use actual GIS measurements whenever available and rely on visual estimation when GIS data is not accessible.
- If a test is rejected in the field, it will be documented and re-tested when appropriate.

Summary of Deliverables:

The following services and deliverables are included as part of this estimate:

Fieldwork

- Acoustic inspection using the SL-RAT® (~1,668 pipe segments)
- Manhole Inspections (~1,800 manholes)

Data Management

- Live tracking during data collection
- Optional SL-DOG® portal access to view and export acoustic scores

Final Deliverables

- ArcGIS cloud-based final results that integrate both manhole inspection data and acoustic inspection data into one searchable and filterable report
- Optional meeting with customer staff that includes a PowerPoint synthesis of major findings

Section 2: Provide information of relevant projects that your firm has performed within the last 5 years that best demonstrates your firm's and your proposed key personnel's current qualifications and ability to perform the Work (or similar scope and complexity to the Project). Please denote which projects or customers are from within Indiana.

Lombard, Illinois Acoustic Inspection Project

Summary: InfoSense's Acoustic Inspection team inspected approximately 100 miles of sanitary sewer lines over two years. The second phase of this project was completed in July 2024. Based on the SL-RAT® data, only 17% of the lines inspected required follow-up cleaning. Compared to a rotational or time-based cleaning program, this approach is estimated to have saved the Village of Lombard over \$200,000.

Team: Chase Mendell, Christina Rupe, Andull Anderson, and Dennis Mutts were all involved in similar roles for this project.

Reference: Brian Jack, *Utilities Superintendent*, jackb@villageoflombard.org

Challenges: For this project, there were multiple manholes located in the middle of busy main roads. Our team marked these areas as "high traffic" on the GIS map and then returned with Lombard's traffic control team to inspect them during the final week of the project.

Switz City, Indiana Acoustic Inspection Project

Summary: This one-day project was completed in partnership with the Buried Asset Management Institute (BAMI-I) and Purdue University. Switz City is a small town with less than 300 people. Despite its size, it has a complete water and sewage system. This project was the first step in helping Switz City develop a robust asset management program.

During the one-day project, a two-person team inspected approximately 2.3 miles of sanitary sewer over an 8-hour day. The data showed that approximately 1,000 feet required follow-up cleaning. Our team also identified 27 manholes for follow-up maintenance. Our team found debris, I&I, and poor structure conditions in these manholes.

Team: The inspection was completed by Chris Callahan and Adam Hershberger (BAMI-I). Chase Mendell assisted in creating the maps and deliverables.

Reference: Adam Hershberger, ahershberger@inh2o.org

Challenges: Our team had minimal issues with this project.

Citizens Energy Group

Summary: Citizens Energy Group is a public charitable trust that provides wastewater utility service to Marion County, Indiana. Citizens Energy Group purchased its first SL-RAT® unit in 2017 and has since expanded its program to 6 units. They have measured over 1,500 miles of sanitary sewer with the SL-RAT® and have used the data to optimize their cleaning schedule.

Reference: Ron Sanders, *Wastewater Supervisor*, rsanders@citizensenergygroup.com

Section 3: Identify key personnel proposed to be assigned to the Project and provide a brief summary of the key personnel (client contact, project manager, and key field members as appropriate) along with resumes.

Contact	Title	Email
Chase Mendell	Project Manager	cmendell@infosense.com
Christina Rupe	Administrator	crupe@infosense.com
Andull Anderson	Field Survey Tech	aanderson@infosense.com
Dennis Mutts	Field Survey Tech	dmutts@infosense.com
Aimee Tschiffely	Customer Success	atschiffely@infosense.com
Chris Callahan	Territory Sales Manager	ccallahan@infosense.com

Christina Rupe*Director of Administration*

(704) 644-5696

crupe@infosense.com

Christina has worked at InfoSense for over a decade, with experience in project management, customer service, and contracts. She currently works alongside the Project Manager, overseeing project execution and field crew operations. Christina will be your primary contact for any concerns related to the field crew, billing, or contracts. Christina has held a NASSCO-certification in PACP, LACP, and MACP.

Chase Mendell*Marketing & Systems Operations Manager*

(704) 644-7182

cmendell@infosense.com

Chase joined InfoSense two years ago as the Marketing Strategist and was recently promoted to Marketing & Systems Operations Manager. Chase is responsible for the project's day-to-day management and will be your primary contact for any concerns related to GIS mapping, data collection, or deliverable creation.

Aimee Tschiffely*Customer Success Manager*

(704) 644-8088

atschiffely@infosense.com

Aimee joined InfoSense two years ago as a part-time office assistant. Since then, she has earned two promotions and now serves as our Customer Success Manager. In this role, she works closely with the Service Project team, ensuring that projects run smoothly, and that customer needs are fully met. Aimee is a NASSCO-certified professional in PACP, LACP, and MACP.

Andull Anderson*Field Service Technician*

(864) 906-3160

aanderson@infosense.com

Andull has been with InfoSense for two years, demonstrating exceptional work ethic and expertise in field operations and troubleshooting equipment. His contributions have strengthened service operations, making him a key player in numerous projects, including those for the City of Baltimore, the Town of Lamar, the City of York, the Village of Cary, the Village of Lombard, the City of Greer, the City of Monroe, and the City of Coralville. Andull is a NASSCO-certified professional in PACP, LACP, and MACP. Dennis was a technician on the 2024 Fort Wayne inspection project.

Dennis Mutts

Field Service Technician

(980) 622-9922

dmutts@infosense.com

Dennis has been with InfoSense for two years, quickly mastering equipment usage, troubleshooting, and problem-solving while displaying strong leadership skills. He has played a crucial role in various projects, including those for the City of Baltimore, the Town of Lamar, the City of York, the Village of Cary, the Village of Lombard, the City of Greer, the City of Monroe, and the City of Coralville. Dennis will be the lead operator and the main point of contact on the field team. Dennis is a NASSCO-certified professional in PACP, LACP, and MACP. Dennis was a technician on the 2024 Fort Wayne inspection project.

Section 4: Provide a proposed timeline to complete the work

The following high-level timeline is subject to change based on operating and weather conditions.

Week 1: Project planning phase

- GIS tracking map is finalized.
- Tracking deliverables are created for Fort Wayne to track real-time progress.

Week 2-12: Inspection work is completed

- The inspection team will inspect approximately 50,000 feet per week.
- One week buffer for high-traffic areas.

Week 13: Deliverable creation

- Create final deliverables.

Section 5: A list of projects that your firm has previously performed for any department of the City of Fort Wayne during any part of the previous five (5) years.

In 2024, InfoSense inspected 1,196 pipe segments totaling approximately 273,000 feet of gravity sewer. This project did not include manhole inspections. Overall, the project is estimated to have saved the city upwards of \$235k by showing where to best deploy cleaning and CCTV resources.

View the final data dashboard [here](#).

Additionally, the City purchased two SL-RAT® devices from InfoSense in March 2023. Our vendor number with the City is 13752.

Section 6: Other information as you determine necessary or recommend as beneficial to the Project submittal or the Project's overall success.

Benefits of InfoSense Acoustic Inspection:

- Expedite sanitary sewer condition assessments to enhance system hydraulic performance
- Provide valuable data faster and more affordably than traditional CCTV methods
- Assist with improving the accuracy of GIS maps and asset inventories for a more robust asset management program
- Populate asset management systems with acoustic scores linked to sewer assets
- Support proactive, condition-based maintenance instead of less efficient, reactive, or time-based approaches
- Optimize resources by identifying the specific pipes that need cleaning or further maintenance activity, saving cleaning equipment operating time and flushing water
- Demonstrate environmental responsibility by conserving clean water and reducing unnecessary heavy vehicle traffic on City streets
- Enable the use of a Quality Assurance loop post-flushing to assess effectiveness and identify any further actions required
- Reduce the risk of Sanitary Sewer Overflows or basement flooding from sewer backups
- Offer quantified asset assessments to assist in insurance claims review processes

Anticipated Results

Based on past work experience in Fort Wayne, we would anticipate finding 150-350 low-scoring pipe segments that require further cleaning, inspection, or maintenance activity

Common Sewer Line Issues Discovered:

- FOG Build Up
- Roots
- Debris
- Protruding taps/service connections
- Sags and Collapsed Lines

Benefits of InfoSense Manhole Inspection:

- Our crews are trained to spot signs of obvious I/I in manholes. Use this preliminary data to target lines without the need for robust I/I detection services.
- Our crews conduct a systematic review of all observable components of each manhole – focused on identifying and documenting defects and issues observed
- Help better direct manhole maintenance by using qualitative inspection data to prioritize rehabilitation efforts.
- Minimum of two pictures of every manhole inspected with documented notes describing issues identified - where appropriate

Common Manhole Issues Discovered:

- Signs of Inflow and Infiltration issues
- Debris buildup
- Cracked lids
- Broken collars
- Paved over/inaccessible
- GIS data issues
- H2S
- Structural defects
- Signs of prior surcharge

Anticipated Results

Based on past work experience with other customers, we would anticipate finding 50-200 manholes that exhibit at least one of the issues identified above.

Section 7: A complete cost per inspection.

Item #	Description	Estimated Quantity	Unit	Unit Price	Amount
1	Mobilization and Demobilization (Not to Exceed 5%)	1	LS	\$7,104.00	\$7,104.00
2	Maintenance and Protection of Traffic	1	LS	\$1.00	\$1.00
3	Acoustic Sewer Inspections	1,668	EA	*\$70.33	\$117,310.44
4	Manhole Inspections	1,835	EA	**\$13.50	\$24,772.50
4	Owner's Work Allowance (City Determined)	1	LS	\$5,000.00	\$5,000.00
		Total			\$154,187.94

*Sewer Lines deemed inaccessible will be marked as such, along with the reason and supporting evidence. These lines will be charged at \$45 per line. The crew can reinspect these lines if the reason for inaccessibility is addressed. Inaccessible lines will be deducted from the owner's Work Allowance.

**Manhole inspections that require additional excavation or take greater than 10 minutes to uncover will be charged an additional \$10 per manhole. Additional fee will be deducted from the owner's work allowance.

ADDENDUM #1

InfoSense acknowledges Addendum #1 and has considered it in relation to this bid.

Rain Measurements

Our team will not conduct measurements on combined sewers within 24 hours of a rain event of 0.5" or more, and no measurements will be recorded within 24 hours of a 1" or greater event.

Additionally, we will include a field in the SL-RAT measurements to track recent rain events. This field will default to 0 and be updated during the QA/QC process to reflect recent rainfall.

ADDENDUM #2

Cannot Inspect Policy

We strive to inspect every line and manhole in a project. However, 10-30% of assets are typically inaccessible for various reasons.

To address this, we allocate 1-3 weeks after inspections conclude to revisit "Cannot Inspect" areas, provided the reason has been resolved (e.g., returning to high-traffic lines with a traffic crew). If more than 40,000 linear feet still require inspection after this period, our team will schedule an additional week. Any remaining inaccessible footage may be deferred to a future project.

Below is a table of the Cannot Inspect reasons and the customer resolution required to reinspect.

Issue	Resolution
High Traffic	Provide traffic crew
Cannot Locate Manhole	Crew returns with customer to identify the location of the manhole
Manhole Is Buried/Paved Over/Bolted Down	Uncover manhole so that it is accessible for the field crew
Manhole In Woods	Identify specific location of manhole in woods or clear brush so that it is easily accessible
Behind Locked Gate/Construction Site	Give crew access to area to perform inspection
Vehicle Parked on Manhole	The crew will return to see if the vehicle has moved. If possible, the crew will leave a note asking the owner to move vehicle.

Interoffice Memo

Date: August 15 2025
To: Common Council Members
From: Eric Ruppert, Manager, City Utilities Engineering
RE: 2025 SL-RAT Contracted Inspections
W.O. # 77497

Eric Ruppert
8/15/2025

Council District # City Wide

Contractor shall provide the City professional Engineering services in all phases of the Project to which the scope of services applies. The intent of the project is to assess future maintenance and rehabilitation needs on pipes that have not been televised or rehabilitated.

Implications of not being approved: Blockages and defects in pipes can cause issues such as pipe breaks/collapses, leaks, and sewage backups. It is important for the City Utilities Asset Management team to track where these issues are occurring in the City's sewer system, and put focus into improving these areas to give improved sewage service to homeowners throughout the city. The data that can be collected as part of this project can help determine the condition and the amount of debris in various sewer pipe segments. This will allow the City asset management to prioritize which pipes will need future maintenance and rehabilitation and can determine where the system can work more efficiently.

Council Suspension of Rules: N/A

Selection and Approval Process: InfoSense, Inc. is the exclusive supplier, manufacturer, and distributor of the SL-RAT inspection technology, and meets the qualifications to quote on and use the SL-RAT for inspection purposes. This contractor was selected, and a request for proposal was sent to the firm. Utilities Engineering staff reviewed the qualifications and bids of the firm, and selected InfoSense, Inc. for this project. Utilities Engineering finds their scope and bid to be the best value for this project. The Board of Public Works approved the contract on June 17, 2025, with a fee of \$176,000.00.

The cost of said project funded by Utility Revenue.

Council Introduction Date: August 26, 2025

CC: Matthew Wirtz
Jill Helfrich
File