

## CITY OF AURORA AGREEMENT

**THIS AGREEMENT**, entered on this January 13, 2026 (“Effective Date”), for the (Services”) is entered into between the **CITY OF AURORA** (“City”), a municipal corporation, located at 44 E. Downer Place, Aurora, Illinois and M.E. Simpson Co., Inc. (“Proposer”), located at

**WHEREAS**, the City issued a Qualification Based Selection (“QBS”) on October 6, 2025 for the leak detection; and  
services

**WHEREAS**, the Proposer submitted a Proposal in response to the QBS and represents that it is ready, willing and able to perform the Services specified in the QBS and herein as well as any additional services agreed to and described in the Agreement; and

**WHEREAS**, on \_\_\_\_\_, the City awarded a contract to Proposer, \_\_\_\_\_.

**IN CONSIDERATION** of the mutual promises and covenants herein contained, the parties hereto do mutually agree to the following:

### **1. Agreement Documents.**

The Agreement shall be deemed to include this document, Proposer’s response to the QBS, to the extent it is consistent with the terms of the QBS, any other documents as agreed upon by the parties throughout the term of this Agreement, along with any exhibits, all of which are incorporated herein and made a part of this Agreement. In the event of a conflict between this Agreement and any exhibit, the provisions of this Agreement shall control.

Qualification Based Selection \_\_\_\_\_.

In connection with the QBS and this Agreement, Proposer acknowledges that it has furnished and will continue to furnish various certifications, affidavits and other information and reports, which are incorporated herein. Proposer represents that such material and information furnished in connection with the QBS and this Agreement is truthful and correct. Proposer shall promptly update such material and information to be complete and accurate, as needed, to reflect changes or events occurring after the Effective Date of this Agreement.

### **2. Scope of Services.**

Proposer shall perform the Services listed in the Proposal, attached hereto as Exhibit 1.

### **3. Term.**

This agreement shall remain in effect until the terms of the QBS and completion of services have been met, unless sooner terminated in accordance with the terms contained herein, ends upon completion of services.

#### **4. Compensation.**

**Maximum Price.** In accordance with the Proposer's negotiated cost, the price for providing the Services shall be as stated on the submitted Proposal, Exhibit 2.

**Schedule of Payment.** The City shall pay the Proposer for the Services in accordance with the amounts set forth in Exhibit 2, price shall remain firm for the entire contract period. The Proposer shall be required to submit an itemized invoice as well as any supporting documentation as required by the City. Each invoice shall be accompanied by a statement of the Proposer of the percentage of completion of the Services through the date of the invoice. Payment shall be made upon the basis of the approved invoices and supporting documents. The City, after inspection and acceptance, and in consideration of the faithful performance by the Proposer, agrees to pay for the completion of the work embraced in this Contract. Payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, *et. seq.*) upon receipt of the invoice.

#### **5. Performance of Services.**

**Standard of Performance.** Proposer shall perform all Services set forth in this Agreement, and any other agreed documents incorporated herein, with the degree, skill, care and diligence customarily required of a professional performing services of comparable scope, purpose and magnitude and in conformance with the applicable professional standards. Proposer shall, at all times, use its best efforts to assure timely and satisfactory rendering and completion of the Services. Proposer shall ensure that Proposer and all of its employees or subcontractors performing Services under this Agreement shall be: (i) qualified and competent in the applicable discipline or industry; (ii) appropriate licensed as required by law; (iii) strictly comply with all City of Aurora, State of Illinois, and applicable federal laws or regulations; (iv) strictly conform to the terms of this Agreement. Proposer shall, at all times until the completion of the Services, remain solely responsible for the professional and technical accuracy of all Services and deliverables furnished, whether such services are rendered by the Proposer or others on its behalf, including, without limitation, its subcontractors. No review, approval, acceptance, nor payment for any and all of the Services by the City shall relieve the Proposer from the responsibilities set forth herein.

#### **6. Termination.**

**Termination for Convenience.** The City has the right to terminate this Agreement, in whole or in part, for any reason or if sufficient funds have not been appropriated to cover the estimated requirement of the Services not yet performed, by providing Proposer with sixty (60) days notice specifying the termination date. On the date specified, this Agreement will end. If this Agreement is terminated by the City, as provided herein, the City shall pay the Proposer only for

services performed up to the date of termination. After the termination date, Proposer has no further contractual claim against the City based upon this Agreement and any payment so made to the Proposer upon termination shall be in full satisfaction for Services rendered. Proposer shall deliver to the City all finished and unfinished documents, studies and reports and shall become the property of the City.

## **7. Miscellaneous Provisions.**

**a. Illinois Freedom of Information Act.** The Proposer acknowledges the requirements of the Illinois Freedom of Information Act (FOIA) and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.

**b. Entire Agreement.** This Agreement, along with the documents set forth in Section 1 and incorporated by reference elsewhere in this Agreement, with consent of the parties, represents the entire agreement between the parties with respect to the performance of the Services. No other contracts, representations, warranties or statements, written or verbal, are binding on the parties. This Agreement may only be amended as provided herein.

**c. Consents and Approvals.** The parties represent and warrant to each other that each has obtained all the requisite consents and approvals, whether required by internal operating procedures or otherwise, for entering into this Agreement and the undertakings contemplated herein.

**d. Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be an original, but all of which shall constitute one and the same instrument.

CITY OF AURORA, ILLINOIS

(Contractor) M.E. Simpson Co., Inc.

\_\_\_\_\_  
SIGNATURE

Jolene Coulter

\_\_\_\_\_  
FULL NAME

\_\_\_\_\_  
DATE SIGNED

Director of Purchasing

\_\_\_\_\_  
TITLE

Cara Lance-Emerick

\_\_\_\_\_  
SIGNATURE

Cara Lance-Emerick

\_\_\_\_\_  
FULL NAME

1/13/2026

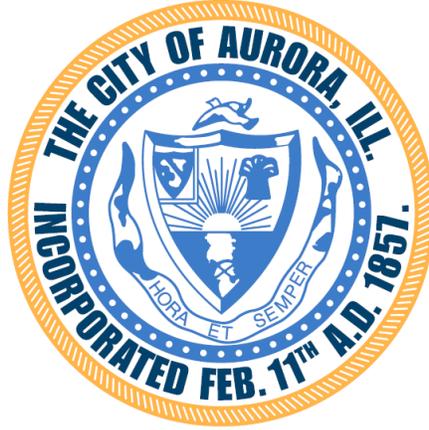
\_\_\_\_\_  
DATE SIGNED

Chief Financial Officer

\_\_\_\_\_  
TITLE

**CITY OF AURORA**  
**2026-2028 ACOUSTIC LEAK**  
**DETECTION SERVICES**  
**EXHIBIT 1**

(QUALIFICATION BASED SELECTION 25-202)



City of Aurora, IL

## **2026-2028 ACOUSTIC LEAK DETECTION SERVICES**

### **25-202**

RELEASE DATE: October 6, 2025

DEADLINE FOR QUESTIONS: October 20, 2025

RESPONSE DEADLINE: October 28, 2025, 11:00 am

Please refer to the project timeline in this document for all important deadlines.

RESPONSES MUST BE SUBMITTED ELECTRONICALLY TO:

<https://procurement.opengov.com/portal/aurorail>

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A - 2026-2028 Leak Detection

## INSTRUCTIONS TO CONSULTANTS

### 1. SUMMARY

The City of Aurora is seeking a qualified firm to provide professional Leak Detection Services for its water distribution system. This program will span a three-year period from 2026 to 2028 with systematic leak detection performed annually across three designated zones each constituting approximately one-third of the total system (or 250 linear pipe miles) as well as leak detection services across smaller Public Works projects such as street repair and water main installation. The selected vendor will also provide rapid-response, on-call leak detection services 24/7, with a required two-hour turnaround time.

The goal of this project is to proactively identify and address water loss across the City’s infrastructure, which includes nearly 12,000 valves and over 9,600 fire hydrants. By leveraging advanced ultrasonic detection methods and generating timely, actionable reports, the City aims to reduce non-revenue water, improve system reliability, and support its transition to a modern asset management platform.

The City reserves the right to evaluate responses to the 2026-2028 Leak Detection Program in conjunction with responses to the Qualification Based Selection request Continuous Leak Detection and Condition Assessment of Water System Transmission Mains. The City aims to create a holistic detection and monitoring program for the distribution system and critical water main.

### 2. TIMELINE

Release Project Date:	October 6, 2025
Question Submission Deadline:	October 20, 2025, 8:00am
Question Response Deadline:	October 22, 2025, 12:00pm
Response Submission Deadline:	October 28, 2025, 11:00am

### 3. ACCEPTANCE OF PROPOSALS

a. Proposers intending to respond to this opportunity must create a FREE account with OpenGov by signing up at <https://procurement.opengov.com/signup>. This step is necessary to establish a communication link with the City. The Proposer, not the City, is responsible for obtaining any addenda to the original specification. Addenda and other relevant information will be posted on the City’s E Procurement System. Addenda notifications will be emailed to all persons on record as following this Proposal. Failure of any Proposer to receive any such addenda or interpretation shall not relieve such Proposer from any obligation under their proposal as submitted. All addenda so issued shall become part of the contract documents. **Paper submissions will not be accepted.**

b. Proposals may be received up to, but **no later than the designated date and time as specified via the City’s E Procurement System, OpenGov.** The City’s E Procurement System Clock is the official clock for the determination of all deadline dates and times. Without exception, responses will not be accepted after the submission deadline regardless of any technical difficulties such as poor internet connections. The City of Aurora strongly recommends completing your responses well ahead of time. All Proposals shall have provided all requested information, and submitted all appropriate forms, certificates, affidavits and addendum acknowledgements in order to be considered responsive.

c. The City reserves the right to reject any and all proposals or parts thereof and to waive any technicalities and irregularities in the proposals and to disregard all nonconforming or conditional proposals or counter-proposals and to hold the proposals for ninety (90) days from the opening date set forth above. Proposer agrees to accept a notice of award, if selected, based on the terms of this Proposal in the event that a notification of award is received on or before expiration of the 90-day time period. The City reserves the right to cancel the Proposal at any time, without liability for any loss, damage, cost or expense incurred or suffered by any Proposer as a result of that cancellation. Each Proposer is solely responsible for the risk and cost of preparing and submitting a Proposal.

d. Product quality, references, service, delivery time and past experience, if applicable, will also be considered. No Proposal will be considered unless the Proposer shall furnish evidence satisfactory to the City that he has the necessary facilities, abilities, experience, equipment, and financial and physical resources available to fulfill the conditions of the contract and execute the Work should the contract be awarded to him. Proposal documents which are not responsive to the requirements herein may not be considered by the City for an award of the contract.

The contract will be awarded to the highest scoring responsible Proposer. In determining the responsibility of any Proposer, the City may take into account other factors, such as past records of its or other entities transactions with the Proposer, experience, ability to work cooperatively with the City and its staff, adequacy of equipment, ability to complete performance within necessary time limits, and other pertinent considerations such as, but not limited to, reliability, reputation, competency, skill, efficiency, facilities and resources.

The Proposal will be awarded in the City's best interests based on these and other legally-allowable considerations. The City and its representatives and agents may make any investigations deemed necessary to determine the ability of the Proposer to perform the Work. The Proposer shall furnish any information and data requested by the City for this purpose.

#### **4. RECEIPT OF PROPOSALS**

a. Proposals must be submitted electronically, up to, but no later than the designated date and time as specified via the City's E Procurement System, OpenGov. It is the sole responsibility of the Proposer to see that their Proposal is received in the proper time.

b. Proposals must be submitted electronically via the City's E Procurement System. There will be no exceptions!

#### **5. WITHDRAWAL OF PROPOSALS**

Proposals may be withdrawn prior to the deadline for submitting proposals through the City's E Procurement System, the responding Proposer may "un-submit" their proposal in OpenGov. After withdrawing a previously submitted proposal, the responding Proposer may submit another proposal at any time up to the deadline for submitting proposals prior to the opening.

Proposers are cautioned to verify their proposal before submission. Negligence on the part of the Proposer in preparing the proposal confers no right for withdrawal or modification of the proposal after it has been opened. Proposers may not withdraw their Proposal after the opening without the approval of the Director of Purchasing. Requests to withdraw a Proposal must be in writing and properly signed. No Proposal will be opened or accepted, which is received after the time and date scheduled for the Proposals to be received.

## 6. QUESTIONS

Proposers shall submit all inquiries, including requests for alternates or substitutions regarding this proposal, up to, but **no later than the designated date and time as specified via the City's E Procurement System, OpenGov**. All answers to inquiries will be posted on the City's E Procurement System. Proposers may also click "Follow" on this proposal to receive an email notification when answers are posted.

**No questions will be accepted or answered verbally.**

**No questions will be accepted or answered after the cut-off date/time.**

**It is the responsibility of the interested Proposer to ensure they have received addenda, if any issued.**

## 7. INVESTIGATION

It shall be the responsibility of the Proposers to make any and all investigations necessary to become thoroughly informed of what is required and specified in the Proposal. No plea of ignorance by the Proposers of conditions that exist or may hereafter exist as a result of failure or omission on the part of the Proposer to make the necessary examinations and investigations will be accepted as a basis for varying the requirements of the City of the compensation to the Proposer.

Each Proposer submitting a Proposal is responsible for examining the complete Proposal Package and all Addenda, and is also responsible for informing itself of all conditions that might in any way affect the cost or the performance of any Work. Failure to do so will be at the sole risk of the Proposer, and no relief will be given for errors or omissions by the Proposer. If awarded the contract, the Proposer will not be allowed any extra compensation by reason of any matter or thing concerning which such Proposer should have fully informed himself, because of his failure to have so informed himself prior to the Proposal. The submission of a Proposal shall be construed as conclusive evidence that the Proposer has made such examination as is required in this section and that the Proposer is conversant with local facilities and difficulties, the requirements of the Proposal Package documents, and of pertinent, local, state and federal laws and codes, prevailing local labor and material markets, and has made due allowance in its Proposal for all contingencies. Before any award is made of the contract to the Proposer, the Proposer may be required to, upon request of the City, furnish information concerning his performance record in his capacity to complete the Work in an efficient and timely manner.

## 8. PROPOSER QUALIFICATION

The City reserves the right to require of the Proposer proof of his/her capability to perform as required by the specifications. However, prequalification of the Proposer shall not be required. The City may, at its option, disqualify a Proposer and reject his Proposal for cause. Reasons deemed to be sufficient for this action shall include, but not be limited to, the following:

- Evidence of collusion among Proposers.
- Receipt of more than one Proposal on any project from an individual, or from a corporation. This restriction does not apply to subcontractors.  Default on any previous contract.
- For unreasonable failure to complete a previous contract within the specified time or for being in arrears on an existing contract without reasonable cause for being in arrears.

- Inability to perform as revealed by an investigation of the Proposer's financial statement, experience and/or plant and equipment.
- Any Proposer who owes the City money may be disqualified at the City's discretion.
- From the issuance of this document through the execution of the award, potential vendors are prohibited from all communications regarding the solicitation with City staff, City consultants, City legal counsel, City agents or elected officials.

## **9. ALTERNATE PROPOSALS**

The specifications are prepared to describe the goods and/or service which the City deemed to be in the best interest to meet its performance requirements. Proposers desiring to submit a Proposal on items which deviate from the stated specifications, but which they believe to be equal, may do so by submitting all inquiries via the City's E Procurement System, OpenGov, but all specification deviations must be clearly stated. Proposers shall submit all inquiries, including requests for alternates or substitutions regarding this proposal via the City's E Procurement System by the designated date and time. All answers to inquiries, including requests for alternates or substitutions, will be posted on the City's E Procurement System. Proposers may also click "Follow" on this proposal to receive an email notification when answers are posted. It is the responsibility of the Proposer to check the website for answers to inquiries. The Purchasing Director reserves the right to rule upon specification deviation in a manner as best befits the needs of the City. The Purchasing Director will reject all deviations that amount to a material nonconformity with the specifications of the Proposal.

## **10. PROPOSAL AWARD**

Except as otherwise may be stated in the Specifications, Proposal award shall be made to the highest scoring Proposer meeting the requirements and/or intent of the specifications and best responding to the needs of the City, in the City's sole discretion. However, if the Proposer modifies limits, restricts or subjects his Proposal to conditions that would change the requirements of the specifications, this would be considered a conditional or qualified Proposal and will not be accepted. The City reserves the right to delete any item listed in the Proposal Package.

## **11. INTERPRETATION OR CORRECTION OF PROPOSAL DOCUMENTS**

Proposers shall promptly notify the City of any ambiguity, inconsistency or error which they may discover upon examination of the Proposal documents. Interpretations, corrections and changes will be made by addendum. Each Proposer shall ascertain prior to submitting a Proposal that all addenda have been received and acknowledged in the Proposal.

## **12. ELIGIBILITY**

By signing this Proposal, the Proposer hereby certifies that they are not barred from proposing on this Proposal as a result of a violation of Article 33E, Public Bids of the Illinois Criminal Code of 1961, as amended (Illinois Compiled Statutes, 720 ILCS 5/33E-1).

## **13. SIGNATURES**

Each Proposal must be signed by the Proposer with his/her usual signature. Proposals by partnerships must be signed with the partnership name by all members of the partnership, or an authorized representative, followed

by the signature and title of the person signing. Proposals by corporations must be signed with the name of the corporation, followed by the signature and title of the person authorized to bind it in the matter.

When a corporation submits a Proposal, its agent must present legal evidence that he has lawful authority to sign said Proposal and that the corporation has a legal existence. In the event that any corporation organized and doing business under the laws of any foreign state is the successful Proposer, such corporation must present evidence before any contract is executed that it is authorized to do business in the State of Illinois. Proposals by corporations must be executed in the corporate name by the President or a Vice President (or other corporate officer accompanied by evidence of authority to sign), and the signature must be attested by the Secretary or an Assistant Secretary, along with the corporate seal. The corporate address and state of incorporation must be shown below the signature. Proposals by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature, and the official address of the partnership must be shown below the signature. Any corrections to entries made on the Proposal forms shall be initialed by the person signing the Proposal. When requested by the City, satisfactory evidence of the authority of any signature on behalf of the Proposer shall be furnished.

#### **14. Illinois Freedom of Information Act**

**Illinois Freedom of Information Act.** The Contractor acknowledges the requirements of the Illinois Freedom of Information Act (FOIA) and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.

## GENERAL REQUIREMENTS

### 1. REQUIREMENTS OF CONSULTANT

The successful Proposer may be required to enter into a fully signed contract in writing with the City of Aurora covering matters and things as are set forth in the Proposal Package.

### 2. CITY'S AGENT

The Purchasing Director, or delegate, shall represent and act for the City in all matters pertaining to the Proposal and contract in conjunction thereto.

### 3. PAYMENTS

Payment shall be made for services rendered. The City, after inspection and acceptance, and in consideration of the faithful performance by the Proposer, agrees to pay for the completion of the work embraced in this contract, payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, et. seq.)

Time, in connection with any discount offered, will be computed from the date of delivery to the City or from the date a correct invoice is received by the City of Aurora Purchasing Division, if the latter date is later than the date of delivery.

Prices will be considered NET, if no payment discount is shown.

**All invoices MUST contain a valid City of Aurora issued purchase order.**

The successful Proposer shall submit invoices via e-mail to:

[PurchasingDL@aurora.il.us](mailto:PurchasingDL@aurora.il.us)

or Mail to the following address:

**City of Aurora  
Attn: Purchasing Division  
44 E. Downer Place  
Aurora, IL 60507**

The City of Aurora offers electronic funds transfer (EFT) payment to our vendors. EFT is fast, simple, safe and secure and is *our preferred method of payment!*

### 4. TAXES

The City of Aurora is exempt, by law, from paying State and City Retailer's Occupation Tax, State Service Occupation Tax, State Use Tax and Federal Excise Tax (per Illinois Revised Statutes, Chapter 120, Paragraph 44) upon City works and purchases. The City of Aurora's Sales Tax Exemption Number is E9996-0842-07.

### 5. COMPLIANCE WITH LAWS AND REGULATIONS

The Proposer shall at all times observe and comply with all Federal, State, Municipal and other local laws, ordinances, regulations, and requirements which in any manner affect the conduct of the Work, and with all Federal, State and local laws and policies of non-discrimination, sexual harassment, and others applicable

thereto; and all such orders or decrees as exist at the present and which may be enacted later, of bodies or tribunals having jurisdiction or authority over the Work, and no plea of misunderstanding or ignorance thereof will be considered. He shall indemnify and save harmless the City and all its officers, agents, employees and servants against any requirement, claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree, whether by himself or his employees.

## **6. DEFAULT**

Time is of the essence of this Proposal and if delivery of acceptable items or rendering of services is not completed by the time promised, the City reserves the right, without liability, in addition to its other rights and remedies, to terminate the Proposal by notice effective when received by Proposer, as to stated items not yet shipped or services not yet rendered. The City will procure articles or service from other sources and hold the Proposer responsible for any excess cost incurred as provided for in Article 2 of the Uniform Commercial Code.

## **7. CANCELLATION**

The City reserves the right to cancel the whole or any part of the contract if the Proposer fails to perform any of the provisions in the contract or fails to make delivery within the time stated. The Proposer will not be liable to perform if situations arise by reason of strikes, acts of God or public enemy, acts of the City, fires or floods.

## **8. INSURANCE AND HOLD HARMLESS PROVISIONS**

At the Proposer's expense if applicable, the Proposer shall secure and maintain in effect throughout the duration of this contract, insurance of the following kinds and limits to cover all locations of the Proposer's operations. The Proposer shall furnish Certificates of Insurance to the City before starting or within ten (10) days after the execution of the contract, whichever date is reached first. All insurance policies shall be written with insurance companies approved by the City of Aurora and licensed to do business in the State of Illinois and having a rating of not less than A IX, according to the latest edition of the A.M. Best Company; and shall include a provision preventing cancellation of the insurance policy unless thirty (30) days prior written notice is given to the City. This provision shall also be stated on each Certificate of Insurance as: "Should any of the above-described policies be canceled before the expiration date thereof, the issuing company will endeavor to mail 10 days written notice to the certificate holder named to the left".

If requested, the awardee of this Proposal will give the City a copy of the insurance policies. The policies must be delivered to the City within two weeks of the request.

The limits of liability for the insurance required shall provide coverage for not less than the following amount, or greater where required by law:

- (1) Worker's Compensation Insurance - Statutory amount.
- (2) General Liability Insurance:
  - (a) \$1,000,000 per occurrence and \$2,000,000 general aggregate
  - (b) \$500,000 per occurrence for Property Damage
  - (c) \$1,000,000 per occurrence for Personal Injury

(3) Auto Liability Insurance:

(a) Bodily injury with limits not less than \$1,000,000

(b) Property damage with limits not less than \$500,000

(4) Umbrella excess liability of \$1,000,000 per occurrence, \$2,000,000 aggregate

The Proposer shall include the City as a primary, non-contributory additional named insured on both General and Auto Liability Insurance policies and indicate said status on any Certificates of Insurance provided to the City pursuant to this project. All insurance premiums shall be paid without cost to the City.

The Proposer agrees to indemnify and save harmless the City of Aurora, their agents and employees from and against all loss and expenses (including costs and attorneys' fees) by reason of liability imposed by law or claims made upon the City of Aurora for damages because of bodily injury, including death at any time resulting therefrom sustained by any person or persons or on account of damage to property, including loss of use thereof, arising out of or in consequence of the performance of this project work, whether such claims or injuries to persons or damage to property be due to the negligence of the Proposer or his Subcontractors. The Proposer shall assume total risk and shall be responsible for any and all damages or losses caused by or in any way resulting from the work and provide

## **9. SUBLETTING OR ASSIGNMENT OF WORK**

If the Proposer sublets the whole or any part of the Work to be done under the contract, with or without the written consent of the City, he shall not, under any circumstances, be relieved of his liabilities and obligations. All transactions of the City shall be with the Proposer; subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. In case any party or parties, to whom any work under the contract shall have been sublet, shall disregard the directions of the City or his duly authorized representatives, or shall furnish any unsatisfactory Work or shall fail or refuse in any way to conform to any of the provisions or conditions of the contract, then in that case, upon the written order of the City, the Proposer shall require said party or parties in default to discontinue Work under the contract. Said Work shall be corrected or made good and shall be continued and completed by the said Proposer or by such other party or parties as are approved by the City, in the manner and subject to all of the requirements specified in the contract.

## **10. WORKERS COMPENSATION ACT**

The Proposer further agrees to insure his employees and their beneficiaries and to the employees and the beneficiaries of any subcontractor employed from time to time by him on said Work, the necessary first-aid, medical, surgical, and hospital services and any compensation provided for in the Workers Compensation Act of the State of Illinois that is or may be in force in the State.

Such insurance shall be placed by said Proposer in a company or association (to be approved by the City and to be accepted by the Council thereof) authorized under the laws of the State of Illinois to insure the liability above specified.

Said Proposer hereby further agrees to indemnify, keep and save harmless said City from all action, proceedings, claims, judgments, awards, and costs, loss, damages, expenses, and attorney's fees which may in any way come against said City by reason of any accidental injuries or death suffered by any of his employees

or the employees of any subcontractor employed by him in and about the performance of the Work provided for in the Proposal, and any and all liability resulting thereupon; and said Proposer, in case of any suit, action, or proceeding on account of any or all of the foregoing shall defend the same for and on behalf of said City and indemnify the City therefore, and pay the amount of any and all awards and final judgments and orders rendered and entered therein, together with all loss, costs, damages, attorney's fees, and expenses incurred therein. Said Proposer shall be the sole employer of its employees and workers, and in no way so shall the City be considered a joint employer of same under any circumstance.

### **11. MINORITY PARTICIPATION**

The City of Aurora encourages minority business firms to submit proposals and encourages the successful Proposer to utilize minority businesses as sub-contractors for supplies, equipment, services and construction.

### **12. PROSECUTION OF WORK**

The Proposer shall begin the Work to be performed under the Proposal as specified in the specifications after the execution and acceptance of the Proposal, unless otherwise provided. The Work shall be conducted in such a manner and with sufficient materials, equipment and labor as is considered necessary to ensure its completion within the time specified in the Proposal.

### **13. TIME**

Proposer shall schedule its Work to meet the requirement of the City. Proposer shall perform the Work expeditiously in cooperation with the City's agent, employees, contractors and subcontractors. Proposer shall make no claim against the City and no claim shall be allowed for any damages which may arise out of any delay caused by City, its agents, employees, contractor or subcontractors. Proposer's sole remedy for delay shall be an extension in the contract time.

## SOQ REQUIREMENTS

All SOQ submittals must be thorough, complete, and accurate. The submittal shall be a single .pdf document, no more than 10 pages. This limit includes any cover letter, tabs, section breaks, cover pages, back pages, etc. Section breaks, cover pages, back pages, etc. are not required. The submittal should include the following information:

1. Cover letter on the consultant's letterhead transmitting the qualifications, including the name of the consulting firm, local address, telephone number and name of contact person (with email address). The cover letter should also include the City's bid number ( Project ID).
2. List of relevant projects recently completed which were similar in nature to this project. Provide a description of each project, including location, project team, and construction cost for each project.
3. List of key staff with brief resumes that would be assigned to the project. No subcontractors are allowed for this project.
4. Brief technical approach describing the consultant's abilities to perform the required services.
5. Schedule of anticipated start dates and completion dates for major tasks listed in the scope of services.
6. List of three (3) references including name, job title, telephone number, and email address. The references should not be current City of Aurora employees and preferably, should have experience working for a local agency on similar projects.

The City of Aurora reserves the right at any time and for any reason to cancel this consultant procurement process, to reject any or all SOQ's, or to accept an alternative SOQ. The City of Aurora reserves the right to discard any immaterial SOQ. The City and/or staff may seek clarification from a submittal at any time and respond promptly if there is cause for rejection. The City of Aurora will not be liable in any way for any costs incurred by consultants in replying to this request.

## **SCOPE OF SERVICES**

### **1. Acoustic Leak Detection**

To reduce water loss, the City's water distribution system will be evaluated for leaks over a three year period, with approximately one-third of the system evaluated each year (around 250 linear pipe miles). Ultrasonic leak detection shall be performed on every fire hydrant, fire hydrant auxiliary valve and mainline valve. Accessible curb stops may be used as needed depending on pipe material or to pinpoint leaks. Located leaks shall be clearly identified in the field on both mains and services.

Additionally, the City also anticipates the vendor conducting leak detection services on water assets outside of each year's planned area in accordance with other City Capital Infrastructure Programs, such as the Street Overlay and Water Main Replacement programs. These programs may add upwards of 20-25 miles to each year's total detection length.

The City's distribution system's material composition includes copper, ductile iron, PVC, and PCCP. The City aims to leak detect each of these materials. If there are limitations detecting leaks on non-metallic pipe, please note on your proposal.

The attached map highlights the expected order of leak detection per year within the City. This order may change based on operational needs after vendor selection but before service deployment.

### **2. On-Call Services**

The on-call leak detection services shall require a 2-hour response time over the full length of the contract year on a 24 hours per day, 7 days a week basis. The City budgets approximately 80 on-call leak detection service requests per year. However, this is just a budgetary estimate and the amount of on-call leak detection service requests will vary based on actual needs.

### **3. Reporting**

A field report shall be generated for each pinpointed leak that includes a means to locate the leak and estimated water loss. Located leak reports shall be brought to the attention of the City within 2 days of discovery. If any incorrect GIS information is identified, the asset and location shall be brought to the attention of the City.

Additionally, the City is transitioning to an asset management and work order system. Therefore, the vendor shall supply the City with either a monthly or quarterly report detailing all assets evaluated within the project area that includes approximate date evaluated.

### **4. Traffic Control & City Provided Services**

The City of Aurora may provide arrow boards and/or flaggers on an as-needed basis. The vendor shall provide any other traffic control needed in compliance with IDOT and MUTCD standards.

Additionally, the City will ensure that all valves (in vaults and boxes) and b-boxes are exposed prior to the vendor commencing activities in the area, and will clear up any other obstructions in a timely manner.

## SELECTION CRITERIA

### 1. Phase 1

No.	Evaluation Criteria	Scoring Method	Weight (Points)
1.	<p><b>Consultant Experience</b></p> <p>The consultant’s general experience, stability, and experience on projects similar to the one under consideration. Experience with federally funded projects is required.</p>	N/A	N/A
2.	<p><b>Staff Capabilities</b></p> <p>The education, experience, and expertise of the consultant’s key employees.</p>	N/A	N/A
3.	<p><b>Technical Approach</b></p> <p>Project understanding and the consultant’s approach to perform Phase III Construction Engineering services and related items that are required for successful project completion.</p>	N/A	N/A
4.	<p><b>Adherence to RFQ</b></p> <p>Quality of the entity’s submittal including, but not limited to, spelling, providing all the information requested, and providing correct/accurate information.</p>	N/A	N/A

### 2. Phase 2

No.	Evaluation Criteria	Scoring Method	Weight (Points)
1.	<p><b>Firm &amp; Staff Experience</b></p> <p>Vendor's experience with acoustical leak detection, providing field results/reports, and managing on-call coordination. The experience and expertise of the entity’s key employees and their perceived ability to meet the deliverables as outlined. Experience with similar-sized cities is preferred, as well as experience with electronic data collection and submittal.</p>	Points Based	40 <i>(40% of Total)</i>
2.	<p><b>Schedule and Availability</b></p> <p>Availability of vendor staff to perform the requested duties. Please detail how the City will request on-call services and your firm's ability to meet the two-hour response time. The ability of the firm to meet the emergency response window is a high priority.</p>	Points Based	50 <i>(50% of Total)</i>

3.	<b>Adherence to RFQ</b>  Quality of the entity’s submittal including, but not limited to, spelling, providing all the information requested, and providing correct/accurate information.	Points Based	10 <i>(10% of Total)</i>
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**3. Phase 3**

No.	Evaluation Criteria	Scoring Method	Weight (Points)
1.	<b>Pricing</b>  The City will review each firm's unit pricing for standard leak detection services, on-call services, mobilization (if applicable), and any lump sum costs.	N/A	N/A

## VENDOR SUBMISSIONS

### 1. SOQ Submittal\*

See Section- SOQ Requirements and Selection Criteria

\*Response required

### 2. Proposer's Certification\*

I/We hereby certify that:

A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.

B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.

C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all equal employment practice requirements contained in Public Act 87-1257 (effective July 1, 1993) and 775 ILCS 5/2-105 (A).

D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.

E. The Proposer is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.

F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

Please confirm

\*Response required

### 3. Proposer's Tax Certification\*

The Proposer's Executing Officer, being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Proposer, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Proposer deposes, states and certifies that Proposer is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Proposer is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

Please confirm

\*Response required

### 4. Standard City of Aurora Contract\*

Please download the below documents, complete, and upload.

Qualification Based Selection #25-202  
Title: 2026-2028 Acoustic Leak Detection Services

- [Sample Standard Contract QB...](#)

\*Response required

**CITY OF AURORA  
2026-2028 ACOUSTIC LEAK  
DETECTION SERVICES**

EXHIBIT 2

(VENDOR SUBMISSION 25-202)



## [M.E. SIMPSON COMPANY, INC.] RESPONSE DOCUMENT REPORT

QBS No. 25-202

[2026-2028 Acoustic Leak Detection Services](#)

RESPONSE DEADLINE: October 28, 2025 at 11:00 am

Report Generated: Friday, December 19, 2025

### M.E. Simpson Company, Inc. Response

#### CONTACT INFORMATION

**Company:**

M.E. Simpson Company, Inc.

**Email:**

adrienne@mesimpson.com

**Contact:**

Adrienne Dow

**Address:**

3406 Enterprise Ave  
Valparaiso, IN 46383

**Phone:**

N/A

**Website:**

[www.mesimpson.com](http://www.mesimpson.com)

**Submission Date:**

Oct 28, 2025 9:33 AM (Central Time)

## ADDENDA CONFIRMATION

*No addenda issued*

## QUESTIONNAIRE

### 1. SOQ Submittal\*

*Pass*

See Section- SOQ Requirements and Selection Criteria

2026\_-\_2028\_Aurora\_SOQ\_Leak\_Detection\_Survey\_Final\_Proposal.pdf

### 2. Proposer's Certification\*

*Pass*

I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all equal employment practice requirements contained in Public Act 87-1257 (effective July 1, 1993) and 775 ILCS 5/2-105 (A).
- D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- E. The Proposer is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.

F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

Confirmed

### **3. Proposer's Tax Certification\***

*Pass*

The Proposer's Executing Officer, being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Proposer, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Proposer deposes, states and certifies that Proposer is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Proposer is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

Confirmed

### **4. Standard City of Aurora Contract\***

*Pass*

Please download the below documents, complete, and upload.

- [Sample Standard Contract QB...](#)

fcf68731-b1a5-463b-8e9a-6a5c53df03f1\_Sample\_Standard\_Contract\_QBS.pdf



October 27, 2025

City of Aurora  
Purchasing Division  
44 E. Downer Place  
Aurora, IL 60507

**RE: PROPOSAL FOR ACOUSTIC LEAK DETECTION SERVICES (RFQ #25-202)**

To whom it may concern,

M.E. Simpson Co., Inc. is delighted to present the City of Aurora our proposal for 2026-2028 Acoustic Leak Detection Services. We feel privileged to be considered for this vital project and are confident that our expertise and commitment will help achieve outstanding results.

As a trusted provider of professional services, we specialize in optimizing the performance of water distribution systems through programs and solutions recognized worldwide as Best Management Practices (BMPs). By combining cutting-edge technology, industry-leading methodologies, and a team of highly trained professionals, we are well-equipped to support the success of your project. Our dedicated engineers and technical experts are prepared to seamlessly integrate into your operations, reducing the burden on your staff while delivering exceptional outcomes.

Our services are designed to address the specific challenges utilities face today. Whether providing comprehensive turn-key solutions or empowering in-house teams, our mission is unwavering: to enhance public trust by safeguarding the quality and reliability of drinking water.

Thank you for considering M.E. Simpson Co., Inc. for this important initiative. We look forward to the opportunity to partner with the City of Aurora and deliver results that exceed expectations.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Nepras", with a stylized flourish at the end.

Joe Nepras  
Regional Manager

**Joe Nepras**  
Regional Manager

3406 Enterprise Avenue  
Valparaiso, IN 46383

800.255.1521 P  
888.531.2444 F

[joen@mesimpson.com](mailto:joen@mesimpson.com)

## RELEVANT LEAK SURVEY PROJECTS

### [City of Joliet, Illinois \(2008 – Current\)](#)

M.E. Simpson Co., Inc. has been performing water loss assessments for the City of Joliet since 2008, including leak detection surveys and “on call” emergency leak detection services as a way to reduce water loss in the distribution system. The program for 2024 surveyed approximately 700 miles of water main and located 171 leaks. These leaks were estimated to be costing the utility in excess of **\$508.03** per day or **\$185,431.68** annually. The survey paid for itself in water loss recovery in 13 months based on the Variable Cost (production cost) of water. This project cost a total of \$189,000.00 and was completed in 109 days. The project team consisted of: Terrence Williams (Project Manager); Chris Hughley (Assistant Project Manager); Jerry Reiling and Santino Martinez (Project Leaders); Aaron Horbovezt, PE, PMP and John H. Van Arsdel (QA/QC).

### [Village of Downers Grove, IL \(2011 – Current\)](#)

M.E. Simpson Co., Inc. conducts a Leak Survey on approximately 233 miles per year as a way for the Village to reduce water losses occurring in the distribution system. The completed Leak Survey Program in 2023 resulted in the location of 13 leaks totaling 364,320 gallons of water per day. The leaks were estimated to be costing the utility in excess of \$449,782.20 annually using the cost of water sold per 1,000 gallons. The survey paid for itself within three months. This project cost a total of \$39,600.00 and was completed in 49 days. The project team consisted of: Adam Zagorac and Sandison Petretta (Project Managers); Alfred Kaptcia, Mekhai Woolfork, and Richard Peter (Project Leaders); Aaron Horbovezt, PE, PMP and John H. Van Arsdel (QA/QC).

### [Village of Shorewood, IL \(2014 – Current\)](#)

M.E. Simpson Co., Inc. conducted its most recent Leak Survey in Shorewood on approximately 99 miles in 2025 as a way for the Village to reduce water losses occurring in the distribution system. This Leak Survey Program resulted in the location of 33 leaks totaling 79,200 gallons of water per day. Using a sale price of \$4.22 per thousand gallons these leaks were estimated to be costing the utility in excess of **\$334.22** per day or **\$121,991.76** annually. The 2025 leak survey paid for itself within 3 months. This project cost a total of \$27,030.00 and was completed in 25 days. The project team consisted of: Terrence Williams (Project Manager); Chris Hughley (Assistant Project Manager); Gabriel Estrada (Project Leaders); Aaron Horbovezt, PE, PMP and John H. Van Arsdel (QA/QC).

### [City of Batavia, IL \(2020 – Current\)](#)

M.E. Simpson Co., Inc. conducts a Leak Survey on approximately 174 miles of water main per year as a way for the City to reduce water losses occurring in the distribution system. The completed Leak Survey Program in 2024 resulted in the location of 29 leaks totaling 27,652 gallons of water per day. The leaks were estimated to be costing the utility in excess of **\$71,744.40** annually using the cost of water sold per 1,000 gallons. This project cost a total of \$42,260.00 and was completed in 25 days. The project team consisted of: Aaron Horbovezt, PE, PMP and Adam Zagorac (Project Managers); Alfred Kaptcia and Sean Kirk (Project Leaders); Aaron Horbovezt, PE, PMP and John H. Van Arsdel (QA/QC).

## EXPERIENCE OF KEY PERSONNEL

Our team brings the necessary experience for a project of this magnitude, as well as the personal attributes needed to serve the City of Aurora with distinction. We offer our clients the highest quality technical and professional services, using state-of-the-art technologies and highly skilled and trained professionals. The M.E. Simpson Co., Inc. team members selected to serve the City of Aurora bring significant experience and a proven track record of delivering timely, cost-effective and sound leak survey solutions.

They share a passionate commitment to client service and attention to detail required for a successful project. The Organizational Chart at right illustrates the Project Team for the Utility’s Water Distribution System Leak Survey program. One of the two Project Leaders listed will lead the Project Team in the field. **Two-Man Project Teams will be used at all times during the course of the project for reasons of safety and quality assurance.**

### **Project Manager:** [Terrence Williams](#)

Terrence Williams has been with M.E. Simpson Company since September 2014. Terrence previously worked in retail management. Terrence is a graduate of Purdue University with a Bachelor of Science in Accounting. Terrence also completed his MBA at Keller Graduate School of Management.

Terrence is currently involved in the preparation of client reports, data quality control, and drafting new paperless database programs. He also has experience in valve location, exercising and mapping, and the use of the state-of-the-art leak detection equipment. Terrence also has experience in fire hydrant and main capacity flow testing, and the operation of our Polcon® Flow Testing equipment.

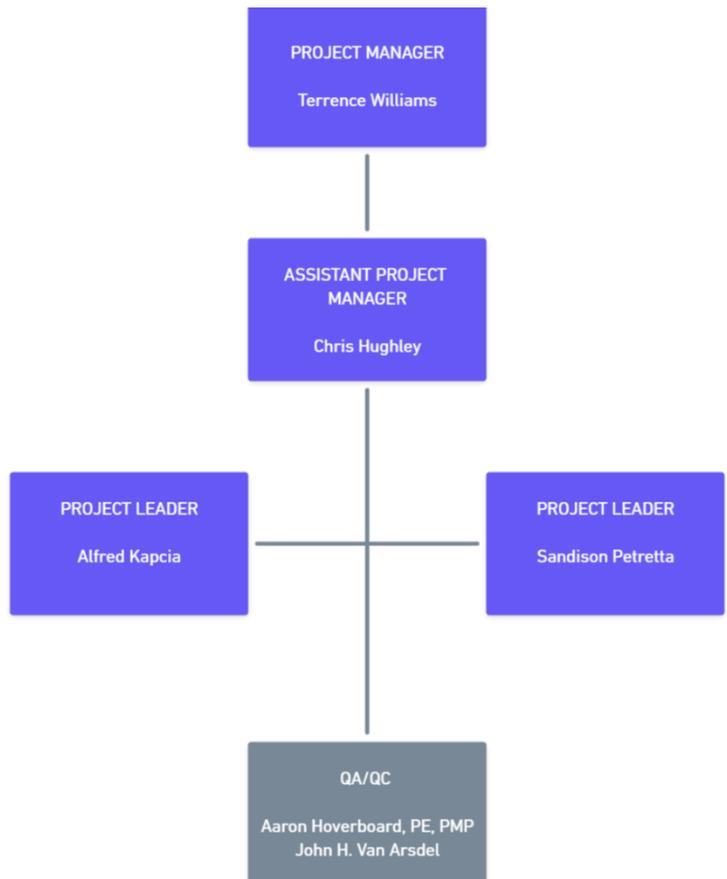
### **Professional Certifications:**

- ◆ 30-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

### **Assistant Project Manager:** [Christopher Hughley](#)

Chris Hughley has been with the Company since November 2006. He previously worked in the retail industry before becoming a project leader with M.E. Simpson Company. Chris has traveled all over the country and world completing various projects including jobs in California, New Jersey, Minnesota, Arizona, Georgia and Turkey.

Chris has attended numerous classes and lectures on the operation and maintenance of water meters. He has experience in the maintenance and installation of water meters; in valve location, exercising and mapping; and in the use of state-of-the-art leak detection equipment. Chris is



experienced in water meter, fire hydrant and water main capacity flow testing, and the operation of our Polcon® Flow Testing equipment

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**Project Leader: Alfred Kapcia**

Alfred Kapcia has been with the Company since September of 2015. Prior to working for M.E. Simpson Company, Inc., Alfred was a student at Indiana University Northwest. Alfred has attended numerous classes and lectures related to the operation, maintenance, and installation of water meters, and completed classes in plumbing. Alfred has experience in the maintenance and installation of water meters; valve location, exercising and mapping; fire hydrant and main capacity flow testing; and the use of state-of-the-art leak detection equipment. He is also experienced in the use of all of our Polcon® Flow Testing equipment.

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**Project Leader: Sandison Petretta**

Sandison Petretta has been with the Company since July of 2000. He previously worked in the commercial painting industry. Sandison has attended numerous classes and lectures related to the operation, maintenance, and installation of water meters, and completed classes in plumbing. Sandison has experience in the following; maintenance and installation of water meters; valve location, exercising and mapping; fire hydrant and main capacity flow testing; and the use of state-of-the-art leak detection equipment. He is also experienced in the use of all of our Polcon® Flow Testing equipment.

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**QA/QC: Aaron M. Horbovetz, PE, PMP**

Aaron Horbovetz has been with the Company since September of 1999. In 2006. He earned his degree in Mechanical Engineering from Purdue University, and is a licensed Professional Engineer in the State of Indiana, since 2016. Aaron is also a certified Project Management Professional (PMP®), since 2013. He is a regular presenter at AWWA conferences, since 2012. Aaron is responsible for the Engineering Division of M.E. Simpson Co., Inc., overseeing many of the more complex programs associated with hydraulic studies and Master Metering services.

Aaron has attended numerous classes and lectures related to the operation, maintenance and installation of water meters, and completed classes in plumbing. He has experience in the maintenance and installation of water meters, valve location, exercising and mapping, fire hydrant and main capacity flow testing, and the use of state-of-the-art leak detection equipment. Aaron also manages the company’s hydraulics services division, including all Pitot testing, pump curve analysis, and C-Factor testing.

**Professional Certifications:**

- ◆ Licensed Professional Engineer, Indiana
- ◆ Certified Project Management Professional (PMP)
  - Member of Project Management’s Institute Calumet Chapter
- ◆ 10 Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive traffic control training
- ◆ Extensive confined space training

**QA/QC: [John H. Van Arsdel](#)**

John H. Van Arsdel has been with M.E. Simpson Co., Inc. since May 1989. He graduated from Valparaiso University with a B.A. in Geography with an emphasis in Locational Evaluation and Research Design. Additional classes include water operator’s classes and seminars on Water Filtration and Distribution, Vulnerability Assessment Class for the Sandia Labs RAM-W method and the RAM-W “modified” for small to medium systems, along with classes on the operation and maintenance of water meters, and system hydraulics related to the Polcon® Flow Testing equipment.

John has over 36 years of experience directing projects for water utilities including water audits, loss prevention, leak detection programs, meter evaluation and maintenance, flow testing using the Polcon® Flow Testing method (large flow meter assessments, C-factors, pump curves, zone flow measurements), mainline valve assessments (location, exercising and mapping programs), and fire hydrant and main capacity flow testing programs. He has presented numerous classes for continuing education credits for water operators for over 24 years to several local and state water works organizations on Water Loss Reduction including Water Audits, Leak Detection, Meter Testing and Flow Testing. He served from 2010 to 2014 as Chair of the AWWA Water Loss Control Committee. John is a Certified Water Audit Level 1 Validator for California and Indiana.

**Professional Certifications:**

- ◆ 30 Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Certified Water Audit Validator

## TECHNICAL APPROACH

### Leak Detection Methods and Procedures

MESCO Leak Detection Teams are made up of experienced water professionals with expertise in conducting leak surveys and leak pinpointing. They are trained to follow specific procedures, utilizing state-of-the-art technology and equipment, field experience and engineering knowledge.

Pinpointing leaks requires more than just running a correlator. To maximize location accuracy and minimize error, a precise methodology must be employed. MESCO Teams will investigate, measure, and gather all the necessary information, which includes but is not limited to the following:

- ◆ Pipe Size and Material
- ◆ Layout of water piping infrastructure, including service lines, hydrant legs, and any other connections to the pipe in the suspected leak area, verified via Line-Location Technology
- ◆ History of leakage in suspected area
- ◆ Measurement of pipe segments for accurate correlation
- ◆ Identify which listening points are the “loudest” to narrow down and focus in on the suspected leak area
- ◆ Identification and impact of other possible noise sources (i.e. pumps, electrical interference, traffic, etc.)
- ◆ Determine if there any partially or fully closed valves, which may result in reduced pressure on the pipe, or even cause noise as water flows through these “restrictions”
- ◆ Inspect storm and sewer structures for leakage inflow, as necessary

Once the appropriate information has been gathered, MESCO Leak Teams will methodically narrow down the suspected leak area, until the leak has been pinpointed using a correlator, or other appropriate means.

**Verification of suspected Leak Locations is of the utmost importance!**

Our team will utilize the following QA/QC methods to ensure that the leak location is as accurate as possible:

- ◆ **Enhanced Confidence through Multiple Correlations:** Verification of the leak location involves correlating its position from multiple correlations conducted at different listening points, significantly boosting confidence and minimizing the potential for errors.
- ◆ **Investigating Nearby Connections:** Any connections within 10% of the total correlation length from the suspected leak area will be thoroughly investigated to ensure that the leak is indeed on the pipe being examined and not originating from an adjacent connection.
- ◆ **Verification of Service Leaks:** Leaks discovered on service lines can be verified by temporarily shutting off the service. *This is only done with the permission of the utility, and coordination with the property owner.*
- ◆ **Verification of Hydrant Leaks:** In cases where hydrant leaks are suspected due to incomplete closure, they can be verified by closing the hydrant’s auxiliary valve to observe if the leak noise dissipates. *Any attempt to close the hydrant and stop the leakage by tightening the operating nut is done only with the permission of the utility.*
- ◆ **Utilizing Ground Microphone:** Depending on the specific situation and local conditions, the use of a ground microphone may also serve as a verification method.

## Leakage Estimation

- ◆ **Leakage Estimation for Suspected Leaks:** M.E. Simpson Company, Inc. strictly adheres to the policy of applying conservative leakage estimations to suspected leaks. These estimations draw upon over thirty years of extensive experience and take into consideration various factors, including the audio frequency of the leak, its audio volume, pipe material and size, soil type and condition, and the distances over which the leak noise propagates to different listening points.
- ◆ **Estimation Challenges for Subsurface and Non-Visible Leaks:** When dealing with suspected leaks that have not surfaced or are not visible, precise leakage estimation becomes inherently challenging. Even when a leak has “surfaced” or is visibly discharging into a storm or sewer structure, there is no guarantee that what is visible accounts for the entirety of the leakage flow. Estimations in such cases rely on situational particulars, expert judgement, and past experiences.

- ◆ **Accurate Estimations After Excavation:** Following the excavation of a leak and gaining a comprehensive understanding of the defect’s full extent, it becomes possible to make more accurate, albeit limited, estimations of the flow rate. These estimations are based on the measured geometry of the defect and the operating pressure. However, certain types of defects, like full-circumference breaks, lateral splits, and profound and extensive complete failures, pose challenges for accurately quantifying their leakage effects. Even with detailed information, it is often impossible to determine how long the leak has been present or the total volume that has escaped during its existence.
- ◆ **Hydrant Leakage Estimations:** Hydrant leakage estimations encounter similar complexities, especially when the hydrant valve has not completely closed or the valve seat is obstructed. These types of “leaks” remain hidden, as water typically escapes the hydrant barrel through drainage posts and cannot be readily quantified. In such situations, modest and reasonable estimates are typically assigned.

## Quality Control and Accuracy of Leak Locations

The level of accuracy in leak detection is contingent on a thorough consideration of all the factors mentioned above, and the application of these considerations to each potential leak location as it undergoes evaluation. Any statement regarding the accuracy of leak locations must be understood in the context of the specific conditions surrounding each leak.

Detecting and pinpointing leaks within a distribution system is inherently challenging—it is not a perfect science. Pipes and fittings may develop leaks for a variety of reasons, including factors such as age, poor installation, material deficiencies, or adverse soil conditions. By adhering to a strict methodology in the field during the leak survey, these variables can be accounted for and mitigated. The depth of experience possessed by the Project Team is pivotal in maintaining the ability to achieve accurate leak locations. Furthermore, field crews work in Two-Person Teams, providing an additional layer of oversight and quality control as the survey progresses.

## Final Reports, Documentations & Communications

***M.E. Simpson Co, Inc. will perform the following:***

- ◆ Project Team will **meet daily** with assigned Utility personnel to go over areas of survey for prior workday and plan current day and area to survey.
- ◆ The field technicians will be readily available by phone. This will facilitate communications between the Utility and the field technicians. A **24-hour toll-free 800 number** is available for direct contact with M.E. Simpson Co., Inc. for emergencies.
- ◆ **Diagram all leak locations**, date of location, and classify according to severity and an estimate of loss.
- ◆ **The Project Manager will** meet with the Utility regularly for a progress report.
- ◆ **Prepare a progress report** at monthly intervals for the Utility if requested.
- ◆ Develop a **Leak Survey log** of activity which will also have confirmed leaks listed and this list will be turned in weekly (in the Utility preferred format). The list will also be included with the final report that will include the following:
  1. Mechanical deficiencies discovered
  2. Mapping errors on the water atlas
  3. Type of monitored appurtenances
  4. Location of same for leaks discovered
  5. Total estimated loss
- ◆ Provide a paper map with numbered location IDs and ArcGIS files showing a point location for each leak. The ArcGIS shapefile/geodatabase shall include the following attribute fields:
  1. Location per sub-meter GPS

2. Date of leak test
3. Estimated severity in GPM
4. Notes (as applicable)

- ◆ **Prepare the final report** at the completion of the project which will include all leak location reports with drawings, total of estimated water loss, total pipe distance investigated, a description of the area surveyed, and other problems found in the system during the course of the survey that need the attention of the Water Utility. The leak summary will list leak types such as main leaks, service line leaks, valve leaks, or hydrant leaks. A cost benefit analysis of the survey based on the “cost to produce” water will also be included that describes the financial impact to the Utility for water loss. Recommendations for system maintenance will be a part of this report based on field observations made during the survey. **This final report shall be made available for submission to the Utility within thirty (30) working days of the completion of the fieldwork.**

## SCHEDULE OF WORK

**Kick Off Meeting and Commencement of work:** Within 30 days of “Notice to Proceed” or as agreed upon between the Utility and M.E. Simpson to meet with Utility staff to go over project goals and objectives. Field work will begin the same day or agreed upon by the Utility and M.E. Simpson Co., Inc.

**Fieldwork to be completed and documented:** Field work will be started as agreed upon by the Utility and M.E. Simpson Co., Inc. Assume one field team (2 persons each), between **36-42 days** in the field for completion of field work for the water distribution system leak survey. Additional leak survey work beyond the approximate **250 miles** of water main will be based on a per mile fee and may cause a shift in the completion date. An estimation for each section of the 2026-2028 program is listed below:

<u>Section 5 &amp; 6 - 2026</u>	<u>Section Airport - 2026</u>	<u>Section 1 &amp; 2 - 2027</u>	<u>Section 3 &amp; 4 - 2028</u>
PVC: 5 days	1 day	PVC: 6 days	PVC: 6 days
Other: 31 days*		Other: 32 days*	Other: 33 days*
Go-backs, Correlation: 2 days		Go-backs, Correlation: 2 days	Go-backs, Correlation: 2 days

**Daily Work Hours:** Normal “on site” daily work hours will be 7:00 AM to 4:30 PM. Any work that needs to be performed outside the normal work hours will be discussed with the Utility at least 24 hours in advance.

**Daily Reporting:** The Field staff will meet with assigned Utility staff daily or as needed and determined by the assigned Utility Manager. Leaks located that need immediate attention will be documented and submitted immediately for the Utility’s attention. Minor leaks will be reported daily for scheduling of repair. Appurtenances that need moderate to severe repair to listen to the water main will be turned in to assigned Utility Manager daily or as agreed upon by, prioritized by severity.

**Periodic Reports:** Weekly summary reports will be available 5 workdays after field work has been validated for the program for each week, for the Leak Detection work. These reports will have all the leak survey information compiled during the project for the week.

**Final Reports:** Final summary reports will be available 30 workdays after field work has been completed for the program. These reports will have all the leak data compiled during the project.

## REFERENCES

Ms. Allison Swisher, P.E.  
Director of Public Utilities  
City of Joliet  
921 East Washington Street, Joliet, Illinois 60433  
815.724.4230  
[aswisher@jolietcity.org](mailto:aswisher@jolietcity.org)

Mr. David Moody  
Director of Public Utilities  
Village of Downers Grove  
5101 Walnut Avenue, Downers Grove, IL 60515-4074  
630-434-5462  
[dmoody@downers.us](mailto:dmoody@downers.us)

Mr. Noriel Noriega  
Superintendent of Public Works  
Village of Shorewood  
1 Towne Center Boulevard, Shorewood, Illinois 60404  
815.725.2150  
[nnoriega@vil.shorewood.il.us](mailto:nnoriega@vil.shorewood.il.us)

## OPTIONAL SERVICES

### [Electro Scan Delta Focused Electrode Leak Location \(FELL\) Inspection](#)

M.E. Simpson Co., Inc. is pleased to offer advanced **Electro Scan Delta Focused Electrode Leak Location (FELL) technology**—an industry-leading solution for quantifying and locating defects in pressurized water mains. Unlike traditional acoustic methods that rely on subjective interpretation and favorable environmental conditions, the Electro Scan Delta probe delivers accurate, repeatable, and unbiased condition assessments based on measured electrical current passing through pipe wall defects.

Electro Scan’s patented technology overcomes the limitations of traditional leak detection methods. Most inspection tools—such as CCTV or acoustic leak detection—cannot see behind walls, struggle under wet-weather conditions, or require favorable acoustics. In contrast, Electro Scan simulates fully pressurized and saturated conditions and measures actual defect flows using a scientific approach guided in electrical current behavior.

The Dela probe is pulled through the water main using a tether, releasing a focused, low-voltage, high-frequency electrical current (only 10 volts and 40 milliamps, about the equivalent of six AA batteries). As the probe moves through the pipe, it measures current flow through defects in the pipe wall and into the surrounding soil, picked up by a surface electrode. The process enables the system to locate and quantify pipe wall leaks with remarkable sensitivity, especially in non-conductive pipe materials such as PVC, PCCP, HDPE, concrete, etc.

## Aganova Nautilus Pipeline Condition Assessment

M.E. Simpson Co., Inc. also offers large diameter pipeline condition assessment via Aganova’s Nautilus system. This state-of-the-art solution leverages cutting-edge sensors and AI-drive analysis to provide real-time, precise assessments of pipe integrity and water leakage. Designed to operate seamlessly within municipal and industrial water systems, the Nautilus offers advanced pipe inspection solutions that ensure minimal disruption, maximum efficiency, and unmatched accuracy.

With its advanced sensors and AI-powered analysis, the Nautilus system provides precise leak position pinpointing with an accuracy of  $\pm 1$  meter. Not only does Nautilus detect leaks, but it also measures their severity and the associated flowrate, providing a comprehensive picture of the issue to help prioritize repair. The Nautilus is designed to move through pipes without interrupting service, and can operate at velocities as low as 0.66 ft/s and pressure as low as 14 psi. This feature makes it versatile for use in a variety of water systems, and it is an additional benefit of its neutral buoyancy.

Nautilus integrates advanced sensor technology and benefits from the AI-powered analysis on Nemo to deliver exceptional accuracy in leak detection and anomaly identification. With Nautilus, you receive real-time tracking of the inspection process. This provides up-to-the-minute data, ensuring you are always informed about the Nautilus during the inspection.

## Remote Leak Detection Monitoring with EchoShore®

M.E. Simpson Co., Inc. is pleased to offer two Remote Leak Detection Monitoring Solutions from Mueller Systems. These technologies enable utilities to remotely detect and monitor leaks on their distribution and transmission mains. The EchoShore®-DX technology is designed to remotely detect and pinpoint leaks on distribution mains. The EchoShore®-DX technology integrates acoustic-based leak detection technology from Echologics, a developer and provider of acoustic-based technologies for water loss management, leak detection and pipe condition assessment, with the EchoShore®-DX system – Mueller infrastructure network– Mueller Systems’s fixed, two-way AMI network for utilities.

The EchoShore-TX Large Diameter Leak Monitoring System is a leak monitoring system that pairs best in class hardware with artificial intelligence, analytics, and expert support to identify emerging leaks in transmission water pipe networks. The system uses sensitive hydrophone acoustic sensors connected to the pipe network that are tuned to the frequency that leaks propagate on transmission mains. Acoustic signals are sent through the cellular network to secure cloud servers for analysis. Leak alerts are delivered to users through a secure, user friendly web user interface for repair and maintenance.

*If you are interested in learning more about these alternative technology solutions, please feel free to reach out to us.*

## CITY OF AURORA AGREEMENT

**THIS AGREEMENT**, entered on this \_\_\_\_\_ (“Effective Date”), for the (Services”) is entered into between the **CITY OF AURORA** (“City”), a municipal corporation, located at 44 E. Downer Place, Aurora, Illinois and M.E. Simpson Co., Inc. (“Proposer”), located at .

**WHEREAS**, the City issued a Qualification Based Selection (“QBS”) on 10/6/25 for the 2026-2028 acoustic and leak detection services

**WHEREAS**, the Proposer submitted a Proposal in response to the QBS and represents that it is ready, willing and able to perform the Services specified in the QBS and herein as well as any additional services agreed to and described in the Agreement; and

**WHEREAS**, on \_\_\_\_\_, the City awarded a contract to Proposer, \_\_\_\_\_.

**IN CONSIDERATION** of the mutual promises and covenants herein contained, the parties hereto do mutually agree to the following:

### **1. Agreement Documents.**

The Agreement shall be deemed to include this document, Proposer’s response to the QBS, to the extent it is consistent with the terms of the QBS, any other documents as agreed upon by the parties throughout the term of this Agreement, along with any exhibits, all of which are incorporated herein and made a part of this Agreement. In the event of a conflict between this Agreement and any exhibit, the provisions of this Agreement shall control.

Qualification Based Selection \_\_\_\_\_.

In connection with the QBS and this Agreement, Proposer acknowledges that it has furnished and will continue to furnish various certifications, affidavits and other information and reports, which are incorporated herein. Proposer represents that such material and information furnished in connection with the QBS and this Agreement is truthful and correct. Proposer shall promptly update such material and information to be complete and accurate, as needed, to reflect changes or events occurring after the Effective Date of this Agreement.

### **2. Scope of Services.**

Proposer shall perform the Services listed in the Proposal, attached hereto as Exhibit 1.

### **3. Term.**

This agreement shall remain in effect until the terms of the QBS and completion of services have been met, unless sooner terminated in accordance with the terms contained herein, ends upon completion of services.

#### **4. Compensation.**

**Maximum Price.** In accordance with the Proposer's negotiated cost, the price for providing the Services shall be as stated on the submitted Proposal, Exhibit 2.

**Schedule of Payment.** The City shall pay the Proposer for the Services in accordance with the amounts set forth in Exhibit 2, price shall remain firm for the entire contract period. The Proposer shall be required to submit an itemized invoice as well as any supporting documentation as required by the City. Each invoice shall be accompanied by a statement of the Proposer of the percentage of completion of the Services through the date of the invoice. Payment shall be made upon the basis of the approved invoices and supporting documents. The City, after inspection and acceptance, and in consideration of the faithful performance by the Proposer, agrees to pay for the completion of the work embraced in this Contract. Payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, *et. seq.*) upon receipt of the invoice.

#### **5. Performance of Services.**

**Standard of Performance.** Proposer shall perform all Services set forth in this Agreement, and any other agreed documents incorporated herein, with the degree, skill, care and diligence customarily required of a professional performing services of comparable scope, purpose and magnitude and in conformance with the applicable professional standards. Proposer shall, at all times, use its best efforts to assure timely and satisfactory rendering and completion of the Services. Proposer shall ensure that Proposer and all of its employees or subcontractors performing Services under this Agreement shall be: (i) qualified and competent in the applicable discipline or industry; (ii) appropriate licensed as required by law; (iii) strictly comply with all City of Aurora, State of Illinois, and applicable federal laws or regulations; (iv) strictly conform to the terms of this Agreement. Proposer shall, at all times until the completion of the Services, remain solely responsible for the professional and technical accuracy of all Services and deliverables furnished, whether such services are rendered by the Proposer or others on its behalf, including, without limitation, its subcontractors. No review, approval, acceptance, nor payment for any and all of the Services by the City shall relieve the Proposer from the responsibilities set forth herein.

#### **6. Termination.**

**Termination for Convenience.** The City has the right to terminate this Agreement, in whole or in part, for any reason or if sufficient funds have not been appropriated to cover the estimated requirement of the Services not yet performed, by providing Proposer with sixty (60) days notice specifying the termination date. On the date specified, this Agreement will end. If this Agreement is terminated by the City, as provided herein, the City shall pay the Proposer only for

services performed up to the date of termination. After the termination date, Proposer has no further contractual claim against the City based upon this Agreement and any payment so made to the Proposer upon termination shall be in full satisfaction for Services rendered. Proposer shall deliver to the City all finished and unfinished documents, studies and reports and shall become the property of the City.

## **7. Miscellaneous Provisions.**

**a. Illinois Freedom of Information Act.** The Proposer acknowledges the requirements of the Illinois Freedom of Information Act (FOIA) and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.

**b. Entire Agreement.** This Agreement, along with the documents set forth in Section 1 and incorporated by reference elsewhere in this Agreement, with consent of the parties, represents the entire agreement between the parties with respect to the performance of the Services. No other contracts, representations, warranties or statements, written or verbal, are binding on the parties. This Agreement may only be amended as provided herein.

**c. Consents and Approvals.** The parties represent and warrant to each other that each has obtained all the requisite consents and approvals, whether required by internal operating procedures or otherwise, for entering into this Agreement and the undertakings contemplated herein.

**d. Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be an original, but all of which shall constitute one and the same instrument.

CITY OF AURORA, ILLINOIS

(Contractor) M.E. Simpson Co., Inc.

\_\_\_\_\_  
SIGNATURE

Jolene Coulter

\_\_\_\_\_  
FULL NAME

\_\_\_\_\_  
DATE SIGNED

Director of Purchasing

\_\_\_\_\_  
TITLE

*Cara Lance-Emerick*

\_\_\_\_\_  
SIGNATURE

Cara Lance-Emerick

\_\_\_\_\_  
FULL NAME

10/28/25

\_\_\_\_\_  
DATE SIGNED

CFO

\_\_\_\_\_  
TITLE

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid
<b>2026 Program Costs</b>						
1	Lump Sum Costs	1	\$	\$85,410	\$85,410	<input type="checkbox"/>
2	Leak Detection, Areas 5 & 6 plus Airport (Approx. 261.32 Miles)	1	\$/Ft	Included	Included	<input type="checkbox"/>
3	On-Call Business Hours (8AM-4PM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
4	On-Call After Hours (4PM-8AM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
5	Mobilization Costs	1	EA	Included	Included	<input type="checkbox"/>
6	Pinpointing Costs (Main/Service Line)	1	EA	Included	Included	<input type="checkbox"/>
7	Pinpointing Costs (Valve or Hydrant)	1	EA	Included	Included	<input type="checkbox"/>
8	Traffic Control	1	Hour	Included	Included	<input type="checkbox"/>
<b>2027 Program Costs</b>						
9	Lump Sum Costs	1	\$	\$89,910	\$89,910	<input type="checkbox"/>
10	Leak Detection, Areas 1 & 2 (Approx. 266.46 Miles)	1	\$/Ft	Included	Included	<input type="checkbox"/>
11	On-Call Business Hours (8AM-4PM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
12	On-Call After Hours (4PM-8AM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
13	Mobilization Costs	1	EA	Included	Included	<input type="checkbox"/>
14	Pinpointing Costs (Main/Service Line)	1	EA	Included	Included	<input type="checkbox"/>
15	Pinpointing Costs (Valve or Hydrant)	1	EA	Included	Included	<input type="checkbox"/>
16	Traffic Control	1	Hour	Included	Included	<input type="checkbox"/>
<b>2028 Program Costs</b>						
17	Lump Sum Costs	1	\$	\$91,905	\$91,905	<input type="checkbox"/>
18	Leak Detection, Areas 3 & 4 (Approx. 272.93 Miles)	1	\$/Ft	Included	Included	<input type="checkbox"/>
19	On-Call Business Hours (8AM-4PM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
20	On-Call After Hours (4PM-8AM)	1	EA	(see attached)	(see attached)	<input type="checkbox"/>
21	Mobilization Costs	1	EA	Included	Included	<input type="checkbox"/>
22	Pinpointing Costs (Main/Service Line)	1	EA	Included	Included	<input type="checkbox"/>
23	Pinpointing Costs (Valve or Hydrant)	1	EA	Included	Included	<input type="checkbox"/>
24	Traffic Control	1	Hour	Included	Included	<input type="checkbox"/>

Hourly
Scheduled Call Outs - 6:00 a.m. - 6:00 p.m.
Emergency Call Outs 6:00 a.m. - 6:00 p.m.
Emergency Call Outs after 6:00 p.m. Weekends & Holidays

Clients	
First Hour	Additional
\$ 545.00	\$ 320.00
\$ 645.00	\$ 320.00
\$ 695.00	\$ 320.00

Daily
Weekdays between 6:00 a.m. - 4:00 p.m. Up to <b>9</b> hours <b>including</b> travel time
Weeknights, Weekends & Holidays Up to <b>9</b> hours <b>including</b> travel time

Clients	
Call Out	Additional
\$ 2,350.00 9 hours inc. travel	\$ 320.00 per additional hour
\$ 2,650.00 9 hours inc. travel	\$ 320.00 per additional hour