



**City of Aurora  
QBS 22-62  
Water Distribution System Leak Detection Services  
Professional Services**

**QUALIFICATION BASED SELECTION (QBS)**

The City of Aurora, Illinois (City) is in need of professional services from a qualified firm to provide Leak Detection Services for the City's water distribution system. As part of the consultant selection process, the City requests interested firms to submit a Statement of Qualifications (SOQ) to perform the requested work.

Included are:

1. SOQ Requirements
2. Selection Criteria and Weighting
3. Scope of Services
4. 2023 – 2025 Leak Detection map

All questions must be received by 5 p.m. (CST) on September 6<sup>th</sup>. A response to all questions received will be posted on the City's website by 5 p.m. (CST) on September 7<sup>th</sup>.

**The SOQ shall be submitted in pdf format VIA E-MAIL to [PurchasingDL@aurora.il.us](mailto:PurchasingDL@aurora.il.us) with the bid name in the email subject line no later than 4 p.m. (CST) on Friday, September 9, 2022.**

**The SOQ and any questions shall be addressed to the City of Aurora Purchasing Division, at [PurchasingDL@aurora.il.us](mailto:PurchasingDL@aurora.il.us). Any SOQ received after the above noted deadline may not be used as part of the consultant selection process. The email should include the City's bid number (QBS 22-62).**

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All SOQ submittals must be thorough, complete and accurate. The .pdf submittal shall be no more than 20 pages in length. The submittal should include the following information:

1. Cover letter on the firm's letterhead transmitting the qualifications. Include name of the firm, local address, telephone number and name of contact person (with email address).
2. List of relevant projects recently completed similar in nature to this project. Include a description of each project, including location, project team, and construction cost for each project.
3. Brief technical approach regarding the firm's abilities to perform the required Professional services.
4. List of key staff with brief resumes that would be assigned to the project including the Project Manager, technicians and any other relevant staff.
5. List of three (3) references including name, job title, telephone number, and email address.

### Selection Criteria and Weighting:

The selection criteria and weightings for project selection are indicated below.

- Firm Experience (30%). The entity's general experience and stability, and experience on projects similar to the one under consideration.
- Staff Capabilities (30%). The education, experience, and expertise of the entity's key employees.
- Schedule/Availability (30%). Availability of the staff to perform the requested duties.
- Adherence to RFQ (10%). Quality of the entity's submittal including, but not limited to, spelling, providing all the information requested, and providing correct/accurate information.

A selection committee will review, evaluate and score the submittals utilizing the criteria and weights defined above. The SOQ will be used by City staff to select the three most qualified consultants.

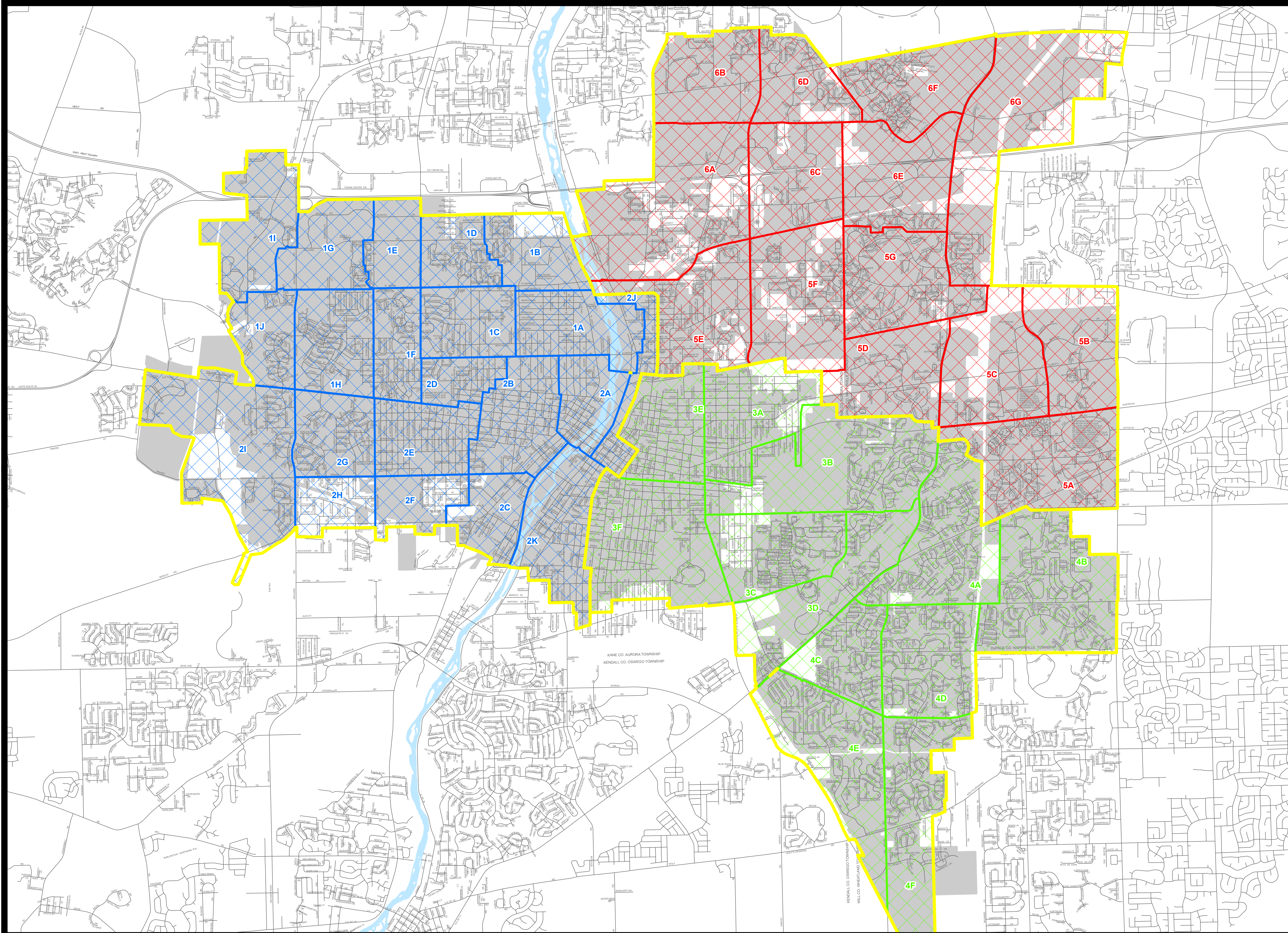
The top selected consultant will be notified and a final scope and hours will be negotiated. If an agreement cannot be reached with the top ranked firm, the City will start negotiations with the next highest ranked firm. Approval of the professional services agreement is subject to approval by the City Council.

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 an offer 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.

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**Professional Services Scope of Services**

- The City of Aurora (hereinafter “the City”) is accepting qualifications from qualified consultants to provide accurate systematic identification of leaks in the City’s water distribution system. To reduce water loss, the City’s water distribution system will be evaluated for leaks over a 3 year period, with approximately equal lengths of water main to be tested each year. Please see the attached 2023-2025 Leak Detection map outlining each area. The selected firm will also be asked to provide on-call leak detection services on a per use basis with a 2 hour response time. The contract is for a three-year term from 2023 through 2025, with extensions based on mutual agreement between the City and the consultant.
- 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.
- The City of Aurora will provide arrow boards and/or flaggers on an as-needed basis. The consultant shall provide any other traffic control needed in compliance with IDOT and MUTCD standards. The City will ensure that all valves (in vaults and boxes) and b-boxes are exposed prior to the consultant commencing activities in the area. 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. A report shall be generated for each pinpointed leak including a means to locate the leak and an estimated water loss. Located leak reports shall be brought to the attention of the City within 2 days of discovery.
- Per GIS data, the City’s water distribution system contains approximately 11,917 valves and 9,629 fire hydrants. There is no system count on curb stops but the system contains approximately 49,485 water accounts.
- The following items shall be included in the submittal:
  1. Cover Transmittal Letter – include contact information
  2. Terms and Conditions (if applicable)
  3. Consultant Background
  4. Project Approach and Schedule
  5. Leak Identification Technologies Utilized by Consultant
  6. Resumes of Key Personnel
  7. Related Experience
  8. Municipal/Government Agency References (minimum of three)



- Flushing Sub Areas Merged
- 2023 Leak Detection: Areas 1 & 2
- 2024 Leak Detection: Areas 3 & 4
- 2025 Leak Detection: Areas 5 & 6
- Centerlines
- Fox River
- City of Aurora

**2023 Leak Detection: Areas 1 & 2**

Diameter	Length (ft)	Length (mi)
4	21,557.74	4.08
6	496,696.00	94.07
6 PVC	2,972.18	0.56
8	377,404.08	71.48
8 PVC	64,112.02	12.14
10	53,732.65	10.18
12	212,232.35	40.20
12 PVC	31,339.65	5.94
14	21,765.12	4.12
16	49,850.30	9.44
16 PVC	962.92	0.18
<b>Total</b>	<b>1,332,625.01</b>	<b>252.39</b>

**2024 Leak Detection: Areas 3 & 4**

Diameter	Length (ft)	Length (mi)
4	30,768.71	5.83
6	255,228.94	48.34
6 PVC	1,928.00	0.37
8	673,422.53	127.54
8 PVC	91,533.87	17.34
10	4,242.23	0.80
12	259,996.95	49.24
12 PVC	9,014.29	1.71
14	3,606.93	0.68
16	27,275.01	5.17
16 PVC	5,814.05	1.10
<b>Total</b>	<b>1,362,831.50</b>	<b>258.11</b>

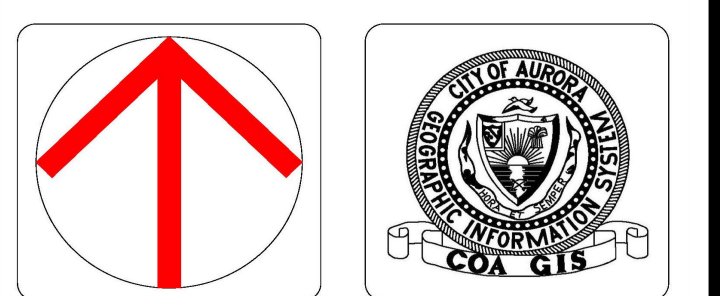
**2025 Leak Detection: Areas 5 & 6**

Diameter	Length (ft)	Length (mi)
4	5,655.20	1.07
6	139,501.00	26.42
6 PVC	1,745.82	0.33
8	566,366.81	107.27
8 PVC	54,363.03	10.30
10	10,912.18	2.07
12	342,556.58	64.88
12 PVC	22,400.58	4.24
14	9,213.40	1.74
16	105,247.83	19.93
16 PVC	1,381.98	0.26
<b>Total</b>	<b>1,259,344.41</b>	<b>238.51</b>

**2025 Leak Detection: Airport**

Diameter	Length (ft)	Length (mi)
Unknown	28.77	0.01
6	816.39	0.15
8	3,697.20	0.70
12	11,762.71	2.23
<b>Total</b>	<b>16,305.07</b>	<b>3.09</b>
<b>Total</b>	<b>3,971,105.99</b>	<b>752.10</b>

## 2023 - 2025 Leak Detection



**GIS DIVISION - AURORA, ILLINOIS**  
The information and/or data on this map depicts/illustrates generalized roadways and circulation and their relationships and is not intended to reflect precise dimensions, and/or distances of individual roads, and/or exact road alignments and right of ways.  
 The map and data on this map is intended for informational purposes only.