



**City of Aurora
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. 2020 – 2022 Leak Detection map

All questions must be received by 5 p.m. (CST) on February 7th. A response to all questions received will be posted on the City's website by 5 p.m. (CST) on February 10th.

The SOQ shall be submitted in pdf format VIA E-MAIL to PurchasingDL@aurora-il.org with the bid name in the email subject line no later than 5 p.m. (CST) on February 12th.

Any questions shall be addressed to John Hoffmann, Engineering Coordinator, City of Aurora, Engineering Division, 77 S. Broadway, Aurora, IL 60507, at jhoffmann@aurora-il.org. Any SOQ received after the above noted deadline may not be used as part of the consultant selection process.

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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.

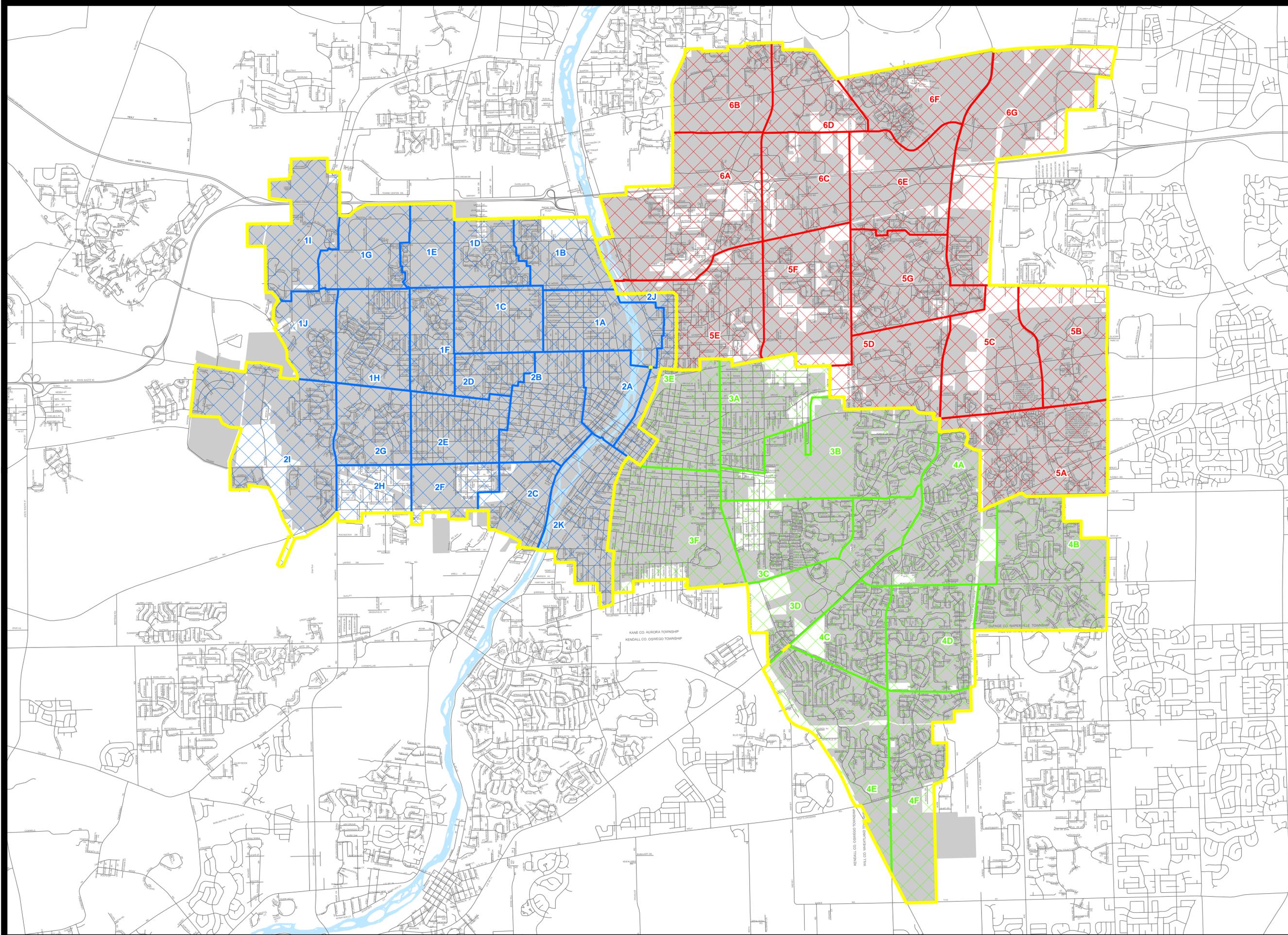
The top selected consultant will be notified and a final scope and hours will be negotiated. If an agreement cannot be reached with the top ranked firm, the City will start negotiations with the next highest ranked firm. Approval of the professional services agreement is subject to approval by the City 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 2020-2022 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 2020 through 2022, with extensions based on mutual agreement between the City and the consultant.
- The consultant shall provide traffic control 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. Leak detection shall be performed on every fire hydrant, accessible auxiliary and mainline valves and all accessible curb stops. 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.
- 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
- 2020 Leak Detection: Areas 1 & 2
- 2021 Leak Detection: Areas 3 & 4
- 2022 Leak Detection: Areas 5 & 6
- Centerlines
- Fox River
- City of Aurora

2020 Leak Detection: Areas 1 & 2

Diameter	Length (ft)	Length (mi)
4	18,372.29	3.48
6	493,898.04	93.54
6 PVC	1,497.50	0.28
8	367,983.62	69.69
8 PVC	63,851.68	12.09
10	52,378.69	9.92
12	206,568.44	39.12
12 PVC	28,992.90	5.49
14	21,604.02	4.09
16	49,617.61	9.40
16 PVC	981.07	0.19
Total	1,305,745.86	247.30

2021 Leak Detection: Areas 3 & 4

Diameter	Length (ft)	Length (mi)
4	30,777.40	5.83
6	250,937.37	47.53
6 PVC	1,274.25	0.24
8	664,673.75	125.89
8 PVC	91,046.72	17.24
10	4,256.37	0.81
12	257,489.37	48.77
12 PVC	8,254.36	1.56
14	4,429.67	0.84
16	27,232.23	5.16
16 PVC	5,808.86	1.10
Total	1,346,180.34	254.96

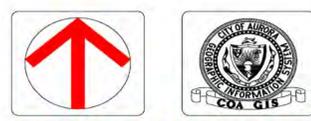
2022 Leak Detection: Areas 5 & 6

Diameter	Length (ft)	Length (mi)
4	5,522.74	1.05
6	121,876.48	23.08
6 PVC	696.65	0.13
8	550,352.74	104.23
8 PVC	58,977.57	11.17
10	9,586.52	1.82
12	337,780.48	63.97
12 PVC	23,210.68	4.40
14	9,172.72	1.74
16	101,582.12	19.24
16 PVC	1,376.44	0.26
Total	1,220,135.14	231.09

2022 Leak Detection: Airport

Diameter	Length (ft)	Length (mi)
Unknown	90.95	0.02
6	341.75	0.06
8	3,615.34	0.68
12	11,742.91	2.22
Total	15,790.95	2.99
Total	3,887,852.29	736.34

2020 - 2022 Leak Detection



**INFORMATION TECHNOLOGY
DIVISION - AURORA, ILLINOIS**

The information and/or data on this map depicts/illustrates general 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.