
CITY OF COLUMBUS - SOLE SOURCE INFORMATION FORM

TO ACCOMPANY LEGISLATION WHICH WAIVES
ANY PROVISIONS OF COLUMBUS CITY CODE CHAPTER 329.
(LIMIT YOUR RESPONSE TO THIS SHEET)

1. Verification of sole source: (Why no other individual or business entity is capable of supplying the needed item/service.)

- ☒ Sole source manufacturer/distributor.
- ☒ Sole distributor authorized for this territory.
- ☐ Patented product purchased for owner/developer.
- ☐ Sole company offering this unique service.
- ☐ Other:

2. Describe any effort to bid for alternate item (service or product) that is not provided by a sole source that would meet this need:

Water Distribution Engineering is seeking a cost-effective and cost-competitive technology for leak detection in the water network (mains and service lines). This pilot will help to validate the effectiveness of the CivilSense technology to identify and isolate leaks in the water distribution system.

3. Describe efforts to determine/verify that the company is the sole source:

End-to-end leak detection as a single product offering is available only in the Oldcastle Infrastructure CivilSense solution ("Solution"). No other person or product offers a similar or competing product in the United States that combines all of the features of the Solution:

1. Leak-Detection-as-a-Service (LDaaS) using both advanced, acoustic sensors and Artificial Intelligence (AI) models to determine leak location, size and impact.
2. Deployment and subsequent retrieval of advanced, acoustic sensors across the selected sweep area to capture data for validation of leaks by advanced AI models.
3. Generation of Points of Interest and deployment of expertly trained leakage engineers to physically mark the location of the leak utilizing AI models, specifically, cloud correlation and top-sounding module.
4. Inform the utility where to initiate, prioritize and schedule repairs for mainline piping.
5. In-situ validation of leak repairs. Sensors remain in-situ at the nearest available asset to the dig location so leak repair can be confirmed post dig. Once completion of the repair has been communicated by the water department, Oldcastle will verify that the identified leaks have been successfully repaired.
6. AI models that identify leaks with 94% accuracy.

4. Indicate how the price or fee structure was determined:

Scope and fee for piloting this product has been provided by Vendor

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Approved By: Authorized Approval on Corresponding Legislative File
