

UTILITIES



Acoustic Assessment of Sewer Pipe & Manhole Inventory Inspections

City Staff Representatives: Marc Johns, Interim Director of Utilities
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Strategic Focus



STRATEGIC FOCUS AREA
Financially Responsible



STRATEGIC FOCUS AREA
Supportive, Sustainable Infrastructure

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Overview

- Project Background
- Project Details
- Staff Recommendations
- Council Options

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Project Background

- Transmissive acoustic assessments enable wastewater collection system managers to transition from a rotational approach of maintenance to a condition-based approach. (clean every pipe to clean the dirty pipe)
- The rapid assessment of the sewer pipes 6"-12" will diagnose flow capacity and flow conditions.

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Project Background Cont.

- Each pipe segment will be given a score from 0 to 10.
 - BLOCKED = 0
 - POOR = 1-3
 - FAIR = 4-6
 - GOOD = 7-10
- Once all data is collected, the data will be uploaded into maps and dashboards to easily display flow condition of all assessed pipes in our collection system.

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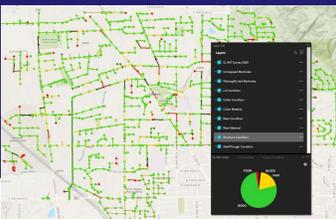
Project Details

- 701,958 Feet of sewer pipe to be assessed. Includes all 6"-12" pipe in our collection system.
- 2,950 manholes will be assessed in the system. They will be prioritized based on manhole condition and incorporated into the assessment data.

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Project Details Cont.



<https://youtu.be/-xpVZQP4hEo>

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FINANCE
Procurement Division

Brighton
Procurement Summary

PROCUREMENT METHOD:
Formal Solicitation, advertised via BidNet, resulting in three (3) responses.

PROPOSAL RECEIVED:
Proposal 1: \$164,332.86
Proposal 2: \$223,038.90
Proposal 3: \$280,775.00



STAFF RECOMMENDATION:
Accept Proposal 1 submitted by RH Borden and Company, as this Proposal has been deemed the lowest, most responsive and responsible vendor. The vendor's proposal exemplifies their understanding of the City's intended approach to improve efficiency and effectiveness of wastewater line inspection.

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Council Options

- Approve as presented
- Reject

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Questions?

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