Ivins City Staff Report
City Council Meeting 10/20/2022

Agenda Item: Consider approval of expenditure for leasing sonar sewer inspection equipment

Submitted by: Charles R Gillette, P.E., Public Works Director and City Engineer

Recommended City Council Action:
Approve expenditure of $12,000 for leasing sonar sewer inspection equipment

BACKGROUND:
Nearly three years ago, Ivins City Public Works modified the sewer cleaning process to involve more inspection and less cleaning. Prior to this, we had a goal to clean all sewer pipes every two years in accordance with recommended practices from our insurance company. But in early 2020 we decided to change our strategy based on new acoustic technology that uses sonar to determine if a pipeline is clogged. It saved a hours and hours of crew and equipment time since we are no longer cleaning pipes that do not need cleaning. Santa Clara has also adopted the technology seeing the obvious benefits.

It also helped identify a pipeline that was almost completely plugged off due to pipe settling. We repaired the pipe last year before there was an actual backup that could have caused a claim against the City.

FINDINGS AND ANALYSIS:
The devices are not available for purchase and can only be leased. The technology is patented and protected and so there are no other competitors using a similar technology.

SUPPORT MATERIALS:
Quotation

FINANCIAL IMPACT:
This item has been included in the FY23 Budget:
52-4031.5: $12,000

Respectfully Submitted:

Charles Gillette, P.E., Public Works Director/City Engineer

Content Review:

Dale Coulam, City Manager

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INVOICE

BILL TO	SHIP TO	SHIP DATE	10/03/2022	INVOICE	1286
Mr. Charles R Gillette	Mr. Charles R Gillette			DATE	10/03/2022
City of Ivins	City of Ivins			TERMS	Due on receipt
55 N Main St	55 N Main St			DUE DATE	10/03/2022
Ivins, UT 84738 United States	Ivins, UT 84738 United States				

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
10/03/2022	Acoustic Assessment Subscription - UT	3 Months of full access to Transmissive Acoustic Rapid Assessment Tool (SL-RAT) and Online Data Organizer (SL-DOG) for the purpose of performing rapid sewer line assessments.	1	12,000.00	12,000.00

BALANCE DUE **$12,000.00**