Ivins City Staff Report
City Council Meeting 3/21/2023

Agenda Item: Consider approval of expenditure for video inspection of sewer lines

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

Recommended City Council Action:
Approve expenditure of $30,000 for video inspection of sewer lines.

BACKGROUND:
Inspection of sewer lines is considered a best practice for proper maintenance of a sewer collection system. Even though we are using the sonar system as our main method of finding clogs in our system. Once we detect clogged pipelines, we will clean the pipeline and then video the pipeline to see if the cleaning removed the clog or if there are other problems in the system.

There are some problems, however, that cannot be detected with sonar equipment. We have decreased the frequency to once per 10 years with the sonar inspection. Some of the problems that are undetectable with the sonar equipment are: minor clogs, minor root intrusion, pipeline cracks, punctures, minor pipeline dips, minor grease buildup.

This approach is still considered to be huge cost savings versus conventional clean and video style of maintenance.

FINDINGS AND ANALYSIS:
In 2022, Ivins City contacted two video inspection companies. The results of the bids are as follows:

Twin D: $0.46 per foot of sewer pipe
Kotter and Sons: $0.95 per foot sewer pipe

As a result, we contracted with Twin D. We have asked Twin D to revise their price for current conditions and it increased to $0.48 per foot if you include per diems and mobilization it is $0.536 per foot. It is recommended that we continue with Twin D. We have budgeted $30,000 for this fiscal year which enables us to camera 56,000 lineal feet of pipelines.

SUPPORT MATERIALS:
Estimate from Twin D

FINANCIAL IMPACT:
This item has been included in the FY24 Budget:
52-4031.5: $30,000

Respectfully Submitted:

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

Content Review:

Dale Coulam, City Manager

TWIN "D" Inc.

3120 N. 675 E. Layton, Utah 84041
801-771-3038 www.twind.net

Estimate

ADDRESS
MR. [redacted]
IVINS CITY CORPORATION
55 NORTH MAIN ST.
UTAH
ATTENTION: CHUCK
IVINS, UT 84738

SHIP TO
MR. [redacted]
IVINS CITY CORPORATION
IVINS CITY CORPORATION
55 NORTH MAIN ST.
IVINS, UTAH 84738
ATTENTION: CHUCK

ESTIMATE # 1175
DATE 03/08/2024

P.O. # / APPROVED BY	PROJECT NAME	ESTIMATOR
CHUCK	2024 SEWER CCTV	NATE

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
MV	TRAVEL CHARGE FOR TV TRUCK	1	1,200.00	1,200.00
PD	PER DIEM - DAILY CHARGE FOR CREW EXPENSES	11	175.00	1,925.00
MVF	MUNICIPAL VIDEO INSPECTION - PER FOOT RATE	56,000	0.48	26,880.00

SUBTOTAL	30,005.00
TAX	0.00
TOTAL	**$30,005.00**

Accepted By

Accepted Date