

**SANTA YNEZ COMMUNITY SERVICES DISTRICT
MEMORANDUM**

TO: Board of Directors
FROM: Loch Dreizler, General Manager
DATE: December 18, 2024
SUBJECT: Review and discuss video of the Ductile Iron Pipe (DIP) and determine a course of action for making the necessary repairs, including 01). reconsidering the previous rejection of the Ductile Iron Pipe Lining Project and the Potential Award of Contract to the Lowest Apparent Bidder or 02). approving only some of the 5 locations.
Staff recommends Proposed Motion #1 and #2.

Proposed Motion #1: Move to rescind the October 16, 2024 bid rejection for the Ductile Iron Pipe Lining Project.

Proposed Motion #2:

- Motion to award the Ductile Iron repairs to Insituform for \$332,737.
- Include the approval of project management and inspections for approximately \$67,000 (\cong 20% of contract) by Cannon Engineering and a \$50,000 (\cong 15% of contract) contingency for unforeseen project expenses for a **total project cost of approximately \$450,000.**
- Authorizing the Board President to sign the contract with Insituform.
- Authorize the general manager to sign a time and materials contract with Cannon Engineering not to exceed \$67,000
- Authorize the general manager to sign change orders with Insituform for up to \$50,000 in total without additional Board approval.

Alternative to Motion #2:

Accept previous bids for only a portion of the following five locations:

1. Manholes 0285 to 0287 (Near High School)
2. Manholes 0178 to 0194 (Tyndall)
3. Manholes 0068 to 0067 (Tivola)
4. Manholes 0175 to 0096 (Pine)
5. Manholes 0206 to 0195 (Tyndall Adjacent)

Including the necessary project management and inspections approved at \cong 20% of the contract by Cannon Engineering. An approximately 15% contingency for unforeseen project expenses. Authorizing the Board President to sign the contract with Insituform. Authorize the general manager to sign a time and materials contract with Cannon Engineering that does not exceed \cong 20% and any change orders with Insituform up to \$50,000.

Policy Implications

Element IV: Operations and Maintenance Program – Section C

The District's Sewer System Management Plan (SSMP) indicates that "rehabilitation and replacement should focus on sewer pipes at risk of collapse or prone to more frequent blockages due to pipe defects."

Fiscal Implications

Our District designated \$750,000 in this year's budget for this capital project.

Discussion

At the October Board Meeting, the board authorized the General Manager to contract to have the Ductile Iron lines cleaned and video to reassess the necessity for lining based on the video and our engineer's recommendations. In November, the board also approved having a Special Meeting to receive input from Mainline – the clean/video contractor.

Attachment:

1. Cannon Engineering Observations and Recommendations from reviewing video completed by Mainline.
2. October 16, 2024 Board Memo

Santa Ynez Community Services District

**Ductile Iron Pipe Sewer Line
Video Inspections by *Mainline***

***Cannon Engineering*
Observations and Recommendations**

Special Board Meeting December 18, 2024

1. Santa Ynez High School From Manholes 0285 to 0287

a. 90' Total Length – first 33' of 8" clean Clay pipe from 285

- Representative Video 01A from 1:10 to 1:15
- Representative Video 01B from 0:20 to 0:30

b. Debris at MH 287

c. SY High School at MH0285 & MH0287

- 67' of 8" DIP with high tuberculation (build-up)
- Pipe severely restricted and diameter less than 4"
- The camera was unable to proceed at 35.5' MH 285
- The camera was unable to proceed at all from MH 287
- Chain flail cleaning for tuberculation removal will create holes at multiple points along the pipeline.



Recommendation: Install New Liner

Priority: High

2. Tyndall Manholes 0178 to 0190 & Manholes 190 to 194

a. MH 178 to MH 190 = 225' & MH 190 to MH 194 = 175' (400')

- Representative Video from 5:15 to 5:45

b. 118' of 12" clean Clay Pipe transitions to 12" DIP.

c. Moderate amounts of tuberculation along DIP.

d. The camera was unable to proceed at about 118'



Recommendation: Install New Liner

Priority: Moderate

3. Tivola Manholes 0068 to 0067 (typo below: MH 68, not 69)

a. 393' & 100' of 10" Clean Clay Pipe and 10" DIP

- Representative Video from 2:50 to 3:50

b. Moderate to high amounts of tuberculation along DIP.

c. Reduced inside diameter.

d. Camera unable to proceed at 100'



Recommendation: Install New Liner

Priority: Moderate to High

4. Pine Street (West) Manholes 0175 to 0096.

a. 35' of clean 6" Clay Pipe and 225' of 6" DIP (Total MH to MH = 344')

- Representative Video from 1:30 to 2:00

b. Moderate to high amounts of tuberculation along DIP

c. Reduced inside diameter

d. The camera was unable to proceed at 45'



Recommendation: Install New Liner

Priority: Moderate to High

5. Tyndall Adjacent Manholes 0206 to 0195 (Pine Street East)

a. 55' of clean 8" Clay Pipe and 180' 8" DIP (Total MH to MH = 277')

- Representative Video from 5:30 to 7:00

b. High amounts of tuberculation along DIP

c. The pipe becomes restricted with a diameter of less than 4"

d. Camera unable to proceed at

e. Chain flail cleaning and tuberculation removal will create holes at multiple points along the pipeline.



Recommendation: Install New Liner

Priority: High

**SANTA YNEZ COMMUNITY SERVICES DISTRICT
MEMORANDUM**

TO: Board of Directors
FROM: Loch Dreizler, General Manager
DATE: October 16, 2024
SUBJECT: Discuss, approve, and modify, if necessary, the Ductile Iron Pipe contract to Insituform for \$332,737, as well as the staff's recommendation for the additional cost for project management, project inspections by Cannon Engineering and a contingency for unforeseen project expenses.

Proposed Motion / Recommendation:

The motion is to be determined after the board discussion. See the alternatives below.

Proposed Alternative Motions:

1. **Reject all bids.**
2. Do **not install lining** - Clean and video with the independent contractor and reassess the necessity for lining based on the cleaning contractor and engineer's recommendations.
3. Do **some lining** on one or more of the 5 locations to be determined.
4. Do **lining project as bid** at all locations (Staff and Engineering recommendation).

Policy Implications

Public Contract Code § 1100-9203 (generally applicable)

Public Contract Code § 20100, et seq. (special district-specific)

The Public Contract Code requires public agencies, local governments, and special districts to award contracts to the lowest responsible bidder. The purpose of bidding requirements is to ensure all qualified bidders have "a fair opportunity to enter the bidding process and eliminate favoritism, fraud, and corruption in awarding public contracts.

Fiscal Implications

Our District designated \$750,000 in this year's budget for this public works project.

However, this project costs approximately \$450,000, or \$300,000 less than the budget.

Discussion

Our bid language allows the District to:

- Reject all bids, or
- The district reserves the right to award only individual bid items from the *Bid Schedule*.
- The final scope and fees would be negotiated between the lowest responsible bidder and the District or
- Should the District be unable to negotiate a satisfactory contract with the lowest responsible bidder, negotiations with that firm shall be formally terminated, and then,
- Negotiations will be undertaken with the next lowest responsible bidder.

Attachment: DIP Replacement Project – Insituform Bid Summary

SECTION 00310

BID SCHEDULE, SYCSD PROJECT NO. 2024-01 (Addendum 6)

ITEM NO.	APPROX. QTY.	UNIT	DESCRIPTION: WITH UNIT PRICES WRITTEN IN WORDS	UNIT PRICE IN FIGURES	AMT. IN FIGURES
1.	1	Lump Sum	Mobilization of equipment and materials in accordance with the Contract Documents, complete and in place, for the lump sum price of _____	\$10,864	\$10,864
2.	1	Lump Sum	Prepare Water Pollution Control Plan (WPCP) in accordance with the Contract Documents, complete and in place, for the lump sum price of _____	\$1,660	\$1,660
3.	1	Lump Sum	Provide traffic control in accordance with the Contract Documents, complete and in place, for the lump sum price of _____	\$22,133	\$22,133
4.	90	Linear Feet	Install 8-inch diameter CIPP liner in the existing sewer main in Mission Drive in accordance with the Contract Documents, complete and in place, for the unit price of <u>01. Santa Ynez High School - High Priority</u>	\$260	\$23,400
5.	400	Linear Feet	Install 12-inch diameter CIPP liner in the existing sewer main in Tyndall Street in accordance with the Contract Documents, complete and in place, for the unit price of <u>02. Tyndall - Moderate Priority</u>	\$127	\$50,800
6.	393	Linear Feet	Install 10-inch diameter CIPP liner in the existing sewer main in Tivola Street in accordance with the Contract Documents, complete and in place, for the unit price of <u>03. Tivola Manholes - Moderate to High Priority</u>	\$118	\$46,374
7.	344	Linear Feet	Install 8-inch diameter CIPP liner in the existing sewer main in Pine Street (W) in accordance with the Contract Documents, complete and in place, for the unit price of <u>04. Pine (West) - Moderate to High Priority</u>	\$87	\$29,928
8.	277	Linear Feet	Install 8-inch diameter CIPP liner in the existing sewer main in Pine Street (E) in accordance with the Contract Documents, complete and in place, for the unit price of <u>05. Pine (East) - High Priority</u>	\$174	\$49,198

ITEM NO.	APPROX. QTY.	UNIT	DESCRIPTION: WITH UNIT PRICES WRITTEN IN WORDS	UNIT PRICE IN FIGURES	AMT. IN FIGURES
9.	1	Lump Sum	Provide bypass pumping or flow control equipment during CIPP installation and curing in accordance with the Contract Documents, complete and in place, for the lump sum price of _____	\$1,662	\$1,662
10.	5	Days	Clean, CCTV, and inspect Project sewer main locations, from MH to MH in accordance with the Contract Documents, complete and in place, for the daily lump sum price of _____	\$14,002	\$70,010
11.	12	EA	Install lateral Top Hats in accordance with the Contract Documents, complete and in place, for the unit price of _____ _____	\$2,324	\$27,888

TOTAL BID **\$332,737**

(in words)

\$ _____ (in figures)

Each individual bid item shall be determined from visiting the work site, reviewing the Contract Documents, and all other portions of the Contract Documents, and shall include all items necessary to complete the Work, including the assumption of all obligations, duties, and responsibilities necessary to the successful completion of the Contract, and the furnishing of all materials and equipment required to be incorporated in and form a permanent part of the work; tools, equipment, supplies, transportation, facilities, labor, superintendence, and services required to perform and complete the work; and bonds, insurance and submittals; all as per the requirements of the Contract Documents, whether or not expressly listed or designated.

District reserves the right to only award specific bid items per Section 00100.

****END OF SECTION****