



Agenda Date: 1/12/2022

Agenda Placement: 8A

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer

REPORT BY: Simon Kobayashi, Associate Engineer - 707-258-6030

SUBJECT: Award Construction Contract for the 2022 Collection System Rehabilitation Project (CIP 21701)

RECOMMENDATION

Award the construction contract (base bid plus bid alternate) for the 2022 Collection System Rehabilitation Project (CIP 21701) to Southwest Pipeline and Trenchless Corp. for the bid amount of \$3,259,907 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

EXECUTIVE SUMMARY

The 2022 Collection System Rehabilitation Project is located primarily within NapaSan's Vine Hill basin (near Trower Avenue and Linda Vista Avenue). This area was selected because it is the top priority in NapaSan's 2021 Collection System Master Plan and it is upstream from the Raleigh/Trower overflow location. Additional project areas, including Cabot Way, Claremont Way, Brown St/Main St, and Summit Avenue were identified as high priorities due to condition assessment results through NapaSan's asset management program.

On December 14, 2021, NapaSan received 4 bids for the 2022 Collection System Rehabilitation Project (CIP 21701). The engineer's estimate of probable construction cost for the project was \$5,972,000. Southwest Pipeline and Trenchless Corp. is the lowest qualified bidder in the amount of \$3,259,907 which is 45% lower than the engineer's estimate.

The second lowest bid was submitted by Insituform Technologies LLC. in the amount of \$4,100,381 which is 26% higher than the low bid, and 31% lower than the engineer's estimate. The high bid was submitted at \$4,465,966.

The bids received for this project were significantly below the engineer's estimate, which staff believes may be due to a competitive bidding climate and the economy of scale for a large quantity of CIPP work.

The project is comprised of a base bid and a bid alternate. The bid alternate includes additional lateral

rehabilitation and cleanout installations throughout NapaSan's service area. Including this scope of work as an alternate provided NapaSan with the flexibility to withdraw the scope from the project if bid results were unfavorable. Since the bids received were competitive and the pricing was better than expected, staff recommends award of the total project. A summary of bids is attached.

Notice to Proceed is expected to be issued in February 2022 and construction is expected to begin in March 2022. The Contractor has 240 calendar days to substantially complete the project from Notice to Proceed.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 21/22 and the proposed FY 22/23 Capital Improvement Program. The project budget is \$6,976,500.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will rehabilitate portions of the collection system that are in need of repair and have been previously identified as significant sources of I&I. The project will result in a reduction of I&I flows in the collection system and ultimately to the treatment plant.
Is the general fund affected?	No
Future fiscal impact:	Construction will be completed in FY 2022/23. Unused budgeted from the current fiscal year will be carried forward into next fiscal year.
Consequences if not approved:	The I&I within the project boundaries will stay at current levels in the collection system and increase over time. The pipelines and manholes that are in need of repair will remain in service and will require increased maintenance and emergency repairs.
Additional Information:	None.

ENVIRONMENTAL IMPACT

The project was previously determined to be Categorically Exempt by the Board on November 3, 2021. A Notice of Exemption was filed with the Napa County Recorder on December 16, 2021.

BACKGROUND AND DISCUSSION

The Inflow and Infiltration (I&I) Reduction Program findings indicate that certain areas in the collection system contributed much higher I&I than other areas. The areas defined within the scope of this project as sources of significant I&I, and sanitary sewer overflows have occurred downstream of the basins in recent years. The project proposes to rehabilitate or replace pipelines by cured-in-place pipe (CIPP) lining, or open-cut construction.

Sewer mains within streets that are in good condition will be rehabilitated using trenchless technologies wherever

possible, which are less invasive to streets than pipe bursting or open cut methods. NapaSan staff continues to coordinate with City staff regarding the schedule for sewer rehabilitation and street resurfacing projects.

The general scope of the project includes the following:

- | 33,332 LF (6.3 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 5 flush holes will be replaced.
- | 714 laterals are included and will be rehabilitated through CIPP lining, or replaced by open cut construction.

The project will include a total of 6.3 miles of pipeline (2.3% of the total system).

NapaSan staff will perform inspection and Psomas will provide construction management services for this project. At the completion of this project, post construction flow monitoring will be performed as part of the I&I Reduction Program to evaluate the success of the project.

SUPPORTING DOCUMENTS

A . Bid Results

B . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy