



Agenda Date: 12/18/2019
Agenda Placement: 8C

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 2020 Collection System Rehabilitation Project (CIP 19703)

RECOMMENDATION

Award the construction contract (base bid plus bid alternate) for the 2020 Collection System Rehabilitation Project (CIP 19703) to Nu-Line Technologies, LLC for the bid amount of \$6,445,000 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

EXECUTIVE SUMMARY

On November 21, 2019, NapaSan received 4 bids for the 2020 Collection System Rehabilitation Project (CIP 19703). The engineer's estimate of probable construction cost for the project was \$6,560,000. Nu-Line Technologies, LLC is the lowest qualified bidder in the amount of \$6,445,000 which is 2% lower than the engineer's estimate.

The second lowest bid was submitted by Cratus, Inc. in the amount of \$6,706,845 which is 4% higher than the low bid. The high bid was submitted at \$9,025,310.

The project is comprised of a base bid and bid alternate. The bid alternate includes pipe-bursting work in Browns Valley Road between Thompson Avenue and Chelsea Avenue. 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 in-line with expectations, staff recommends award of the total project. A summary of all total bids is attached.

Notice to Proceed is expected to be issued in January 2020 and construction is expected to begin in March 2020. The Contractor has 245 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 19/20 and the proposed FY 20/21 Capital Improvement Program. The project budget is currently \$6,383,300. There is sufficient savings from other capital projects to cover the project costs.
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 Plant.
Is the general fund affected?	No
Future fiscal impact:	Construction will be completed in FY 20/21. The project cost budgeted in this 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 continue to degrade and will result in an increased probability of failure.
Additional Information:	None.

ENVIRONMENTAL IMPACT

The project was previously determined to be Categorical Exempt by the Board on October 2, 2019. A Notice of Exemption was filed with the Napa County Recorder on October 3, 2019.

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 pipe bursting, 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. City of Napa staff has indicated that certain streets within the project area that are in poor condition are scheduled for resurfacing after completion of this project as part of the City's Measure T and local streets paving programs. 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:

- | 13,633 LF (2.6 miles) of sewer main will be rehabilitated through pipe bursting.
- | 15,720 LF (3.0 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 66 manholes and flush holes will be replaced, rehabilitated, or abandoned.
- | 382 laterals are included and will be rehabilitated through pipe bursting, CIPP lining, or replaced by open cut construction.

The project will include a total of 5.6 miles of pipeline (2.0% of the total system).

The engineer's estimate of probable construction cost for the project is \$6,560,000. At the time of project approval, the engineer's estimate was \$5,800,000. Prior to bidding, additional project scope was added, which caused the engineer's estimate to increase.

NapaSan staff will perform construction management and inspection of 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