



Agenda Date: 12/19/2018
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: Karl Ono, Associate Engineer - (707) 258-6013

SUBJECT: Award Construction Contract for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706)

RECOMMENDATION

Award the construction contract (base bid plus bid alternate) for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706) to Cratus, Inc. for the bid amount of \$7,038,772 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

EXECUTIVE SUMMARY

On December 4, 2018, NapaSan received 4 bids for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706). The engineer's estimate of probable construction cost for the project was \$7,850,000. Cratus, Inc. is the lowest qualified bidder in the amount of \$7,038,772 which is 10% lower than the engineer's estimate.

The second lowest bid was submitted by D'arcy and Harty Construction, Inc. in the amount of \$7,307,996 which is approximately 4% higher than the low bid. The high bid was submitted at \$11,399,652.40.

The project is comprised of a base bid and bid alternate. The bid alternate includes Napa County's scope of work to install ADA compliant curb ramps and resurface approximately 1.6 miles of streets in the County "pocket" north of Imola Avenue and East of Soscol Avenue. Including this scope of work as an alternate allowed the County the flexibility to withdraw their scope from the project if bid results were unfavorable. Since the bids received were competitive and the pricing was in-line with expectations, the County wishes to proceed with the roadway rehabilitation scope of work, and Staff recommends award of the total project. A summary of all total bids is attached. NapaSan has entered into a Reimbursement Agreement with the County to recover costs associated with the bid alternate.

Notice to Proceed is expected to be issued in February 2019 and construction is expected to begin in March 2019. The Contractor has 270 calendar days to substantially complete the project from Notice to Proceed.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 18/19 and the proposed FY 19/20 Capital Improvement Program. The project budget for Sanitary Sewer Rehabilitation is \$6,208,950. The project budget for Roadway Rehabilitation is \$1,933,668 (pending approval of amendment to the Reimbursement Agreement as a separate item on this agenda), which will be reimbursed to NapaSan by Napa County as construction progresses.
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 19/20. 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 17, 2018. A Notice of Exemption was filed with the Napa County Recorder on October 23, 2018.

BACKGROUND AND DISCUSSION

The Inflow and Infiltration (I&I) Reduction Program findings indicate that certain areas in the collection system provided much higher I&I than other areas. The area defined within the scope of this project is a source of significant I&I, and sanitary sewer overflows have occurred downstream of the basin in recent years. The project proposes to rehabilitate pipelines by pipe bursting, cured-in-place pipe (CIPP) lining, or by open cut construction and replacing sewer lines within the project boundary.

Extensive paving coordination efforts were undertaken during the design of this project. A large portion of the project is situated within a County "pocket" area, and Napa County Public Works has expressed an interest in

rehabilitating the streets within their jurisdiction. NapaSan and County Public Works staff have agreed to a partnership, through which the County maintained streets in the project area will be resurfaced as part of this project. This approach will minimize impacts to the community by completing underground utility rehabilitation/replacement and street resurfacing within the same construction season. County and NapaSan staff have entered into a Reimbursement Agreement, through which costs for street resurfacing and associated improvements will be reimbursed by Napa County with Measure T funding.

Because the project area also includes streets within the City limits, NapaSan and City of Napa staff have also been working in coordination. Sewer mains within streets that are in good condition will be rehabilitated using cured-in-place pipe, which is less invasive to streets than pipe bursting or open cut methods. City staff has indicated that 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 10-mile paving program. NapaSan staff continues to coordinate with City of Napa staff regarding the schedule for resurfacing City maintained streets within the project area.

The general scope of the project includes the following:

- | 10,470 LF (2.0 miles) of sewer main will be rehabilitated through pipe bursting.
- | 20,370 LF (3.9 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 140 LF (0.03 miles) of sewer main will be removed and replaced by open-cut construction to address issues that cannot be fixed by pipe bursting or CIPP lining.
- | 80 manholes and flush holes will be replaced, rehabilitated, or abandoned.
- | 615 laterals are included and will be rehabilitated through pipe bursting, CIPP lining, or replaced by open cut.
- | 1.6 miles of street resurfacing of County maintained roads
- | 21 ADA compliant curb ramps adjacent to County maintained streets

The project will include a total of 5.9 miles of pipeline (2.2% of the total system).

The engineer's estimate of probable construction cost for the project is \$7,850,000, which includes sewer (NapaSan) and roadway (County) rehabilitation work. At the time of project approval, the engineer's estimate was \$7,200,000. Prior to bidding, additional project scope was added, which caused the engineer's estimate to increase.

District staff and County 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 . CIP 18706 Bid Results
- B . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy