



Agenda Date: 8/7/2019

Agenda Placement: 7D

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors

**FROM:** Andrew Damron for Timothy Healy - General Manager  
NS-Technical Services/Engineer

**REPORT BY:** Karl Ono, Associate Engineer - (707) 258-6013

**SUBJECT:** Award Construction Contract for the Upper Lateral Rehabilitation Pilot Project #4 (CIP 18703)

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### **RECOMMENDATION**

Award construction contract for the Upper Lateral Rehabilitation Pilot Project #4 (CIP 18703) to Nor-Cal Pipeline Services for the bid amount of \$78,223 and authorize the purchasing agent to execute the Work Order with the Contractor.

### **EXECUTIVE SUMMARY**

On July 25, 2019, NapaSan received two bids for the Upper Lateral Rehabilitation Pilot Project #4 (CIP 18703). The engineer's estimate of probable construction cost for the project was \$42,000. Nor-Cal Pipeline Services is the lowest qualified bidder in the amount of \$78,223 which is 86% higher than the engineer's estimate and 62% less than the second lowest bid in the amount of \$126,764. A summary of all bids is attached.

On past upper lateral rehabilitation projects, bids from contractors have ranged between \$3,200 and \$5,500 per lateral. In 2017, for the third upper lateral pilot project, the low bid of \$5,500 per lateral was rejected and the project was completed by the NapaSan Collections Department. Due to the difference in historical bid results from contractors, efforts were made in the design and bidding of this project in an attempt to obtain more favorable bid results. NapaSan staff conducted outreach to eleven trenchless rehabilitation contractors. Many of the contractors that were contacted are regionally based and others had worked on previous NapaSan projects. Additionally, the project was advertised using a more simplified bid package than previous upper lateral rehabilitation projects to decrease the level of effort required by a contractor to submit a bid. The engineer's estimate was prepared with the assumption that more local and regional bidders would respond and more and competitive bids would be received. However, these efforts did not yield more favorable results, and the low bid represents an average cost of approximately \$5,400 per lateral.

Performing the work with NapaSan staff would adversely impact staff's ability to complete other scheduled work.

The trade off for NapaSan conducting the work would be that inspection and maintenance of critical public sewer mains and laterals would be deferred. Because of this, the low bid generally being in-line with historical pricing, and the project being smaller in comparison to past upper lateral rehabilitation projects, Staff recommends award of the project to the low bidder.

Notice to Proceed is expected to be issued in August 2019 and construction is expected to start late August 2019. The Contractor has until October 1, 2019 to substantially complete the project.

### **FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 2019/20 capital budget.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will rehabilitate upper laterals in a basin that has been previously identified as a significant source of I&I. It is anticipated that 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?	Yes
Future fiscal impact:	None. Construction will be completed in FY 2019/20.
Consequences if not approved:	The I&I within the project boundary will stay at current levels in the collection system and increase over time as the pipes continue to deteriorate.
Additional Information:	None.

### **ENVIRONMENTAL IMPACT**

The project was previously determined to be Categorically Exempt by the Board on June 19, 2019. A Notice of Exemption was filed with the Napa County Recorder on June 21, 2019.

### **BACKGROUND AND DISCUSSION**

NapaSan has completed three upper lateral pilot projects to date. Results for peak flow reduction have varied from 8% to 61%, with an overall average of 34%. This fourth upper lateral pilot study will continue to collect data and help NapaSan evaluate the costs and benefits of rehabilitating private laterals. The project area selected for the project is isolated (there are not other pipes flowing into the area) and the sewer mains and street laterals were rehabilitated in the 2017 Collection System Rehabilitation Project. Preconstruction flow monitoring was performed last winter to measure the base flow from the project area. Once the project is complete, post-construction flow monitoring will be performed to measure the effectiveness (reduction in I&I) of the project.

NapaSan staff has performed public outreach on the project and conducted site visits to review the details of the work that will be performed on their property. Each property owner will be required to sign a right-of-entry prior to work being performed. The Contractor will perform a video inspection of each upper lateral within the project area

prior to rehabilitation. If a right-of-entry is not granted, or if a lateral is found to be unsuitable for rehabilitation, NapaSan will remove the property from the project. It is anticipated that all property owners will sign a right-of-entry. Staff will perform construction management and inspection of this project.

**SUPPORTING DOCUMENTS**

- A . Bid Results
- B . Area Map

Napa Sanitation District: Approve

Reviewed By: Andrew Damron