



Agenda Date: 3/1/2017  
Agenda Placement: 8D

## Napa Sanitation District Board Agenda Letter

---

**TO:** Honorable Board of Directors

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

**REPORT BY:** Matthew Lemmon, Associate Engineer - 707-258-6004

**SUBJECT:** Award Construction Contract for the 2017 Collection System Rehabilitation Project (CIP 17708)

---

### **RECOMMENDATION**

Award the construction contract (base bid plus bid alternate) for the 2017 Collection System Rehabilitation Project (CIP 17708) to K.J. Woods Construction, Inc. for the bid amount of \$4,728,000 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

### **EXECUTIVE SUMMARY**

On February 14, 2017, the District received 4 bids for the 2017 Collection System Rehabilitation Project (CIP 17708). The engineer's estimate of probable construction cost for the project was \$5,200,000. K.J. Woods Construction, Inc. is the lowest qualified bidder in the amount of \$4,728,000 which is 9% lower than the engineer's estimate.

The second lowest bid was submitted by Ranger Pipelines, Inc. in the amount of \$5,242,747 which is approximately 11% higher than the low bid. The high bid was submitted at \$7,007,635.

The project is comprised of a base bid and bid alternate. The bid alternate was created due to staff's concern that, depending on the bidding climate, the total bid price could potentially exceed the project budget. The base bid does not include rehabilitation of all the public laterals in the project area, but the base bid plus the bid alternate does. Since the bids received were competitive and the pricing was lower than expected, Staff recommends award of the total project. A summary of all total bids is attached.

Notice to Proceed is expected to be issued in March 2017 and construction is expected to begin in April 2017. The Contractor has 230 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 2016-2017 and the proposed FY 2017-2018 Capital Improvement Program.
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 2017-2018. 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. The City of Napa is scheduled to pave the streets within the project area in FY 2017-2018 and FY 2018-2019 so the project will become much more costly if it is performed after City paving.

Additional Information:

**ENVIRONMENTAL IMPACT**

The project was previously determined to be Categorical Exempt by the Board on January 11, 2017. A Notice of Exemption was filed with the Napa County Recorder on January 20, 2017.

**BACKGROUND AND DISCUSSION**

The 2007 Collection System Master Plan (CSMP) identified \$120 million in capacity expansion projects as a result of the high amount of Infiltration and Inflow (I&I) that enters the collection system. The CSMP recommended an I&I Reduction Program to remove I&I from the system as an alternative to conducting capacity expansion projects.

The I&I Reduction Program findings indicate that certain areas in the collection system contribute much higher I&I than other areas. The areas defined within the scope of this project are sources of significant I&I and are in need of rehabilitation. The project proposes to rehabilitate pipelines by pipe bursting, slip lining, cured-in-place pipe (CIPP) lining, and replace pipelines by open cut construction.

The general scope of the project includes the following:

- | 12,600 LF (2.4 miles) of sewer main will be rehabilitated through pipe bursting.
- | 1,800 LF (0.3 miles) of sewer main will be rehabilitated through slip lining.
- | 15,300 LF (2.9 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.

- | 260 LF (0.05 miles) of sewer main will be removed and replaced by open-cut construction to address issues that cannot be fixed by pipe bursting, slip lining, or CIPP lining.
- | 43 manholes or flush holes will be rehabilitated or replaced.
- | 610 lower laterals are included and will be rehabilitated through pipe bursting, CIPP lining, or replaced by open cut.

The project will include a total of 5.7 miles of pipeline rehabilitation/replacement (2.1% of the total system).

District 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