



Agenda Date: 10/2/2019

Agenda Placement: 8A

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors

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

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

**SUBJECT:** Approve the Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the 2020 Collection System Rehabilitation Project (CIP 19703)

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### **RECOMMENDATION**

Approve the Project, concur with staff's determination that the Project is categorically exempt, and authorize the General Manager to issue Notice Inviting Bids for the 2020 Collection System Rehabilitation Project (CIP 19703).

### **EXECUTIVE SUMMARY**

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. Many of the areas defined within the scope of this project are a source of significant I&I, and sanitary sewer overflows have occurred downstream of the project areas in recent years. The project proposes to rehabilitate pipelines by pipe bursting, cured-in-place pipe (CIPP) lining, and open-cut construction. There are five primary project areas: Pear Tree, Redwood Road, Jefferson Street, Old Sonoma Road Highway Crossing, and Browns Valley Road. See the attached project map for an overview of the project locations.

Each project area contains deteriorated infrastructure that is in need of rehabilitation for I&I or rehabilitation and replacement (R&R) purposes. The first phase of the Redwood Road and Pear Tree project areas were completed in 2018, with this project finishing up the remainder of the work. The Old Sonoma Road highway crossing is a priority for rehabilitation due to its condition and consequence of failure. The Pear Tree project area is located immediately upstream from Lake Park and the Browns Valley Road project area is located upstream from other locations where overflows have occurred during large wet weather events.

NapaSan's sewer rehabilitation program is structured to minimize negative impacts to pavement conditions whenever possible. Most project areas are on the City's upcoming Measure T or Local Streets paving schedules.

The general scope of the project includes the following:

- | 15,300 LF (2.9 miles) of sewer main will be rehabilitated through pipe bursting.
- | 14,400 LF (2.7 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 76 manholes and flush holes will be rehabilitated or replaced.
- | 340 laterals are included and will be rehabilitated through pipe bursting, CIPP lining, or replaced by open cut.

The project will include a total of 5.6 miles of pipeline (2.1% of the total system).

The engineer's estimate of probable construction cost for the project is \$5,800,000.

The contractor has 255 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in January 2020 and construction is expected to be complete by the end of October 2020. 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. Flow monitoring will be conducted in the Pear Tree, Browns Valley Road, and Redwood Road project areas where comprehensive rehabilitation will be performed for I&I reduction. Other project areas focusing on R&R will not receive flow monitoring.

Plans are available for review in NapaSan's Administrative Office and will be available at the NapaSan Board meeting on October 2, 2019.

### **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 20/21 Capital Improvement Program. The project budget is \$6,383,300.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will rehabilitate portions of the collection system that 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?	Yes
Future fiscal impact:	Construction will be completed in FY 20/21. Unused budget 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. Sewer mains that are nearing or have reached their service lives will continue to stay in service, requiring increased maintenance and emergency repairs. Streets that are scheduled for paving in the near future will be paved prior to sewer rehabilitation work.
County Strategic Plan pillar addressed:	N/A

Additional Information: None

### **ENVIRONMENTAL IMPACT**

Staff performed a preliminary CEQA review of this project and determined the project is Categorically Exempt. This project consists of rehabilitating and replacing existing sewer involving negligible expansion of capacity, which corresponds to Categorical Exemption 15302 (c) of the California Environmental Quality Act (CEQA) Guidelines. If the Board concurs with this determination, staff will file the attached Notice of Exemption.

### **BACKGROUND AND DISCUSSION**

None.

### **SUPPORTING DOCUMENTS**

- A . Notice of Exemption
- B . Project Map
- C . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy