



Agenda Date: 11/3/2021

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:** Approve the Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the 2022 Collection System Rehabilitation Project (CIP 21701)

---

### **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 2022 Collection System Rehabilitation Project (CIP 21701).

### **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 cured-in-place pipe (CIPP) lining. The primary project area is within the Vine Hill basin and additional project areas include the following: Cabot Way, Claremont Way, Brown St/Main St, and Summit Ave. 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 Vine Hill project area is upstream from the Raleigh/Trower overflow location and is noted in the 2021 Collection System Master Plan as the first priority for I&I reduction. The Cabot Way, Claremont Way, Brown St/Main St, and Summit Ave project areas have been identified as high priorities due to condition assessment results through NapaSan's asset management program.

NapaSan's sewer rehabilitation program is structured to minimize negative impacts to pavement conditions whenever possible. This project will be constructed almost entirely with trenchless technologies and will avoid conflicts with upcoming City paving projects.

The general scope of the project includes the following:

- 32,800 LF (6.2 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- 5 manholes and flush holes will be rehabilitated, replaced, or constructed.
- 867 laterals will be rehabilitated through CIPP lining or replaced by open cut construction.

Due to uncertainty surrounding construction costs given the current market conditions, staff has separated the project into a base bid and bid alternate in an effort to award as much work as possible within the budgeted amount. The project will include a total of 6.2 miles of pipeline (2.3% of the total system). The engineer's estimate of probable construction cost is \$5,670,000 for the base bid and \$300,000 for the Bid Alternate.

The contractor will have 267 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in January 2022 and construction is expected to be complete by October 2022. District staff will perform inspection of this project. After the project is complete, 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 Vine Hill project area 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 November 3, 2021.

### **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 21/22 and 22/23 Capital Improvement Program. The project budget is \$6,991,500.
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 22/23. 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.
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