



Agenda Date: 11/18/2020

Agenda Placement: 8B

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: Authorize the General Manager to Issue Notice Inviting Bids for the 66-inch Trunk Sewer Rehabilitation Project: Kaiser Road to SWRF (CIP 19701)

RECOMMENDATION

Authorize the General Manager to issue Notice Inviting Bids for the 66-inch Trunk Sewer Rehabilitation Project: Kaiser Road to SWRF (CIP 19701).

EXECUTIVE SUMMARY

The 66-inch trunk sewer conveys over 90 percent of collection system wastewater flow to NapaSan's Soscol Water Recycling Facility (SWRF). The trunk sewer is approximately three miles long and parallels the east side of the Napa River, extending from Imola Avenue to the SWRF. The trunk sewer was constructed in the 1960s and consists entirely of reinforced concrete pipe (RCP) without a protective coating.

Routine inspections of the trunk sewer conducted in 2012 and again in 2017 revealed significant concrete deterioration had occurred on the inside of the pipeline during those five years. In response, NapaSan initiated a physical condition assessment evaluation in late 2017, which indicated that portions of the RCP trunk sewer were structurally compromised and had exposed and corroded reinforcement. An additional condition assessment of the entire alignment was performed in early 2019. The 2019 condition assessment concluded with recommendations for a near-term structural rehabilitation project for the portion of the alignment south of Kaiser Road.

This project includes rehabilitation of approximately 1.3 miles of 66-inch diameter trunk sewer (0.5% of the total system) from Kaiser Road to the SWRF. The Project also includes rehabilitation/replacement of manholes associated with the trunk sewer rehabilitation, and installation of one new manhole that is required to install the cured-in-place pipe (CIPP) liner.

The engineer's estimate of probable construction cost for the project is \$11,600,000.

Staff anticipates opening bids in mid-January 2021 and awarding the construction contract in February 2021. The contractor has 228 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in February 2021 and construction is expected to be complete by October 2021.

Construction management for the project will be performed by a consultant and approval of the task order will be presented to the Board for approval at a future meeting.

Plans are available for review in NapaSan's Administrative Office and will be available at the NapaSan Board meeting.

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 20/21 Capital Improvement Program. The project budget is \$15,086,550.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The portions of the trunk sewer included in this project have reached the end of their service life and are in need of structural rehabilitation.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY 21/22. Unused budget from the current fiscal year will be carried forward into next fiscal year.
Consequences if not approved:	The risk of a structural failure along the trunk sewer will increase as deterioration continues to occur.
Additional Information:	The project will be financed by the sale of revenue certificates of participation. Authorization for further action related to financing is included on this agenda.

ENVIRONMENTAL IMPACT

NapaSan approved the project and adopted a Mitigated Negative Declaration on May 20, 2020 by Resolution 20-005.

BACKGROUND AND DISCUSSION

None.

SUPPORTING DOCUMENTS

A . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy