



Agenda Date: 12/6/2017

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: Matthew Lemmon, Senior Civil Engineer - 707-258-6004

SUBJECT: Approve the Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the 2018 Collection System Rehabilitation Project (CIP 18705)

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 2018 Collection System Rehabilitation Project (CIP 18705).

EXECUTIVE SUMMARY

The Inflow and Infiltration (I&I) Reduction Program findings indicate that certain areas in the collection system provided much higher I&I than other areas. The areas defined within the scope of this project are sources of significant I&I as shown by flow metering/monitoring, nighttime reconnaissance, and field review/surveys during peak flow periods. Through coordination with the City and the City's 5-year paving program, the District developed an I&I reduction project for calendar year 2018 that will be completed prior to street paving. The project proposes to rehabilitate pipelines by cured-in-place pipe (CIPP) lining and by open-cut spot repairs. Please reference the attached map for the project areas.

The general scope of the project includes the following:

- | 32,000 LF (6.1 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 25 manholes or flush holes will be replaced or rehabilitated.
- | 600 laterals are included and will be rehabilitated through CIPP lining or replaced by open-cut construction.

The project will include a total of 6.1 miles of pipeline (2.2% of the total system).

The engineer's estimate of probable construction cost for the project is \$4,800,000.

The contractor has 220 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in February 2018 and construction is expected to be complete by the end of October 2018. 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.

Plans are available for review in the District's Administrative Office and will be available at the District Board meeting on December 6, 2017.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 17/18 and 18/19 Capital Improvement Program. The project budget is \$5,084,000.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will rehabilitate a portion of the collection system that has been previously identified as a significant source 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?	Yes
Future fiscal impact:	Construction will be completed in FY 18/19. Unused budget in this fiscal year will be carried forward into next fiscal year.
Consequences if not approved:	The I&I within the project boundary 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:	

ENVIRONMENTAL IMPACT

Staff performed a preliminary CEQA review of this project and determined the project is Categorical Exempt. This project consists of rehabilitating and replacing existing sewer mains and laterals 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 . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy