



Agenda Date: 1/11/2017
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: Matthew Lemmon, Associate Engineer - 707-258-6004

SUBJECT: Approve the Project, concur with CEQA determination, and Authorize the General Manager to Issue Notice Inviting Bids for the 2017 Collection System Rehabilitation Project (CIP 17708)

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 2017 Collection System Rehabilitation Project (CIP 17708).

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. Through coordination with the City and the City's 5-year paving program, the District developed an I&I reduction project for calendar year 2017 that will be completed prior to street paving. The project proposes to rehabilitate pipelines by pipe bursting, cured-in-place pipe (CIPP) lining, or by open cut construction and replacing sewer lines within the project boundary. Please reference the attached map for the project areas.

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 or CIPP lining.
- | 30 manholes or flush holes will be replaced.
- | 600 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 (2.1% of the total system).

The engineer's estimate of probable construction cost for the project is \$5,200,000.

The contractor has 230 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in March 2017 and construction is expected to be complete by the end of October 2017. 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 January 11, 2017.

FISCAL IMPACT

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| Is there a Fiscal Impact? | Yes |
| Is it currently budgeted? | Yes |
| Where is it budgeted? | The project is budgeted in the FY 16/17 and 17/18 Capital Improvement Program. The project budget is \$5,322,000. |
| 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 17/18. 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 . Presentation Slides
- B . CEQA Exemption
- C . Project Map

Napa Sanitation District: Approve

Reviewed By: Timothy Healy