



Agenda Date: 2/15/2017
Agenda Placement: 7C

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

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

REPORT BY: Kyle Broughton, Associate Engineer - 258-6000 x530

SUBJECT: Approve the Project and Authorize the General Manager to Issue Notice Inviting Bids for the Soscol/Sousa Trunk Rehabilitation Project (CIP 17705)

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 Soscol/Sousa Trunk Rehabilitation Project (CIP 17705).

EXECUTIVE SUMMARY

This project will rehabilitate approximately 1,500 feet of 45-inch sewer mains constructed of reinforced concrete pipe in Soscol Avenue, Sousa Lane, and Burnell Street that are known to be in deteriorated condition. The project will rehabilitate these mains using the cured-in-place pipe lining method.

A map of the project location is attached.

The engineer's estimate of probable construction cost is \$800,000. The work will be completed in the dry weather season of 2017.

Plans are available for review in NapaSan's administrative office and will be available at the NapaSan Board meeting on February 15, 2017.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes

Where is it budgeted?	The project is budgeted in both the FY16/17 (\$500,000) and FY 17/18 (\$517,000) Capital Improvement Program since project costs are scheduled to occur during both fiscal years.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The project will rehabilitate large diameter trunk mains known to be corroded beneath a major public thoroughfare (Soscol Avenue).
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY17/18 during the 2017 dry weather season.
Consequences if not approved:	The existing 45-inch reinforced concrete pipelines will remain susceptible to hydrogen sulfide corrosion and continue to degrade over time. Eventually, the existing reinforced concrete pipe will corrode to the extent that it is no longer structurally sound. Failure of these mains could result in significant sanitary sewer overflows and the potential for sink holes in Soscol Avenue, which would result in public health and safety impacts.

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 existing sewer mains 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

In 2012 and 2013 NapaSan performed a condition assessment of large diameter sewer mains. The inspection identified the mains included in this project needed rehabilitation due to hydrogen sulfide corrosion, which has degraded the reinforced concrete pipe material at the pipeline crown to the extent that the steel reinforcement bars are exposed. The proposed project rehabilitates these mains, originally constructed in 1968, to new condition with fully structural cured-in-place liners.

SUPPORTING DOCUMENTS

- A . CIP 17705 Notice of Exemption
- B . CIP 17705 Project Area Map

Napa Sanitation District: Approve

Reviewed By: Timothy Healy