



Agenda Date: 11/7/2018
Agenda Placement: 8A

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

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

REPORT BY: Robin D. Gamble Holley, Asset Management Analyst - (707) 258-6031

SUBJECT: Authorize the General Manager to Issue Notice Inviting Bids for the Browns Valley Trunk Project (CIP 14703), when Appropriate

RECOMMENDATION

Authorize the General Manager to issue Notice Inviting Bids for the Browns Valley Trunk Project (CIP 14703), when appropriate.

EXECUTIVE SUMMARY

NapaSan's 2007 Collection System Master Plan calls for a new sanitary sewer trunk line to be installed to serve the Browns Valley area. The project was also identified in NapaSan's previous 1988 Master Plan as well but Staff wanted to deplete all engineering solutions prior to installing a new trunk sewer. The purpose of the project is to alleviate capacity issues that have caused overflows in the collection system.

During large storms, the existing sewer mains surcharge which causes sanitary sewer overflows at the intersection of Pine and Monroe Streets which require a staffed pump around in wet weather. There are other locations in the system that are surcharged as well and are a threat for overflows.

The project will install approximately 3 miles of trunk sewer starting in Browns Valley Road near the interception of Thompson Avenue and will extend to the West Napa Pump Station on South Coombs Street near the interception of Imola Avenue.

The scope of the project includes the following:

- 1,500 LF (0.3 miles) of 48" diameter trunk main,
- 4,600 LF (0.9 miles) of 30" diameter trunk main,
- 2,000 LF (0.4 miles) of 24" diameter trunk main,
- 7,300 LF (1.4 miles) of 15" diameter trunk main,

- 60 Pre-cast manholes,
- Highway crossing of SR29 near Old Sonoma Road,
- Pavement overlay in a portion of Freeway Drive, and
- Trench paving.

Staff conducted extensive outreach for the project during the design phase and incorporated solutions to concerns into the design and contract. Outreach activities included community meetings with residents, individual meetings with businesses along the proposed pipeline route (including the Factory Stores), planning and coordination meetings with the City of Napa Public Works Department and Water Division, discussions and coordination with other stakeholders (including NVTA, Napa Recycling). Staff will continue outreach efforts throughout the duration of the project with the next effort starting after bid opening and before construction begins.

The engineer's estimate of probable construction cost for the project is \$18,680,000.

Staff anticipates issuing the Notice Inviting Bids in November with a bid opening in January and award of the construction contract in February. The contractor has 600 calendar days to substantially complete the project from Notice to Proceed. The Notice to Proceed is expected in late February 2019 and construction is expected to be completed by the end of October 2020.

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 the NapaSan's Administrative Office and will be available at the NapaSan Board meeting.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	This project is budgeted under CIP 14703 with \$5,0575,000 in FY18/19 with additional budget of \$15,225,000 projected through FY20/21 in the 10-Year Capital Plan. There is adequate funding in the budget for this project.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will alleviate system surcharging and reduce the potential for sanitary sewer overflows during the wet weather season.
Is the general fund affected?	Yes
Future fiscal impact:	This project is expected to reduce costs associated with handling sanitary sewer overflows and possible fines associated with an overflowing collection system. The project will also improve downstream capacity issue in the downtown area.
Consequences if not approved:	Collection department personnel will continue to devote time handling bypassing and sanitary sewer overflows, downstream capacity issues would continue, and the risk of overflows would not be diminished.
Additional Information:	The State Revolving Fund (SRF) loan application and environmental

documents were processed to include both the Browns Valley Trunk Project (BVT) and the West Napa Pump Station Project (WNPS). Due to the WNPS's projected energy savings the project qualifies for Green Project Reserve funding (GPR) which has a "loan forgiveness" incentive. It is anticipated that the projects will qualify for the maximum amount of "loan forgiveness" of \$4,000,000 based on an estimated combined project cost of BVT and WNPS of \$29,080,000. The estimated combined project cost includes construction of BVT and WNPS, planning, design, construction management, administration, and other associated project costs.

Also, due to a previous Board decision to pre-pay the interest on the SRF loan the loan will have 0% interest over the term of the loan which results in another \$4,000,000 savings over the term of the loan.

The estimated combined savings for GPR and pre-payment of interest for BVT and WNPS is \$8,000,000.

ENVIRONMENTAL IMPACT

NapaSan approved the project and adopted a Mitigated Negative Declaration on February 15, 2017 by Resolution 2017-006 which included rehabilitation of the West Napa Pump Station. NapaSan adopted an Addendum to the Mitigated Negative Declaration on February 28, 2018 by Resolution 2018-005 which included replacement of the West Napa Pump Station

BACKGROUND AND DISCUSSION

Work on the project began with an alignment study in 2014. Based on the results of the alignment study, the pipeline design started in 2016. NapaSan originally planned to start construction of the project in 2017 but extended the project design and outreach schedule to take advantage of SRF funding opportunities.

SUPPORTING DOCUMENTS

A . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy