



Agenda Date: 10/17/2018
Agenda Placement: 8E

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors
FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer
REPORT BY: Simon Kobayashi, Associate Engineer - 707-258-6030
SUBJECT: Award Task Order for 2019 Treatment Plant Improvement Project (CIP 18740) Design Services

RECOMMENDATION

Authorize the Purchasing Agent to execute Task Order No. 29 with Carollo to provide engineering design services for the 2019 Treatment Plant Improvement Project (CIP 18740) in the amount of \$178,550.

EXECUTIVE SUMMARY

The FY18/19 capital project has two components that should be constructed during the summer of 2019.

1. Chemical storage building and tank area repairs
2. Primary influent pipe rehabilitation

During initial planning and review of these components, NapaSan staff determined that the project should be constructed during the dry-weather flow season in 2019. The two project components are further described in the background section.

Carollo was selected as the most qualified firm to design the project due to their previously completed projects in the treatment plant. Under this Task Order, Carollo will prepare construction bid documents. The design will begin in October.

NapaSan staff will request that the Board approve the project in February 2019 for bidding. Construction is scheduled for summer 2019.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the 10-year capital improvement plan in the amount of \$1,275,000.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The existing assets need to be repaired or replaced and Carollo has previous design experience with these assets.
Is the general fund affected?	No
Future fiscal impact:	None.
Consequences if not approved:	Staff would design the improvements which would limit NapaSan's ability to complete other scheduled projects.
Additional Information:	None.

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The following is additional information about each project component:

1. Chemical Storage Building Repairs - *Repair and replace corroded and weakened concrete and concrete reinforcement in the foundation and sidewalls of the Chemical Storage Building as well as the hypochlorite chemical storage tank pads. Line containment areas with a protective coating to prevent corrosion of replaced concrete. Replace the corroded drain lines for the pump containment areas. Potentially replace the chemical storage tanks. The chemicals within the building are corrosive to concrete and metallic pipe. Repair of the concrete and piping is important for building safety and longevity. Newer materials will provide better chemical resistance and longevity.*
2. Primary Influent Pipe Rehabilitation - *Replace or rehabilitate the section of 36-inch reinforced concrete pipe between headworks and the gallery that is corroded and showing signs of advanced deterioration. The pipe was inspected during a system outage in summer 2018 while the section of pipe downstream was being replaced. This section of pipe is a critical asset because it does not have redundancy and a failure would result in the shutdown of the entire plant.*

SUPPORTING DOCUMENTS

- A . Task Order 29
- B . Presentation Slides

Reviewed By: Timothy Healy