



Agenda Date: 4/15/2020
Agenda Placement: 7D

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 the Pond Levee Maintenance Project (CIP 20707) Design Services

RECOMMENDATION

Authorize the General Manager to execute Task Order 31 with HDR Engineering, Inc. to provide professional services to design the Pond Levee Maintenance Project (CIP 20707) in the amount of \$287,375.37.

EXECUTIVE SUMMARY

This project consists of pond levee maintenance and replacement of pond transfer structures between Ponds 2 and 4 and Ponds 3 and 4. The pond levees need to be maintained on an intermittent basis due to differential settlement over time. The existing pond transfer structures are no longer serviceable and must be replaced to reliably operate the pond treatment system. The transfer structures between Pond 1 and Pond 2 and between Pond 2 and Pond 3 have already been replaced.

HDR Engineering was selected through a competitive procurement process as the most qualified firm to design the project. Under this Task Order, HDR will prepare construction bid documents. The design will begin in May 2020 and is scheduled to be completed by October 2020.

NapaSan staff will request that the Board approve the project in November 2020. Bidding and project awarding are anticipated during the winter of 2020/2021. Construction is scheduled for the dry weather season of 2021.

FISCAL & STRATEGIC PLAN IMPACT

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

Where is it budgeted?	This project is budgeted in FY19/20 of the current CIP and in FY 20/21 and FY 21/22 of the proposed CIP.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The project will provide critical maintenance on pond levees and transfer structures to meet operational requirements and maintain permit compliance.
Is the general fund affected?	Yes
Future fiscal impact:	Design work and subsequent construction will extend into future years.
Consequences if not approved:	Design will not begin and construction will be delayed.
Additional Information:	None.

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The pond levees require regular monitoring and maintenance to ensure their continued safe and sustainable operation. The project will increase elevation of certain levee segments and improve the ease of operability of the ponds themselves through replacement of failed transfer structures between internal levees.

The pond levees and transfer structures were originally built in 1967. The pond levees and transfer structures have been in service for over 50 years, and require accelerated maintenance. The replacement of the transfer structures was recommended as part of the 2011 Wastewater Treatment Plant Master Plan. The transfer structures have been replaced via two earlier projects in 2011 for structures between Ponds 1 and 2 and in 2019 for structures between Ponds 2 and 3. Sections of the pond levees have subsided since their initial construction. To combat this subsidence and maintain required levee heights, a similar pond levee maintenance project was constructed in 2006. This project worked on separate sections of the pond levees, and was also designed by HDR.

SUPPORTING DOCUMENTS

A . Task Order 31

Napa Sanitation District: Approve

Reviewed By: Timothy Healy