

MEMO

To: District Manager
From: Engineering Manager
Subject: May 2019 Engineering Department Monthly Report
Date May 29, 2019

Recommendation:

It is recommended that the Board of Directors review and file the Engineering Department Monthly Report for April 2019.

Projects in Construction:

Probation Tank Replacement: The construction of the Probation Tank is continuing. During this reporting period the contractor completed the trench repair in the access road and has begun work on the retaining walls and the tank foundation. Project completion is anticipated in October 2019.

Lompico PRV Replacement: Six PRV stations are being replaced in Lompico. The award letter has been sent to the Contractor. Once contracts, insurance and bonds are reviewed and approved; a Notice to Proceed letter will be issued and the Contractor can begin ordering parts and material for construction.

Projects in Design:

Lompico Tanks Replacement: The District has hired Schaaf and Wheeler to prepare plans, specifications and an estimate (PS&E) for the replacement of the Louis, Kaski and Madrone Tanks. System modeling has been completed and the required storage has been determined. Tank configuration, construction, environmental, and design issues and concerns have been discussed. 60% PS&E are due for review by District staff in June, 2019. The tentative completion date for the bid documents is September 2019 with bidding of the project slated for this Fall and construction starting Spring 2020 for the Kaski and Madrone Tanks. The construction of the Lewis Tank may be delayed due to a more complicated environmental review.

San Lorenzo Way Bridge: Santa Cruz Department of Public Works is working on plans to replace the San Lorenzo Way Bridge. District staff are working in concert with DPW staff to provide detailed plans and District specification for incorporation into the bid documents. This effort will ensure that water facilities constructed with the bridge are built to District standards.

Swim Tank: Plans, specifications and estimates for the construction of the Swim tank are temporarily on hold pending a constructability/feasibility review. The review should be completed soon and the findings will be included in next month's Engineering Report.

RFP/RFQ:

Bear Creek Wastewater Facilities: The District is currently soliciting proposals from qualified engineering firms to conduct an alternative analysis to evaluate three treatment alternatives designed to ensure compliance with the Bear Creek Estates Wastewater Treatment Facility waste discharge permit. Proposals are due May 31, 2019.

2019 Water Master Plan: The District is currently soliciting proposals from qualified firms to assist in the preparation of the District's 2019 Water Master Plan (WMP). This WMP update is intended to assist the District in system planning, identifying hydraulic deficiencies, and guiding the development of system improvement projects.

Other Projects:

Valley Gardens Subdivision: District engineering staff are reviewing hydraulic water model data and existing and proposed water facilities in the vicinity of the subdivision to determine the impacts the subdivision may have on the District's infrastructure. Once impacts have been evaluated, Engineering staff will provide recommendations to the District manager.

Glen Arbor Bridge Water Main Leak: The water main inside the Glen Arbor Bridge over the San Lorenzo River has developed a leak. Engineering staff are currently evaluating the original construction drawings and talking to Santa Cruz County DPW staff to determine if there is access into the bridge. If no access can be found, Engineering and Operations staff will work to find the most cost effective way to fix the leak. An update will be included in next month's report.