



COUNTY OF SAN MATEO
Inter-Departmental Correspondence
Public Works



Date: September 3, 2014
Board Meeting Date: October 21, 2014
Special Notice / Hearing: None
Vote Required: Majority

To: Honorable Board of Supervisors

From: James C. Porter, Director of Public Works

Subject: Memorial Park Water Treatment Improvement Project
[Project Number P23P4, Project File No. E4915000]

RECOMMENDATION:

Adopt a Resolution:

- A) Adopting the plans and specifications, including conformance with prevailing wage scale requirements, for the Memorial Park Water Treatment Improvement Project; and
- B) Authorizing the Director of Public works to call for sealed proposals to be received by Thursday, November 13, 2014 at 2:30 p.m. in the office of the County Manager/Clerk of the Board of Supervisors.

BACKGROUND:

On September 18, 2013, your Board adopted Resolution No. 072820, which approved the revised County of San Mateo budget for FYs 2013-14 and 2014-15. The Capital Projects budget included \$925,000 and \$462,000 for FYs 2013-14 and 2014-15, respectively, for the Memorial Park Replace Wastewater System and Potable Water System project, for a total of \$1,387,000.

Subsequent to this action and after initial project scoping, it was determined that separating the Wastewater and Potable Water System projects into two distinct projects was appropriate. The Potable Water System Project (Project) will occupy the same footprint as the existing water treatment plant, and will include work which does not require substantial environmental permitting; resulting in a shorter design and construction timeline. This is a maintenance type project that will replace an existing water treatment system essentially in-kind. Construction will take place during the Winter months and will require the potable water system be taken off-line during

construction. The potable water system will be operational by early Spring 2015 when Memorial Park (Park) usage increases.

DISCUSSION:

The Park pumps water from Pescadero Creek in accordance with existing water rights. The water is delivered to a water treatment facility, where the water is tested and treated to produce potable water. The treated water is then transmitted through a pipe and stored in above ground water storage tanks along Wurr Road for the water-supply needs of the Park.

The new water treatment plant will reduce maintenance and operating costs, provide remote monitoring, operation and diagnostics capability, improve overall system reliability, and treat water at the same capacity as the existing facility. The Project specifies a prefabricated water treatment plant, which can be installed in a shorter time frame to minimize the impact to the Park and its visitors. Additionally, the Project includes replacement of approximately 1,400 feet of existing water pipe that is in poor condition, with new 4 inch diameter plastic water pipe between the water treatment plant and the Park's water storage system.

County Counsel has reviewed and approved the Resolution as to form.

Approval of this action will contribute to the Shared Vision 2025 outcome of an Environmentally Conscious Community by replacing the water treatment plant and a portion of the water distribution system in order to continue to provide potable water to users of the park.

FISCAL IMPACT:

The estimated cost of construction is \$820,000 and has been included in the Capital Projects budget. The total cost of the Water Treatment Plant project, including design, construction management, permitting, and contingency is approximately \$1,200,000. The Project bid documents include two bid schedules: one for the water treatment plant installation and a second schedule for the water pipe installation. The bid documents have been structured this way to ensure that the water treatment plant portion of the Project can be completed within the allocated budget as it is of higher priority. The remaining funds will be used for the design phase of the wastewater system improvements.