



DATE: November 28, 2017

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Park Irrigation Pump Installation, Project 16-45 – Approve Plans and Specifications/Authorize Bids**

RECOMMENDATION

1. Approve plans and specifications for irrigation pump improvements at Cooper Park (Park Irrigation Pump Installation, Project 16-45), and authorize staff to advertise the project for bids.
2. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the project budget.

BACKGROUND

The irrigation systems in the City's neighborhood parks are fed from water mains in the adjoining streets. For many years, park irrigation systems used "Thompson Commander" irrigation heads. These heads were able to operate on lower water pressure and still provide adequate turf coverage. About 15 years ago, Thompson went out of business and since then, the irrigation heads by other manufacturers (Hunter, Rainbird, Toro, etc.) have needed at least 50 pounds per square inch (psi) of pressure to operate properly. The Parks Division measured the current water pressures as being between 30 to 40 psi at four parks: Bubb Park, Cooper Park, Stevenson Park, and Whisman School Park, which are insufficient to provide adequate irrigation coverage to all turf areas.

ANALYSIS

Plans and specifications have been prepared for installation of irrigation pumps at all four parks to increase pressure to a minimum of 50 psi for proper operation of the irrigation system. While there is sufficient funding for a pump at each park, additional work is required that was not anticipated when the original budget was prepared, including trenching, electrical conduits and conductors, and upsizing of electrical circuits.

Staff recommends soliciting bids for the work at Cooper Park and deferring construction on the remaining three parks pending a request for additional funding during the 2018-19 Capital Improvement Program process. Construction at the remaining three sites would have to be delayed anyway due to conflicts with ongoing construction work being performed by the Mountain View Whisman School District.

Schedule

Plans and specifications for the project are complete and available for viewing in the Public Works Department. If the recommended actions are approved, construction is expected to begin in February 2018 and be completed in April 2018.

California Environmental Quality Act

In accordance with the requirements of the California Environmental Quality Act, this project has been determined to be categorically exempt because the project consists of installing booster pumps to existing irrigation facilities that do not expand the use beyond the existing conditions.

FISCAL IMPACT

The Park Irrigation Pump Installation, Project 16-45, is funded with \$253,000 from the Park Land Dedication Fund. The estimated project cost, including the design for all four park locations and construction at Cooper Park, is as follows:

Construction (including contingency)	\$147,000
Consulting Services	70,000
City Project Management	10,000
Construction Inspection and Testing	10,000
Miscellaneous	<u>550</u>
Subtotal	237,550
City Administration	<u>15,450</u>
TOTAL PROJECT COST	<u>\$253,000</u>

ALTERNATIVES

1. Defer construction.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting.

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