

AGENDA ITEM #: _____

DATE: December 2, 2019

CAR #: 2019-6813



CITY COUNCIL ACTION REPORT

SUBJECT: Well #26 and Raw Water Transmission Main Expenditure Authority

STAFF PRESENTER(S): Barbara Chappell, Deputy Public Works Director
Chris Hamilton, P.E., Senior Project Manager

OTHER PRESENTER(S): N/A

Summary: Authorize expenditures up to \$5,519,700 for all fees and costs for design, construction, and equipment for completion of the Goodyear Well #26 and Raw Water Transmission Main.

Recommendation:

Approve expenditure authority up to \$5,519,700 for all remaining fees and costs for design, construction, and completion of the Goodyear Well #26 and Raw Water Transmission Main.

Fiscal Impact: The total project budget of \$7,434,000 covers all fees and costs for the design, construction, and completion of the Well #26 and Raw Water Transmission Main and related improvements. It is funded from Water Bonds.

Total Project Budget	\$7,434,000
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<u>Previous Council Expenditure Authority</u>	
<u>Pre-Construction Services authorized on 9/27/18</u>	<u>\$1,914,300</u>

Remaining Budget	\$5,519,700
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The operating costs for this project will be requested in the FY2021 supplemental budget process in the water operating budget.

Background and Previous Actions

The city currently relies entirely on groundwater pumping to meet its physical water demands. A recent evaluation of the water distribution system determined that the system lacks sufficient redundancy in production, pumping, and storage capacity to meet current and future demands. The city has identified the need to increase the water supply in its portfolio to not only accommodate future growth, but to fill an immediate need to increase the firm supply (or supply

with the highest producing well offline) in order to at least meet the peak day demands.

The 2017 Well Siting Study identified an area proximate to the intersection of Yuma Road and Bullard Avenue as a potential well site. The city currently owns property north of Yuma Road and west of Bullard Wash that will accommodate the well site and is close to the Bullard Water Campus, minimizing extensive transmission main.

Raw water from the new well will be conveyed to the Bullard Water Campus via a new transmission main. The existing reverse osmosis (RO) facilities will receive upgrades to handle the increased treatment requirements. A strategy of blending and treatment will be employed to minimize RO treatment

Staff Analysis

This project is part of the proposed facilities incorporated in the Integrated Water Master Plan. The city is utilizing the Design-Build approach to bring the best available construction experience and expertise together to meet the budget and schedule challenges presented by this project. This contract will employ a Phased Delivery Approach.

On September 27, 2018, Council approved Phase 1 services include all engineering, design and cost-model development services to complete the design for all the improvements and includes construction services to drill and develop the new well.

The approval of expenditure authority for all remaining fees and costs for design, construction, and completion of Well #26 and the Raw Water Transmission Main allows staff greater flexibility to implement the construction activities. Staff will continue to review, negotiate and issue a Guaranteed Maximum Price (GMP) contract within the requested spending authority on an as-needed basis to ensure timely delivery of long-lead items as well as secure optimal pricing on volatile materials for Phase 2. Phase 2 will encompass permitting and regulatory assistance and all construction services for the improvements.

The construction drawings are 90% complete and are anticipated to be 100% complete in December 2019. Construction is scheduled to begin in February 2020 and expected to take approximately 12 months to complete. Staff will provide regular updates throughout this process.

Attachments

None