



Folsom City Council Staff Report

MEETING DATE:	9/28/2021
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10705 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design and Engineering Services During Construction for the Water System Rehabilitation Project No. 1
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 10705 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design and Engineering Services During Construction for the Water System Rehabilitation Project No. 1.

BACKGROUND / ISSUE

The Environmental and Water Resources Department has developed a water and wastewater infrastructure rehabilitation and replacement (R & R) program through water and wastewater master plans and ongoing condition assessment programs. Through these efforts, portions of the water and wastewater system in the City have been identified as needing rehabilitation or replacement. A comprehensive plan has been developed for the R & R of these aging systems, and much of this work has been completed in recent years. The projects identified and included within the Water System Improvements Project No. 1 include the replacement of the waterline serving Negro Bar State Park, replacing the upstream slide gate on the Willow Hill Dam, and rehabilitating the waterline on Rainbow Bridge.

In 2018, the Environmental and Water Resources Department completed a pre-qualification process for consultants for design and construction management services. The consulting firm Water Works Engineers, LLC was one of six design firms selected to provide design and

construction management services for various types of projects through the pre-qualification process. EWR staff evaluated the consultant submittals based on relevant project experience, the consultant's understanding of the background and requirements of the project, qualifications and experience of the consultant's design team, and previous work with municipalities. In addition, the Willow Hill Reservoir Valve Replacement Project included unique requirements of underwater diving services and the design of a temporary dam that will be needed for construction. Of the six consultants pre-qualified for design and construction management services, Water Works Engineers, LLC was selected because they have the only project team that can provide the underwater diving services and temporary dam design that are unique to this project.

This contract is for design and engineering services during construction related to the Willow Hill Reservoir Valve Replacement Project only. No additional cost for design or construction management services is being requested for the Negro Bar Waterline Rehabilitation Project, or the Rainbow Bridge Waterline Rehabilitation Project. These projects have been designed and constructed to date.

This resolution will authorize the City Manager to execute an agreement with Water Works Engineers, LLC for design and engineering services during construction for the Water System Rehabilitation Project No. 1 for a not-to-exceed amount of \$225,339.

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$62,014 or greater shall be awarded by City Council.

ANALYSIS

The engineering services for this project will be to develop bid documents to replace the existing slide gate on the upstream side of the dam at the Willow Hill Reservoir, which is required by the Division of Safety of Dams (DSOD). DSOD requires two working valves on the outlet pipe of the reservoir, one on both sides of the reservoir. Currently, the downstream valve on the outlet pipe is in working condition. However, the existing valve on the upstream side of the outlet pipe is no longer functional and needs to be replaced.

After further discussion between the City, Water Works Engineers, LLC, and DSOD, a design concept was agreed upon. This design will involve replacing the existing upstream valve in the current location. City staff is recommending the following scope of work:

- Project Management
- Diving Services
- Design Services
 - Coordination/Meetings with City
 - Develop 30%, 60%, 90% plans and specifications for review by the City and DSOD

- Final Bid Package (plans, specifications, bid quantities, final cost estimate)
- Construction Administration Services
 - Bid Support
 - Submittal Reviews/RFI Responses

This resolution will authorize the City Manager to execute an Agreement with Water Works Engineers, LLC for design and engineering services during construction for the Water System Rehabilitation Project No. 1 for a not-to-exceed amount of \$225,339.

FISCAL IMPACT

The Water System Rehabilitation Project No. 1 is included in the FY 2021-22 Capital Improvement Plan in the amount of \$2,345,138. Sufficient funds have been budgeted for and are available in the Water Operating Fund (Fund 520).

ENVIRONMENTAL REVIEW

An environmental opportunities and constraints analysis will be performed as part of the design process to ensure DSOD environmental compliance. The analysis will include a general approach to the environmental compliance process, including a recommendation for any California Environmental Quality Act documentation and identification, identification of potentially required regulatory permits, and a general mitigation strategy and cost estimate.

ATTACHMENT

Resolution No. 10705 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design and Engineering Services During Construction Administration Services for the Water System Rehabilitation Project No. 1

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 10705

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH WATER WORKS ENGINEERS, LLC FOR DESIGN AND ENGINEERING SERVICES DURING CONSTRUCTION FOR THE WATER SYSTEM REHABILITATION PROJECT NO. 1

WHEREAS, the City identifies projects that are critical to ensuring the delivery of adequate and high quality water supply to all residents and businesses; and

WHEREAS, the City of Folsom has identified the Willow Hill Reservoir Valve Replacement Project as a priority to maintain integrity and operation of the raw water system; and

WHEREAS, the City of Folsom will incorporate comments provided by the Division of Safety of Dams (DSOD) into the final design and environmental review; and

WHEREAS, Water Works Engineers, LLC by reason of their past experience and abilities for performing these types of services, are qualified to perform the required consulting services; and

WHEREAS, the agreement with Water Works Engineers, LLC will be in the amount of \$225,339; and

WHEREAS, the agreement will be in a form acceptable to the City Attorney:

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the City Manager to execute an agreement with Water Works Engineers, LLC for design and construction administration services for the Water System Rehabilitation Project No. 1 for an amount not-to-exceed \$225,339.

PASSED AND ADOPTED this 28th day of September 2021, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Michael D. Kozlowski, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK