



CITY OF FERNLEY

CITY COUNCIL AGENDA REPORT

Meeting Date: May 6, 2020

REPORT TO: Mayor and City Council
REPORT THRU: Daphne Hooper, City Manager
REPORT FROM: Dave Whalen, Public Works Director
REVIEWED BY: Brent Kolvet, Deputy City Attorney
REVIEWED BY: Denise Lewis, City Treasurer

FINANCIAL IMPACT:

Yes: No:

CURRENTLY BUDGETED:

Yes: No:

FUND/ACCOUNT:

510-166100

ACTION REQUESTED: Consent Ordinance Resolution Motion Receive/File

AGENDA ITEM: (Possible action) Amend the contract (dated 3/22/18) to AECOM for engineering services related to the canal outtake structure, pump station and pipeline final design to divert surface water from the Truckee Canal to the Water Treatment Plant (WTP), in an amount not to exceed \$22,970.

Agenda Item Brief: Supplemental work consists of the addition of a second mag meter facility for Truckee- Carson Irrigation District's (TCID) use at the request of the United State Bureau of Reclamation (USBR), and plan submittal to the Bureau of Safe Drinking Water (BSDW), Nevada Division of Environmental Protection. This is the second amendment to the original contract with AECOM for additional work.

Recommended Motion:

"I move to Amend the contract (dated 3/22/18) to AECOM for engineering services related to the canal outtake structure, pump station and pipeline final design to divert surface water from the Truckee Canal to the Water Treatment Plant (WTP), in an amount not to exceed \$22,970."

Business Impact (per NRS Chapter 237):

- A Business Impact Statement is Attached.
- A Business Impact Statement is not required because this is not a rule (term excludes vehicles by which legislative powers are exercised under NRS Chapters 271, 278, 278A, or 278B).

See attached report for background, analysis, alternatives.

ALTERNATIVES:

- 1.) City Council may decide to not approve the consent motion.

BACKGROUND:

City Council set water management as a top priority in the Water Fund starting in Fiscal Year 2015-16. For the Fiscal Year 2016-17 Council was presented with a revised list of water related priorities at the August 17, 2016 meeting. Water management continued to be a top priority in the Water Fund for Fiscal Year 2017-18. Additional discussions, meetings and analysis of the Water Treatment Plant operations brought to light some new and more accurate information as the City's needs have evolved in the last several years. The Water Team asked staff to bring a contract for analyzing the alternative for treatment of surface water (within the Water Treatment Plant ONLY) to City Council for approval. The analysis report prepared by CDM Smith (CDM) allowed City Council to have the appropriate information to make an informed decision on whether to proceed with improvements to provide treated surface water to its customers.

AECOM was approached to provide a proposal for the Preliminary Engineering Report (PER) and was selected from the City's Qualified Professionals List (QPL) for water resources engineering. This procedure of selection is necessary if grant funding is applied for in the future to assist with construction of improvements for surface water. The State Revolving Fund has drinking water grants available. In 2018 staff submitted the surface water conveyance project to the SRF for application and is ranked on the 2020 Priority Report for funding.

The PER done by AECOM evaluated alternatives and provided recommendations for a preferred route alternative regarding delivering surface water to the Fernley Water Treatment Plant. As of April 2017, the City of Fernley is established in the TROA program and can establish Fernley Municipal Credit Water in upstream reservoirs operated under TROA. Conditions for use of the Surface Water have been set forth in the 2009 Settlement Agreement between the City and BOR.

Fernley City Council awarded AECOM a contract for the surface water conveyance project on March 21, 2018 to provide 50% and 90% design documents, efficiency study, assistance with submittal of an Authorization Request to BOR, 100% design documents, advertising/bidding for construction and construction notice to proceed.

The City staff, with AECOM and outside legal counsel, have completed and submitted an SF-299 Request for Authorization to the US Bureau of Reclamation for use of the city's water rights in accordance with the terms of the 2009 settlement agreement. Source water testing continues to be conducted and data is being collected by WTP staff to further develop the plans for treatment plant modifications. City Staff anticipates this work will continue for the next 12 months for planning, engineering and beginning of construction.

The scope of work increased when the United States Bureau of Reclamation (USBR) asked for an additional meter for the Truckee Carson Irrigation District (TCID) to use at the point of diversion at the canal. The task included adding a second mag meter at the TCID canal and preparation of plans, technical specifications, and an opinion of probable construction cost for the addition. The plans and specifications were prepared in conformance with the City of Fernley Design Standards and included complete design of the interconnecting piping, mag meter, vault, telemetry and other pertinent appurtenances. The additional mag meter was requested by TCID operations staff and will be used to meter water deliver from the TCID canal to the City's water treatment plant. Supplemental work for Task 3.3 was verbally authorized by the City of Fernley on January 8, 2020 at the meeting with the USBR. Plans and specifications were finalized and submitted to the City and BOR for review on January 29, 2020.

Additionally, AECOM will submit plans and documents to the BSDW for review and approval and include emergency shutdown guidelines within the specifications for Contractor adherence. Included in the fee schedule is a \$300.00 application fee for BSDW submittal. These changes in scope are the cause for the Amendment 2.

Surface water makes up approximately 50% of the City's permitted water rights and is a key component of diversifying the City's water supply. The surface water conveyance project is necessary for sustainable growth in the community as outlined in the 2019 Water Resource Plan accepted by council.

PRIOR COUNCIL ACTION

January 20, 2016, FCC approve the contract for Surface Water Treatment Alternatives Analysis with CDM Smith in an amount not to exceed \$25,000.

December 7, 2016, FCC approved action with the information for Surface water treatment plant alternatives provided in CDM Smith, Inc. Water Alternatives Report and use budgeted funds to begin analysis of source water and planning/design of surface water improvements.

June 7, 2017, FCC approved the award of a contract to AECOM to perform a PER for evaluation of alternatives to convey surface water to the WTP.

March 21, 2018, FCC approved the award for contract for engineering services related to 50% and 90% design documents, efficiency study, assistance with submittal of an Authorization Request to BOR, 100% design document, advertising/bidding for construction and construction notice to proceed, in an amount not to exceed \$407,385.

August 17, 2019 FCC approved action to amend a contract to AECOM for engineering services related to the canal outtake structure, pump station and pipeline final design to divert surface water from the Truckee Canal to the Water Treatment Plant (WTP), in an amount not to exceed \$49,960. This amendment will expand the fees to \$457,345 to complete the design work. The contract amendment will also extent the term of the March 22, 2018 Contract for Professional Services to June 30, 2020 to complete the design and engineering services.

LEGAL IMPLICATIONS:

Nevada Statutes: NRS 445A, 533;

Other:

FINANCIAL IMPLICATIONS:

Per NAC 354.481, expenses charged to an enterprise fund more than the original budget appropriation are therefore allowable in accordance with NRS 354.612 and are not a violation of NRS 354.626 if:

1. The expenses do not cause a deficit in the equity balance of the fund; and
2. The budget is adjusted in a manner provided by law.

ATTACHMENTS:

- 1.) Professional Services Proposal – Addendum No. 2 from AECOM (SOW)
- 2.) Contract Amendment for Services to AECOM