



Town of Castle Rock

Agenda Memorandum

Agenda Date: 7/21/2020

Item #: File #: TMP 2020-491

To: Honorable Mayor and Members of Town Council

From: Mark Marlowe, P.E., Director Castle Rock Water

Resolution Approving a Construction Contract with Velocity Constructors, Inc. for the Well CR-81 Well Facility Project

Executive Summary

Castle Rock Water is seeking Town Council approval of a construction contract (**Attachment A**) with Velocity Constructors, Inc. (Velocity) for the Well CR-81 Well Facility Project. Well CR-81 is an old alluvial (renewable water) well that is located near the new Parks Service Center at the end of Caprice Street (**Attachment B**) that staff has identified as a potential new source for renewable water in our existing system. Castle Rock Water currently has thirteen alluvial wells in operation which provide approximately 0.8 million gallons per day of renewable water utilizing our native East Plum Creek water rights. This project consists of constructing a new metering and control facility and transmission pipeline. Velocity submitted the lowest responsive bid for a total construction cost of \$274,052. Staff also requests approval for a 10% Town-managed contingency of \$27,405, for a total project authorization of \$301,457.

Discussion

Based on the Water Resources Supply-Demand Model, the high population growth trend, and the last two summer water demand seasons, additional water supply is needed to keep pace with increased water demands and to firm supplies.

AL-81 is an alluvial well that is not in service currently. Recently, staff determined a viable and cost-effective solution to bring the well online if the inspection and testing results were favorable, which they were. The well is located near the new Parks Service Center. Older data suggests that the well may be able to produce 40 to 60 gallons per minute (gpm). The inspection and testing included a well video to determine the type of cleaning needed and a pumping test. The results of the well pumping test indicated that the well will produce approximately 45 gpm of alluvial water (renewable water) or 0.068 million gallons per day.

The original metering and control facilities for well CR-81 have been removed or are not operational. This project will construct a new metering vault, electrical service, and transmission pipeline to move the water to the CR-1 Diversion site, see **Attachment B**. CR Water staff will construct the new control cabinet and do the programmable logic controller (PLC) programming to integrate this facility

into the Town's supervisory control and data acquisition (SCADA) system.

The request for bids for the project was sent to six qualified contractors. Bids were received by three contractors, as summarized in the table below. The Engineer's estimate was \$315,000. The low bid was received by Velocity and is considered a responsive bid.

Consultant	Bid Amount
Velocity	\$274,052
T. Lowell	\$298,000
Global	\$315,000
Moltz	No Bid
C&L	No Bid
53 Corp.	No Bid

Budget Impact

Funding for this project is available in the approved 2020 Budget. The project will be funded from the Well Repair and Maintenance Account (Account No. 211-4375-443-40-37) which has \$39,073 available. A budget transfer of \$300,000 from the capital implementation plan (CIP) Operations and Maintenance account (Account No. 211-4375-443-40-90) will be executed to fund this project. Velocity's bid is \$274,052. Staff requests an additional \$27,405 (Town-managed 10% contingency) be authorized for a total project authorization of \$301,457.

<u>Project Account</u>	<u>Amount</u>	<u>Contingency</u>	<u>Total</u>
211-4375-443-40-37	\$274,052	\$27,405	\$301,457

Staff Recommendation

Staff recommends Town Council approval of the construction contract between the Town of Castle Rock and Velocity Constructors, Inc. for the construction for the CR-81 Well Facility Project in the amount of \$274,052 plus a 10% Town-managed contingency of \$27,405 for a total authorization of \$301,457.

Proposed Motion

"I move to approve the Resolution as introduced by title."

Attachments

Attachment A: Resolution
Exhibit 1: Contract
Attachment B: Map