

Item

Change Order - Water Treatment Plant - Replace High Serve Pump Controls Valves with Check Valves

Responsible Staff Contact

Josh Oberlander

Recommendations

Recommend accepting Change Order

Executive Summary

In this fiscal year, the City has already budgeted for removing and replacing the control valves for the two high service pumps. The existing pump control valves are antiquated and have caused some severe water hammer events when the water plant loses power.

Moreover, the existing control valves are at end of life and there is some significant concern that these pressure transients could cause a portion of the discharge piping to burst and flood the lower levels of the water plant. In other words, if the old control valves fail, the Water Treatment Plant would be rendered inoperable and the City unable to meet the summer consumption demand as discussed at the previous City Council worksession.

This threat to our City water production can be mitigated by expediting this project and getting the valves replaced as soon as possible.

In addition, Ramshorn is currently working on the discharge piping in the WTP basement immediately adjacent to where these valves are located. The removal and installation of the control valves is very similar to the existing scope of work for Ramshorn Construction. By including these check valves in a change order, in lieu of a separate project, the city can take advantage of money savings by not having a contractor re-mobilize for this work, and Ramshorn Construction currently has all the necessary equipment set up in the water plant to complete this work. The company would be able to leave its equipment in place and return when the equipment arrives. Currently the check valves have an estimated 16-18 week lead time.

Alignment to Strategic Goals and/or Other Plans

Strategic Plan : Provide sound infrastructure to our city's residents



CITY OF **DOUGLAS** WYOMING
HOME OF THE JACKALOPE.

Agenda Item Report City Council - November 28 , 2022

Budget/Fiscal Impact

Fund	Water Treatment Capital
Department	Public Works
Line Item Desc.	Improvements other than Building (31-5856-6544)
Project	WTP filter sand replacement
Amount	Original contract: \$790,350.00. Change order: \$75,640.91; Budgeted: \$75,000.00. Total contract: \$865,990.91

Action Requested/ Recommended Motion

Accept change order #2 for an increase of \$75,640.91 to install check valves to the high service discharge pumps. Making the final contract price with Ramshorn Construction in the amount of \$865,990.91. This will extend the final completion date to April 15, 2023. And furthermore, authorize the city administrator to sign all associated documents.

Reviewed/Approved

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|---|--|
| <input checked="" type="checkbox"/> Community Development | <input checked="" type="checkbox"/> Public Works |
| <input checked="" type="checkbox"/> Law Enforcement | <input checked="" type="checkbox"/> Legal |
| <input checked="" type="checkbox"/> City Administrator | <input checked="" type="checkbox"/> Finance |
| <input checked="" type="checkbox"/> City Clerk | |