



# City of Oregon City

625 Center Street  
Oregon City, OR 97045  
503-657-0891

## Staff Report

File Number: 19-117

**Agenda Date:** 2/20/2019

**Status:** Consent Agenda

**To:** City Commission

**Agenda #:** 8a.

**From:** Public Works Director John Lewis

**File Type:** Contract

### **SUBJECT:**

Change Order #4 for the 2018 Water System Improvements Project

### **RECOMMENDED ACTION (Motion):**

Authorize the City Manager to execute change order #4 for the 2018 Water System Improvements Project (CI 18-006).

### **BACKGROUND:**

Construction on the 2018 Water System Improvements Project began in January 2019. To date, there have been 3 change orders for the project.

Change Order (C.O.) #1 was necessary to cover the cost of a new requirement by the City that the Contractor add full restraint on all waterline joints, valves and fittings so that the piped network could withstand the internal hydraulic pressure to the maximum extent practical. Previously, full restraint was only required in portions of the pipe network where system pressures are over 85 psi. This change is consistent with changes other local jurisdictions have adopted and provide better assurances that work on these restrained pipelines can be conducted without the threat of dangerous blow off accidents. The cost associated with C.O. #1 was \$5,179.00.

C.O. #2 was required to replace an existing 4" fire line, including 2 new valves to a private residence located at 824 Center Street. The existing fire line was undocumented but discovered during construction. The cost associated with C.O. #2 was \$5,982.00.

C.O. #3 was required for construction of the Warner Street waterline. After exposing the existing waterlines revealed that there were no restrained joints or fittings on the existing system, it was determined that a pressure restraint in the form of a new concrete straddle block and tieback system were needed in order to complete the new system tie-in safely. The cost associated with C.O. #3 was \$2,251.00.

C.O.'s #1, #2, and #3 were authorized by staff and well within the approved signing authority.

C.O. #4 is comprised of 8 items, some increase and some decrease the contract price (see attached C.O. #4 for a detailed list and explanation of the items). The overall result of C.O. #4 is an increase of \$56,273.80 in overall contract price. The largest cost increase item is the added quantity for the rock excavation bid item on Center Street and 9th Street. Based on the

Geotechnical report that was prepared during the design phase, it was anticipated by the Consulting Engineer that a majority of the trench material removed during construction could be accomplished without having to employ "rock excavating equipment" and, therefore, the engineer's estimate for the bid quantity of this item was well under the actual quantity required to be removed. City staff, along with the consulting engineer, held a meeting with the contractor to come up with an agreed upon final quantity.

The total of all 4 C.O.'s is \$69,685.80, which is a 7.9% increase of the original contract price.

**BUDGET IMPACT:**

Amount: \$56,273.80

FY(s): 2018/19

Funding Source: Water Fund

Attachments: C.O. #1-4