



Gregory L. Geist  
Director

Board of County Commissioners  
Clackamas County

Members of the Board:

Approval of a Contract Amendment #2 with R.L. Reimers Company for the  
Tri-City Hypochlorite and NPW Pump Station Improvements Project

<b>Purpose/Outcomes</b>	Execution of Amendment #2 between Water Environment Services and R.L. Reimers Company for the Tri-City Hypochlorite and NPW Pump Station Improvements Project.
<b>Dollar Amount and Fiscal Impact</b>	Amendment #2 adds an additional \$184,870.26 for necessary changes for a total contract not to exceed \$2,142,664.94.
<b>Funding Source</b>	Capital Improvement : 639-01-20100-481020-P632227
<b>Duration</b>	Project completion is set for June 30, 2020.
<b>Previous Board Action</b>	Approval of the original Contract on May 23, 2019.
<b>Strategic Plan Assignment</b>	This project supports the WES Strategic Plan goal to provide properly functioning infrastructure that supports healthy streams and reduces flooding.
<b>County Review</b>	April 23, 2020
<b>Contact Person</b>	Jeff Stallard, 503-742-4694

**BACKGROUND:**

The Work under the original Contract will consist of, but is not limited to furnishing all labor, materials, and equipment necessary to construct a new bulk sodium hypochlorite storage and dosing system including demolition of the existing gaseous chlorine system and scrubber. Improvements to the disinfection system also include new chemical feed metering pump skids, new distribution piping to the chlorine contact basin, a new chlorine mixer system; and chlorine sampler and analyzers, as well as improvements to the existing sodium bisulfite system. The original Engineer's Estimate of Probable Construction Cost of the original design scope was \$2,300,000.

During construction of the Hypochlorite and NPW Pump Station Improvements project, there were three major scope additions:

1. Additional seismic improvements were required to bring the existing structure housing the disinfection system to current seismic code.
2. Spray nozzles and piping were added to allow spraying hypochlorite on the aeration basis when necessary
3. Several yard hydrants connected to the Nonpotable water system were no longer functioning and are being replaced so the yard hydrant system can take advantage of the pump capacity added during this project.

**PROCUREMENT PROCESS:**

This project was advertised in accordance with ORS and LCRB Rules on March 26, 2019. Bids were publicly opened on April 24, 2019, seven (7) bids were received: R.L. Reimers Co., \$1,947,575.00; Boede Construction, \$2,090,000.00; McClure & Sons, \$2,117,493.00; Slayden, \$2,120,000.00; James W Fowler, \$2,240,442.00; Stettler Supply, \$2,277,965.00; and TEK Construction, \$2,374,000.00. After review of the bids and all necessary documentation, R.L. Reimers Co., was determined to be the lowest responsive bidder.

**RECOMMENDATION:**

Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve and execute Amendment #2 between Water Environment Services and R.L. Reimers Company for the Tri-City WRRF Hypochlorite and NPW Pump Station Improvements. This amendment has a value of \$184,870.26 for a total contract amount not to exceed \$2,142,664.94.

Respectfully submitted,

Greg Geist, Director  
Water Environment Services

Placed on the \_\_\_\_\_ Agenda by the Purchasing Division

**AMENDMENT #2**

**TO THE CONTRACT DOCUMENTS WITH R.L. REIMERS COMPANY FOR THE TRI-CITY  
WRRF HYPOCHLORITE AND NPW PUMP STATION (BID 2019-26)  
CONTRACT # 1483**

This Amendment #2 is entered into between R.L. Reimers Company (“Contractor”) and Water Environment Services (“Owner”) and it shall become part of the Contract documents entered into between both parties on May 23, 2019 (“Contract”).

The Purpose of Amendment #2 is to make the following changes to the Contract:

1. Section 1. **Contract Price, Contract Documents and Work** is hereby amended as follows:  
There are an additional thirteen (13) line-item changes to the project that are attached as **Exhibit B** and hereby incorporated by reference. The net total for the changes is **\$184,870.26**. The total Contract Compensation shall not exceed \$2,142,664.94.

Original Contract	\$ 1,947,575.00
Amendment #1	\$ 10,219.68
<b><u>Amendment #2</u></b>	<b><u>\$ 184,870.26</u></b>
<b>Total Amended Contract</b>	<b>\$ 2,142,664.94</b>

2. Section 4. **Contract Dates** is hereby amended as follows:  
Notice to Proceed (“NTP”) was issued September 13, 2019.  
Substantial Completion is hereby changed from NTP + 230 days to **February 27, 2020**.  
Final Completion is hereby changed from NTP + 260 days to April 16, 2020 is hereby changed to **June 30, 2020**.

Except as expressly amended above, all other terms and conditions of the Contract shall remain in full force and effect. By signature below, the parties agree to this Amendment #2 effective upon the date of the last signature below.

R.L. Reimers Company  
3939 Old Salem Rd., Ste. 200  
Albany, OR 97321

Water Environment Services

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Title

\_\_\_\_\_  
Recording Secretary

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

118745-18 DBC / Oregon  
Oregon Business Registry Number

Approved as to Form:

\_\_\_\_\_  
County Counsel

\_\_\_\_\_  
Date

**EXHIBIT B**  
**SUMMARY OF ADDITIONAL CHANGES AND CHANGE ORDERS**

**Summary of Cost Changes for the Tri-City Hypochlorite and NPW Pump Station Improvement Project:**

1. CR -12.1 – The plans called for re-using conduit from the electric MCC down to the W3 pumps. The wire that was to be removed from this conduit was not able to be removed. This change addressed running new conduits from the MCC down to the 3W pumps. \$16,669.74
2. CR- 13 – The Lighting in the hypo Pump Room and the Electrical Room was darker than anticipated. The proposed solution was to relocate the lights closer to the ground where HVAC was causing interference and the replace the LED unit with a brighter unit. The Original LED units have been turned over to WES and WES staff will install these elsewhere in the plant. \$6,364.39
3. CR-14 – The original plans did not show a circuit to supply electric to the Tepid Water heat trace. This change included running the circuit, conduit, and wiring to supply power to this heat trace. \$993.27
4. CR-15 – The design didn't include any secondary chlorine dosing points, and Operations has determined a desire for placing spray nozzles at the aeration basin bridges. \$45,837.32
5. CR-16 – During excavation necessary to address the replacement of the conduit to the CAS pump Station (see Item 12 above), there were corroded elbows found. These elbows were replaced while they were exposed and available to provide value to WES. \$747.32
6. CR-17 – The contract documents didn't identify several control wires necessary for flow switches and leak detectors. \$1,832.21
7. CR-18.1 and 18.2 – Many of the existing yard hydrants on our Non-Potable water system are no longer functioning or are at the end of their useful life. This change will provide replacement to the 13 hydrants identified as necessary to support plant operations. \$44,872.00
8. CR-19 – Additional steel installation to accommodate seismic improvement to building. It was assumed that the reinforcing steel in the CMU walls went all the way to the ceiling. This was found to be incorrect, and additional steel needed to be installed to retrofit the building to bring it up to current seismic code. Approximate Change will be \$50,520.24
9. CR-20 – Additional wall clips to accommodate seismic improvement to building. During design it was assumed that the reinforcing steel in the CMU divider wall went into the ceiling. This was found to be incorrect, and additional wall clips were needed to be installed to retrofit the building to bring it up to current seismic code. \$8,632.86
10. CR-21 – During construction, several locations within the tunnel area adjacent to the hypo samples was deteriorated and broken. This change directed the contractor to remove failed sections of concrete and replace them during other planned concrete pours. This work was completed on a T&M basis. \$6,956.31
11. CR-22 – COVID Cleaning of Construction Trailer – In order to ensure that the construction trailer was kept clean during the project, contractor provided cleaning company to disinfect and deep clean the construction trailer being utilized by construction management staff. This cleaning will be used as necessary to support construction at our facility. \$1,444.60

**Total Cost Change Amount: \$184,870.26**

**Schedule Adjustment**

With this additional scope, the contractor has requested a schedule extension through **June 30, 2020**.

**Revised Key Dates:**

- Commencement date: Date of this Notice To Proceed (NTP): September 13, 2018. **No Change**
- Substantial Completion = NTP + 230 days = January 15, 2020 (Revised to February 27th, 2020 with Amendment #1) **No change**
- Final Completion deadline = NTP + 260 days = February 14, 2020 (**Revised to June 30, 2020**)