



office memorandum

DATE: May 18, 2020

TO: Darrel Pyle, City Manager

THROUGH: Kenneth Komiske, Director of Utilities *KK*

FROM: Chris Mattingly, Capital Projects Engineer *CM*

SUBJECT: Water Treatment Plant Phase II Construction Improvements – Change Order No. 4 to Contract K-1617-121 w/ Enerfab Power & Industrial (fka Foley Company)

City Council Resolution R-1112-55 grants administrative authority to the City Manager to approve change order requests up to \$40,000 or 10% of contract amount, whichever is less, and subsequently report those approvals to the City Council. As part of the Water Treatment Plant Phase II Improvements currently underway, a change order is being requested by Enerfab Power & Industrial (fka Foley Company) in the amount of \$37,614.13. This change order has been reviewed and is being recommended by our consultant Carollo Engineers.

Attached is a Change Order Summary and quote for the following revisions:

- PCO44.1 – Changes to Sampling Plan and Wet Lab
- PCO78 – Admin Bldg Paving and Grading
- PCO81 – RFI #233 Trench for RW Chemical and Sample Piping
- PCO82 – Clearwell Tank Disinfection Deduct
- PCO83 – SCC2 – Replacement of the 20-inch Raw Water Vault Mitered 45
- PCO84 – Sampling Changes
- PCO86 – SH Backpressure Valve Changes
- PCO91 – Agreement to use zero quantities of various unit price bid items 6,7,8,10,11, and 14
- PCO92 – 6.5 MG Clearwell Scope Change Deduct

These items are further explained in Carollo's attached recommendation letter. Staff has reviewed the change order with Carollo to confirm that the items listed therein are acceptable. At this time, Staff recommends approval of the change order from Enerfab Power & Industrial (fka Foley Company) in the amount of \$37,614.13. Funding in the amount of \$262,645.68 is available in construction account number 31999939 46101 – Project WB0292.

Reviewed by: Anthony Francisco, Director of Finance
Kathryn Walker, City Attorney *KW*

Approved by: *Darrel Pyle*
Darrel Pyle, City Manager

CHANGE ORDER SUMMARY
 NORMAN UTILITIES AUTHORITY
 CITY OF NORMAN
 CLEVELAND COUNTY, OKLAHOMA

DATE: April 28, 2020

CHANGE ORDER NO.: Four (4)

CONTRACT NO.: K-1617-121

PROJECT: Norman WTP - Expansion/Rehabilitation Phase II

CONTRACTOR: Enerfab Power & Industrial (fka Foley Company)
7501 East Front Street, Kansas City, MO 64120

<u>Contract Time</u>	<u>Substantial Completion</u>	<u>Final Completion</u>
ORIGINAL:	<u>700</u> Calendar Days	<u>730</u> Calendar Days
PREVIOUS CHANGE ORDERS:	<u>209</u> Calendar Days	<u>209</u> Calendar Days
THIS CHANGE ORDER:	<u>35</u> Calendar Days	<u>35</u> Calendar Days
REVISED AMOUNT:	<u>944</u> Calendar Days	<u>974</u> Calendar Days

ORIGINAL START DATE:	<u>May 29, 2017</u>	<u>May 29, 2017</u>
ORIGINAL COMPLETION DATE:	<u>April 29, 2019</u>	<u>May 29, 2019</u>
PREVIOUS COMPLETION DATE:	<u>November 24, 2019</u>	<u>December 24, 2019</u>
NEW COMPLETION DATE:	<u>December 29, 2019</u>	<u>January 28, 2020</u>

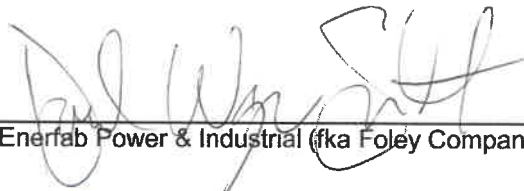
Contract Amount

ORIGINAL CONTRACT W/O ALLOWANCE:	<u>\$29,990,165.00</u>
CHANGE ALLOWANCE:	<u>\$0.00</u>
ORIGINAL CONTRACT:	<u>\$29,990,165.00</u>
PREVIOUS CHANGE ORDERS:	<u>\$562,785.22</u>
THIS CHANGE ORDER:	<u>\$37,614.13</u>
REVISED CONTRACT:	<u>\$30,590,564.35</u>

RECEIVED
 5-18-20

Item Description	\$ Increase	\$ Decrease
PCO 44.1 - Changes to Sampling Plan and Wet Lab	\$78,580.65	
PCO 78 - Admin Bldg paving and grading	\$20,785.05	
PCO 81 - RFI # 233 Trench for RW chemical and sample piping	\$12,247.91	
PCO 82 - Clearwell Tank Disinfection Deduct		\$6,595.31
PCO 83 - SCC2 - replacement of the 20" raw water vault mitered 45	\$10,270.81	
PCO 84 - Sampling changes	\$4,174.65	
PCO 86 - SH backpressure valve changes	\$2,254.04	
PCO 91 - Agreement to use zero quantities of various unit price bid items 6, 7, 8, 10, 11, and 14		\$80,325.00
PCO 92 - 6.5 MG Clearwell Scope Change Deduct		\$3,778.67

SUBMITTED BY
CONTRACTOR:


Enerfab Power & Industrial (fka Foley Company)

Date: 5-13-2020

RECOMMENDED BY
CONSULTING ENGINEER:


Carollo Engineers, Inc.

Date: 05-06-20

RECOMMENDED BY
CITY PROJECT MANAGER:


Chris Mattingly

Date: 5/18/20

APPROVED AS TO
FORM AND LEGALITY:


City Attorney

Date: 5/18/20

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:


City Manager

Date: 5-18-20

April 28, 2020

Chris Mattingly, PE
City of Norman
201 West Gray, Building C
Norman, OK 73069

Subject: Norman Water Treatment Plant Phase II Improvements
DWSRF Project No. P40-1020801-02, Norman Contract No. K-1617-121
Review of potential change order items

Dear Mr. Mattingly:

The purpose of this letter is to review 9 potential change order (PCO) items received. The potential change order proposals are attached to this letter with brief descriptions provided below. The recommended changes are summarized in Table 1 at the end of the letter.

PCO 44.1 – Changes to Sampling Plan and Wet Lab

The Work generally covers changes to the plant's sampling plan and wet lab samples. This includes new grab samples, chlorine analyzers, sample pumps, and sample piping to the wet lab. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$78,580.65 proposed as an addition to the Contract Price and 15 days added to the Contract Time.

PCO 78 – Admin Bldg paving and grading

The Work generally covers changes to paving and grading around the new Administration Building, Filter Building and UV Building. This includes additions of asphalt and sidewalk in new locations and removal of curb/gutters south of UV Building, among other changes. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$20,785.05 proposed as an addition to the Contract Price and 5 days added to the Contract Time.

PCO 81 – Trench for RW chemical and sample piping

The Work generally covers modifications to the chemical and sample piping from the Lime Building to the Raw Water Diversion Vault. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$12,247.91 proposed as an addition to the Contract Price and 2 days added to the Contract Time.

PCO 82 – 6.5 MG Clearwell Tank Disinfection Deduct

The Work generally covers a credit for the balance of work for the disinfection subcontractor to disinfect the 6.5 MG clearwell. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that

the City accept this credit of \$6,595.31 proposed as reduction to the Contract Price and no change to the Contract Time.

PCO 83 – Replacement of 20-inch SCC2 Raw Water mitered 45-bend

The Work generally covers the replacement of the existing 20-inch 45-degree steel bend for SCC2 inlet piping due to significant corrosion and pipe thinning. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$10,270.81 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO 84 – Chlorine sample pipe changes in the UV Building

The Work generally covers changes to sample piping and valves to chlorine analyzers in the UV Building. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$4,174.65 proposed as an addition to the Contract Price and 6 days added to the Contract Time.

PCO 86 – SH backpressure valve changes

The Work generally covers changes to the backpressure valves downstream of SH feed pumps. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$2,254.04 proposed as an addition to the Contract Price and 7 days added to the Contract Time.

PCO 91 – Agreement to use zero quantities of various unit price bid items 6, 7, 8, 10, 11, and 14

The Work generally covers a credit for the balance of remaining unit price quantities, with the exception of Bid Item 5 asphalt paving. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this credit of \$80,325.00 proposed as reduction to the Contract Price and no change to the Contract Time.

PCO 92 – Credit for removal of work to 6.5 MG Clearwell

The Work generally covers a credit for the balance of remaining work on the 6.5 MG clearwell drain valve and extension stem. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab is fair and equitable for addition of the Work. Carollo recommends that the City accept this credit of \$3,778.676 proposed as reduction to the Contract Price and no change to the Contract Time.

Change Order 4 Summary

Table 1 presents a summary of the potential change order proposals presented and discussed here. Carollo recommends that the City process a change order in the amount of \$37,614.13 with an increase in contract time of 35 calendar days.

Table 1: Change Order 4 Summary

Item Description	Change in Contract Amount	Change in Contract Time (Calendar Days)
PCO 44.1 - Changes to Sampling Plan and Wet Lab	\$78,580.65	15
PCO 78 - Admin Bldg paving and grading	\$20,785.05	5
PCO 81 - Trench for RW chemical and sample piping	\$12,247.91	2
PCO 82 - 6.5 MG Clearwell Tank Disinfection Deduct	(\$6,595.31)	
PCO 83 - Replacement of 20-inch SCC2 Raw Water mitered 45-bend	\$10,270.81	
PCO 84 - Chlorine sample pipe changes in the UV Building	\$4,174.65	6
PCO 86 - SH backpressure valve changes	\$2,254.04	7
PCO 91 - Agreement to use zero quantities of various unit price bid items 6, 7, 8, 10, 11, and 14	(\$80,325.00)	
PCO 92 - Credit for removal of work to 6.5 MG Clearwell	(\$3,778.67)	
Total recommended Change Order 4	\$37,614.13	35
Current contract value and time	30,552,950.22	939
Revised contract value and time	30,590,564.35	974

Chris Mattingly, PE
City of Norman
April 28, 2020

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Sincerely,

CAROLLO ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "Amber Wooten".

Amber Wooten, PE
Project Manager

Enclosures: PCO documentation

cc: Tom Crowley, Carollo