

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

DATE: May 22, 2020

CHANGE ORDER NO.: Five (5)

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>244</u> Calendar Days	<u>244</u> Calendar Days
THIS CHANGE ORDER:	<u>0</u> Calendar Days	<u>0</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>December 29, 2019</u>	<u>January 28, 2020</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>\$600,399.35</u>
THIS CHANGE ORDER:	<u>\$20,398.71</u>
REVISED CONTRACT:	<u>\$30,610,963.06</u>

Item Description	\$ Increase	\$ Decrease
PCO 87 - Ozone destruct skid grounding	\$3,617.68	
PCO 90 - Removal of signage in Administration and Filter Buildings		\$478.17
PCO 93 - GOX expansion joint modifications	\$5,687.05	
PCO 94 - SCC 3 and 4 PEC polymer injector replacements	\$9,099.57	
PCO 95 - Rebuild kits for UV sample pumps	\$2,472.58	

SUBMITTED BY
CONTRACTOR:


Enerfab Power & Industrial (fka Foley Company)

Date: 6-4-2020

RECOMMENDED BY
CONSULTING ENGINEER:


Carollo Engineers, Inc.

Date: 05-29-20

RECOMMENDED BY
CITY PROJECT MANAGER:


Chris Mattingly

Date: 6/22/20

APPROVED AS TO
FORM AND LEGALITY:


City Attorney

Date: 7/0/20

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:


City Manager

Date: 7-7-20

May 22, 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 5 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 87 - Ozone destruct skid grounding

The Work generally covers the installation of grounding wires for the ozone destruct skids and provides electrical protection for equipment and plant staff. 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 \$3,617.68 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO 90 - Removal of signage in Administration and Filter Buildings

The Work generally covers a credit for removing signage from the Administration and Filter Buildings. 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 \$478.17 proposed as reduction to the Contract Price and no change to the Contract Time.

PCO 93 - GOX expansion joint modifications

The Work generally covers modifications to the GOX expansion joints after the vaporizers to provide more flexibility to the piping system as it heats up and cools down. 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 \$5,687.05 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO 94 - SCC 3 and 4 PEC polymer injector replacements

The Work generally covers replacement of SCC 3 and 4 PEC polymer injectors with stronger and higher quality materials to resist vibrations in the process piping. 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 \$9,099.57 proposed as reduction to the Contract Price and no change to the Contract Time.

PCO 95 - Rebuild kits for UV sample pumps

The Work generally covers the replacement of damaged rebuilds kits for two UV Building sample pumps that were mistakenly run dry. 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 \$2,472.58 proposed as an addition to the Contract Price and no change to the Contract Time.

Change Order 5 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 \$20,398.71 with no change in contract time.

Table 1: Change Order 5 Summary

Item Description	Change in Contract Amount	Change in Contract Time (Calendar Days)
PCO 87 - Ozone destruct skid grounding	\$3,617.68	
PCO 90 - Removal of signage in Administration and Filter Buildings	(\$478.17)	
PCO 93 - GOX expansion joint modifications	\$5,687.05	
PCO 94 - SCC 3 and 4 PEC polymer injector replacements	\$9,099.57	
PCO 95 - Rebuild kits for UV sample pumps	\$2,472.58	
Total recommended Change Order 5	\$20,398.71	0
Current contract value and time	\$30,590,564.35	974
Revised contract value and time	\$30,610,963.06	974

Chris Mattingly, PE
City of Norman
May 22, 2020

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Sincerely,

CAROLLO ENGINEERS, INC.

Thomas O. Crowley, P.E.

Thomas O. Crowley, PE
Senior Vice President

Enclosures: PCO documentation

cc: Amber Wooten, Carollo