



office memorandum

DATE: March 20, 2020

TO: Darrel Pyle, City Manager

THROUGH: Kenneth Komiske, Director of Utilities *K Komiske*

FROM: Chris Mattingly, Capital Projects Engineer

SUBJECT: Water Treatment Plant Phase II Construction Improvements – Change Order No. 3 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 \$37,487.96. 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:

- PCO64 – Filter influent tie-in shutdown changes
- PCO68 – LOX piping horizontal loop supports
- PCO69 – Filter Building north stairs handrail
- PCO70 – Existing water line break at new Admin Building
- PCO71 – Drain for chemical trench between SCC1 and SCC2
- PCO72 – UV Building backdraft dampers
- PCO73 – SCC3 and SCC4 PEC injectors, tapping saddles, and push water
- PCO74 – Chemical trench transition and Recarb1 drain valve replacement
- PCO75 – SCC1 and SCC2 flow meter transmitter location
- PCO76 – PEA rotameter
- PCO77 – SCC2 vault demolition modifications

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 \$37,487.96. Funding in the amount of \$434,080.16 is available in construction account number 31999939 46101 – Project WB0292.

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

Approved by: *[Signature]*
 Darrel Pyle, City Manager

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

DATE: March 10, 2020
CHANGE ORDER NO.: Three (3)
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>205</u> Calendar Days	<u>205</u> Calendar Days
THIS CHANGE ORDER:	<u>4</u> Calendar Days	<u>4</u> Calendar Days
REVISED AMOUNT:	<u>909</u> Calendar Days	<u>939</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 20, 2019</u>	<u>December 20, 2019</u>
NEW COMPLETION DATE:	<u>November 24, 2019</u>	<u>December 24, 2019</u>

<u>Contract Amount</u>	
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>\$525,297.26</u>
THIS CHANGE ORDER:	<u>\$37,487.96</u>
REVISED CONTRACT:	<u>\$30,552,950.22</u>

Item Description	\$ Increase	\$ Decrease
PC064 – Filter influent tie-in shutdown changes	\$9,076.08	
PC068 – LOX piping horizontal loop supports	\$1,117.66	
PC069 – Filter Building north stairs handrail	\$6,514.77	
PC070 – Existing water line break at new Admin Building	\$7,986.13	
PC071 – Drain for chemical trench between SCC1 and SCC2	\$6,164.81	
PC072 – UV Building backdraft dampers	\$1,511.69	
PC073 – SCC3 and SCC4 PEC injectors, tapping saddles, and push water	\$19,388.33	
PC074 – Chemical trench transition and Recarb 1 drain valve replacement	\$1,209.39	
PC075 – SCC1 and SCC2 flow meter transmitter location	\$3,773.69	
PC076 – PEA rotameter	\$439.07	
PC077 – SCC2 vault demolition modifications		\$19,693.66

SUBMITTED BY
CONTRACTOR:


Eherfab Power & Industrial (fka Foley Company)

Date: 3-16-2020

RECOMMENDED BY
CONSULTING ENGINEER:


Carollo Engineers, Inc.

Date: 3-16-2020

RECOMMENDED BY
CITY PROJECT MANAGER:


Chris Mattingly

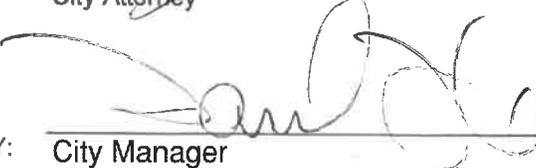
Date: 3/20/20

APPROVED AS TO
FORM AND LEGALITY:


City Attorney

Date: 4/1/20

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:


City Manager

Date: 4-3-20

March 10, 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 11 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.

PCO64 – Filter influent tie-in shutdown changes

The Work generally covers additional pipe replacement required due to corrosion of existing 36-FI piping and credit for alternative method of installation. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$9,076.08 proposed as an addition to the Contract Price and 2 days added to the Contract Time.

PCO68 – LOX piping horizontal loop supports

The Work adds three pipe supports on the horizontal loops of the LOX piping. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$1,117.66 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO69 – Filter Building north stairs handrail

The Work generally involves additional labor to adjust the northwest porch and stairs reinforcement (per DC 40) and add handrail. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$6,514.77 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO70 – Existing water line break at new Administration Building

The Work generally involves fixing an existing water line that broke during the project. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$7,986.13 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO71 – Drain for chemical trench between SCC1 and SCC2

The work generally includes installing a gravity drain in a new section of chemical trench. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by the Contractor is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$6,164.81 proposed as an addition to the Contract Price with no change to Contract Time.

PCO72 – UV Building backdraft dampers

The Work adds backdraft dampers to the UV Building HVAC system. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$1,511.69 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO73 – SCC3 and SCC4 PEC injectors, tapping saddles, and push water

Generally this work generally consists of adding PEC injectors and tapping saddles and UW push water for FES and PEC injections at SCC3 and SCC4 vaults. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Enerfab (Foley) Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$19,388.33 proposed as an addition to the Contract Price with increase of 2 days to Contract Time.

PCO74 – Chemical trench transition and Recarb 1 drain valve replacement

The Work involved replacing the Recarb 1 drain valve extension stem that was previously broken. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$1,209.39 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO75 – SCC1 and SCC2 flow meter transmitter location

The Work generally involves moving the flow meter transmitters to the top of the SCC 1 and 2 vaults inside an enclosure. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price and time proposed by Foley Company is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the \$3,773.69 proposed as an addition to the Contract Price and no change to the Contract Time.

PCO76 – PEA rotameter

The Work consists generally of providing rotameters on PEA system. Following a review of the Contractor's proposal, Carollo Engineers has determined that the price proposed by the Contractor is fair and equitable

for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the addition of \$439.07 to Contract Price with no change to Contract Time.

PCO77 – SCC2 vault demolition modifications

The Work consists generally of modifying the design of SCC2 to meet intent but avoid demolishing the vault. Following a review of the Contractor’s proposal, Carollo Engineers has determined that the price proposed by the Contractor is fair and equitable for addition of the Work. Carollo recommends that the City accept this response to this proposal and provide the deduction of \$19,693.66 in Contract Price with no change to Contract Time.

Change Order 3 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 \$ 37,487.96 with an increase in contract time of 4 calendar days.

Table 1: Change Order 3 Summary

Item Description	Change in Contract Amount	Change in Contract Time (Calendar Days)
PCO64 – Filter influent tie-in shutdown changes	\$9,076.08	2
PCO68 – LOX piping horizontal loop supports	\$1,117.66	
PCO69 – Filter Building north stairs handrail	\$6,514.77	
PCO70 – Existing water line break at new Admin Building	\$7,986.13	
PCO71 – Drain for chemical trench between SCC1 and SCC2	\$6,164.81	
PCO72 – UV Building backdraft dampers	\$1,511.69	
PCO73 – SCC3 and SCC4 PEC injectors, tapping saddles, and push water	\$19,388.33	2
PCO74 – Chemical trench transition and Recarb 1 drain valve replacement	\$1,209.39	
PCO75 – SCC1 and SCC2 flow meter transmitter location	\$3,773.69	
PCO76 – PEA rotameter	\$439.07	
PCO77 – SCC2 vault demolition modifications	\$(19,693.66)	
Total recommended change order #2	\$ 37,487.96	4

Chris Mattingly, PE
City of Norman
March 10, 2020

Page 4

Item Description	Change in Contract Amount	Change in Contract Time (Calendar Days)
Current contract value and time	30,515,462.26	935
Revised contract value and time	31,052,950.22	939

Sincerely,

CAROLLO ENGINEERS, INC.



Amber Wooten, PE
Project Manager

Enclosures: PCO documentation

cc: Tom Crowley, Carollo