

**CONTRACT CHANGE ORDER NO. 17**

CONTRACT AWARDED BY: Fresno City Council DATE OF AWARD: 11/20/2015  
PROJECT: Southeast Surface Water Treatment Facility  
P.O. NO: FRSNO-0000070070 PROJECT ID NO: WC000057 BID FILE NO: 3369  
CONTRACTOR: W. M. Lyles Co. of Fresno, California

*The Contractor is hereby requested to make the herein described changes from the Contract Documents or do the following described work not included in the plans and specifications on this contract. NOTE: THIS CHANGE IS NOT EFFECTIVE UNTIL FULLY EXECUTED.*

**Description of Requested Change:**

**I. CHANGES TO CONTRACT PLANS AND SPECIFICATIONS**

A. This Contract Change Order No. 17 incorporates the following: 1) Modify Gate 103 controls and pedestal; 2) Add SCADA switch between ozone and chlorine disinfection methods; 3) Calcium Hydroxide feed system modifications; 4) Constant Head box modifications; 5) Change reservoir outlet sample pump; 6) Add stairs at Filter/Sedimentation deck; 7) Add an ozone leak detection strobe; 8) Add seal water stations at horizontal pumps; 9) Modify control panels at CO2 system; 10) Add power supply at remote security cameras; 11) Offsite closeout adjustment; 12) Ozone fire alarm modifications; 13) Modify Switches on Local Control Panels; 14) Modify Surge System power supply; 15) Add dishwasher in Lab; 16) Lagoon 4 concrete slope replacement; 17) Ozone cooling water modifications; 18) Modify Raw Water injectors; 19) Polymer header modifications; 20) Site Fencing modifications per Fire Dept; 21) Not used; 22) Not used; 23) Not used; 24) Not Used; 25) Sewer maintenance agreement; 26) SCADA Allowance balancing; 27) Supplemental Work allowance balancing; 28) Bid Allowances 1A thru 1I balancing; 29) Electricity usage balancing; 30) Chemical usage balancing; 31) Water Production savings; 32) Construction water usage; 33) Final Bond Adjustment.

**II. CONTRACT PRICE**

A. This Contract Change Order No.17 results in a net DECREASE of \$1,015,444.00 to the Contract Price.

**III. CONTRACT TIME**

B. This Change Order No. 17 does not add any additional days.

STATEMENT OF CONTRACT PRICE		STATEMENT OF CONTRACT TIME		
Original Contract Price	\$ 158,766,000.00		Calendar Days	Contract Dates
Approved Cost Change Orders to Date	\$ 4,338,804.00	Contract Notice to Proceed		12/31/2015
Cost of this Change Order	\$ (1,015,444.00) See (Pg 2)	Calendar Days to Substantial Completion	910	
<b>Total of all Contract Cost Change Orders including this Change Order</b>	<b>\$ 3,323,360.00</b>	Calendar Days to Final Completion	1,000	
		Computed Date for Substantial Completion		6/27/2018
		Computed Date for Final Completion		9/25/2018
		Time Extension Days For Contract		
		Time Extension Days This CCO	0	
Net percentage change in Contract Price from original Contract Price	2.09%	Total Time Extension Days Previous CCO's	38	
		Total Time Extension Days To Date	38	
		Excess Inclement Weather Days To Date (Pg 3)	3	
		Suspended Work Days To Date	0	
		<b>Revised Substantial Completion Date</b>		<b>8/7/2018</b>
<b>Revised Contract Price</b>	<b>\$ 162,089,360.00</b>	<b>Revised Final Completion Date</b>		<b>9/28/2018</b>

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the price shown above.

Acceptance Date: September 27, 2018 Contractor: W. M. Lyles Co. of Fresno, California

Accepted By: [Signature] Kevin R. Shigematsu Title: Assistant Vice President

*If the contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work.*

**OWNER APPROVAL**

Submitted By: [Signature] Ben Carlisle, Construction Manager Recommended By: [Signature] Glenn Knapp, Project Manager Date: 9/27/18  
Authorized By: ☒ Supervising Professional Engineer [Signature] Dejan Pavic Date: 10/01/2018  
Approved By: ☒ Public Utilities Director [Signature] Michael Carbajal Date: \_\_\_\_\_  
Approved By: ☒ City Council Minutes of Meeting Dated: \_\_\_\_\_

(Council approval required if change order or total change orders exceed 10 percent of contract price or if individual change order exceeds Fresno City Charter limit or Section 33422 Health and Safety Code for Agency contracts.)

**Southeast Surface Water Treatment Facility  
CONTRACT CHANGE ORDER NO. 17  
Change Order Details**

<b>Items</b>	<b>Description<sup>1</sup></b>	<b>Amount</b>	<b>Time</b>
1	RFP 092: This item modified the entrance gate 103 controls and relocated the pedestal to create adequate clearance ( COP 119 DC-88 & 97, RFI-417).	\$ 25,890.00	0
2	RFP 093: This item added a primary disinfection switch on SCADA to enable switching between chlorine and ozone disinfection methods (COP 129, DC-110).	\$ 2,200.00	0
3	RFP 094: This item added a redesigned and rebuilt Calcium Hydroxide feed system that was more reliable than what was originally designed (COP 141, DC-102).	\$ 92,784.00	0
4	WCD 019: This item modified the Constant Head Box to avoid damage to the pumps and reroute treated water vent to mitigate air entrainment (COP 142, DC-102).	\$ 36,088.00	0
5	RFP 095: This item replaced the 1/2 horsepower sample pump at the TW Reservoir outlet vault with a full 1 horsepower pump to provide sufficient power to the sample sink for lab work (COP 143, DC-117).	\$ 2,512.00	0
6	RFP 096: This item added stairs at the Filter/Sedimentation deck, per owner's request (COP 144, DC-118).	\$ 9,436.00	0
7	RFP 097: This item added ozone leak detection strobes to meet safety requirements (COP 145, RFI 434).	\$ 2,895.00	0
8	RFP 098: This item added seal water lines to the seven centrifugal pumps to lubricate the bearings and avoid overheating (COP 146, DC-93).	\$ 49,564.00	0
9	RFP 099: This item made modifications to the CO2 local control panels to enable communication with the SCADA system (COP 147, RFI-433).	\$ 7,618.00	0
10	RFP 100: This item added power supplies for the remote security cameras that required an upgrade to fiber optics due to distance (COP 148, RFP-10).	\$ 88,439.00	0
11	WCD 020: Offsite Closeout work including grading modifications, raising the AT&T vault at Olive, additional 240 LF of AC dike on Floradora, curb painting at Temperance and backfill of dike at Olive shoulder, (COP 149, FO-10).	\$ 25,259.00	0
12	RFP 101: This item added modifications to the Ozone fire alarm system to shut off the liquid oxygen (LOX) when the alarm sounds to meet safety requirements (COP 150, DC-121).	\$ 1,294.00	0
13	COR 045: This item adds and modifies the switches & Estops on the Local Control Panels (COP 151, DC-42).	\$ 7,582.00	0
14	RFP 102: This item added a power supply for the surge system dryers (COP 152, RFI-441).	\$ 9,692.00	0
15	RFP 103: This item adds a specialized Lab dishwasher that was not included in the specifications (COP 153, RFI-442).	\$ 7,484.00	0
16	WCD 021: This item is for removal and replacement of the concrete slope lining at Lagoon 4 (COP 154, FO-14).	\$ 27,064.00	0
17	WCD 022: This item is for modifications to the Ozone Cooling Water supply piping to allow use of utility water and avoid overheating (COP 155, FO-16).	\$ 9,554.00	0
18	WCD 023: This item is for modifications to the Raw Water Injectors, start up and optimization (COP 156, FO-18).	\$ 10,451.00	0
19	WCD 024: This item is for the connection of the Polymer Header between the Anionic and Cationic systems to provide for more flexibility (COP 157, FO-17).	\$ 1,945.00	0
20	WCD 025: This item is for site fencing modifications and bollards to meet compliance requirements of the Fire Department (COP 158).	\$ 18,331.00	0
25	RFP 104: This item is a credit requested by the City for the sewer maintenance agreement in exchange for acceptance of non compliant work in place. (NCN-6)	\$ (41,000.00)	0
26	RFP 105: This item was established in Change Order 5 to add Supervisory Control and Data Acquisition Integration (SCADA) allowance for this project as well as the Kings River Pipeline project. This change item deletes the unused allowance portion resulting in a credit to the City.	\$ (75,000.00)	0
27	RFP 106: Supplemental Work Allowance -This item was established in Change Order 1 for completion of authorized extra work in accordance with the Standard Specifications. Substantial Completion for the project has been recorded as 8/7/2018 and project work has been completed. This item is being deleted from the Contract.	\$ (1,000,000.00)	0

28	RFP 107: Bid Item No. 1A through 1I Allowance Items - A separate allowance was established for each of the following: Mediator, Laboratory Equipment, Maintenance Bldg. Furniture, Maintenance Bldg. Shop Equipment, Process Controls & Instrumentation Tools & Spare Parts, Changes to SCADA Equipment, VOIP Paging System, Operations Bldg. Furniture, and Conference Room AV System. This change item deletes the unused allowance portions and adjusts each bid item resulting in a credit to the City.	\$ (142,636.00)	0
29	RFP 108: This item is a reimbursement for the electricity usage billed to the City during project start up.	\$ (355,125.00)	0
30	RFP 109: This item is a reimbursement for the chemical usage billed to the City during project start up.	\$ (222,929.00)	0
31	RFP 110: This item is worth half of the water production savings to assist the Contractor with the chemical and electrical usage costs.	\$ 360,000.00	0
32	RFP 111: This item is a reimbursement for the non-metered water usage billed to the City during construction.	\$ (40,000.00)	0
33	RFP 112: This item is the final bond adjustment for all change orders (CCO 1 through CCO 17) on this project.	\$ 65,164.00	0
		<b>\$ (1,015,444.00)</b>	<b>0</b>

**Adverse Weather Delay Days**

**Agreed Adverse Weather Delay Days (AWD)**

<b>Month</b>	<b>AWDs</b>	<b>Excess AWDs to be Applied to Contract Time</b>
Jan-16	0	0
Feb-16	0	0
Mar-16	2	0
Apr-16	0	0
May-16	1	0
Jun-16	0	0
Jul-16	0	0
Aug-16	0	0
Sep-16	0	0
Oct-16	1	0
Nov-16	0	0
Dec-16	3	0
Jan-17	7	0
Feb-17	7	1
Mar-17	0	0
Apr-17	2	2
May-17	0	0
Jun-17	0	0
Jul-17	0	0
Aug-17	0	0
Sep-17	0	0
Oct-17	0	0
Nov-17	0	0
Dec-17	0	0
Jan-18	0	0
Feb-18	0	0
Mar-18	0	0
Apr-18	0	0
May-18	0	0
Jun-18	0	0
Jul-18	0	0
Aug-18	0	0
Sep-18	0	0

**Total Excess AWDs at Completion**

**3**

\* The Contract requires an allowance of Adverse Weather Days in the amount of: 2016 -- 13 Days; 2017 -- 13 Days; and 2018 -- 9 Days. Agreed AWDs over these allowances are Excess AWDs.