City of FRESNO

DEPARTMENT OF PUBLIC UTILITIES
PROGRAM MANAGEMENT AND ENGINEERING OFFICE
2101 G Street, Building A, Fresno, CA 93721

RECHARGE FRESNO Securing Our Water Future

CONTRACT CHANGE ORDER NO. 3

CONTRACT AWARDED BY: Fresno City Council DATE OF AWARD: 2/16/2018

PROJECT: **Phase 2 Regional Transmission Main - Segments B & C**

P.O. NO: FRSNO-0000073385 PROJECT ID NO: WC00065 BID FILE NO: **3452**

CONTRACTOR: **Vido Artukovich & Son, Inc./VIDMAR, Inc. a JV**

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 Change Order No. 3 includes time and costs associated with: 1) Additional traffic control preparation, 2) Additional paving on Temperance Avenue, 3) Slurry under a storm drain on Kings Canyon Sta 911+02, 4) Delay in performing connection to RTM Segment A1, 5) Grading of Temperance Avenue, 6) Delayed start of pipe installation due to extended FID irrigation season, 7) Delays in pipe installation at Temperance and Kings Canyon, 8) Delays in filling RTM due to low system pressure in grid main, 9) Paving delays due to interagency coordination on Temperance and Kings Canyon, 10) Delays due to two shorted butterfly valve CP isolation flanges, 11) Additional detector loops at Temperance and Kings Canyon, 12) Replacement of specified blow-off uitlity box Sta 916+28, 13) Relocation of access manway and additional disinfection, 14) Repair of broken streetlight conduit on Chestnut, 15) Relocation of CAV isolation valve Sta 767+00, 16) Blown sand in casing pipe Chestnut and McKinley, 17) Remove and replacement of private irrigation pipe on Temperance, 18) Additional CAV at Chestnut and Dakota, 19) Additional enclosure for CAV at Chestnut and Dakota, 20) Pump Station connection at Chestnut and Winery, 21) Repair of broken Caltrans Conduit, 22) Dewatering of 24" storm drain and additional 33 LF 42" RTM, 23) Relocation of CAV on Kings Canyon

II. **CONTRACT PRICE**

A. This Change Order No. 3 results in a decrease of $154,421.66 to the contract price.

III. **CONTRACT TIME**

A. This Change Order No. 3 adds 141 additional days. 77 days are applied prior to Substantial Completion (resulting new Contract Substantial Completion date 6/14/19), 64 days are applied after Substantial Completion (resulting in a new Contract Final Completion of 11/3/19 calculated from Actual Substantial Completion date of 7/2/19).

STATEMENT OF CONTRACT PRICE

Original Contract Price	$	**11,490,484.00**
Approved Cost Change Orders to Date	$	214,754.53
Cost of this Change Order	$	(154,421.66) *See (Pg 3)*
Total of all Contract Cost Change Orders including this Change Order	$	60,332.87
Net percentage change in Contract Price from original Contract Price		0.53%
Revised Contract Price	$	**11,550,816.87**

STATEMENT OF CONTRACT TIME

	Calendar Days	Contract Dates
Contract Notice to Proceed		2/16/2018
Calendar Days to Substantial Completion	330	
Calendar Days to Final Completion	390	
Computed Date for Substantial Completion		1/11/2019
Computed Date for Final Completion		3/12/2019
Time Extension Days For Contract		
Time Extension Days This CCO	141	
Total Time Extension Days Previous CCO's	74	
Total Time Extension Days To Date	215	
Excess Inclement Weather Days To Date *(Pg 4)*	3	
Suspended Work Days To Date	0	
Revised Substantial Completion Date		**6/14/2019**
Revised Final Completion Date		**11/3/2019**

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: 12-4-19 Contractor: Vido Artukovich & Son, Inc./VIDMAR, Inc. a JV

Accepted By: Title: Managing Partner

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: Quentin Clark, Construction Manager Recommended By: Martin Wendels, Project Manager Date: 11/25/19

Approved By: ☒ Public Utilities Manager Dejan Pavic, PE Date: 12/10/2019

Approved By: ☐ Public Utilities Director 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.)

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Phase 2 Regional Transmission Main - Segments B & C
CONTRACT CHANGE ORDER NO. 3
Change Order Details

Items	Description	Amount	Time
1	COR 02.0 - Additional Traffic Control Plan Preparation. Traffic control plans provided in the bid plans did not fully address specific residential and business property access and transportation impacts. Preparation of additional traffic control plans were required in order to obtain City and County reviewing agency approvals.	$ 3,898.44	0
2	COR 012 - Additional Paving on Temperance. Pavement on Temperance Avenue adjacent to the RTM construction were damaged as a result of construction and were required to be replaced. It was observed that pre-existing pavement had both prior damage and no aggregate base (geotechnical report indicates the presence of aggregate base). Payment for additional pavement is made by increasing bid quantities and by using bid unit pricing (Bid Item 033 "Trench Resurfacing"), and this COR represents the associated additional time of paving.	$ 135,072.00	7
3	COR 013 - Slurry under storm drain not shown on plans located on Kings Canyon Sta 911+02	$ 1,133.56	0
4	COR 014 - Delay in performing connection of RTM Segment C to RTM Segment A1. Contractor was onsite and prepared to connect its pipeline to RTM Segment A1 as scheduled per the Contract Documents. However, the City UP&E Water Division forces were unable to achieve a tight shut down of the RTM Segment A1 main to facilitate the connection for four hours. Contractor and its crew remained on standby to complete the	$ 4,204.73	0
5	COR 015 - Grading of Temperance Avenue as required by County of Fresno	$ 6,268.38	1
6	COR 016 - Delayed start on RTM Segment B due to extended FID irrigation season. Specifications state FID season is expected to end on 8/31/18. Actual end of irrigation season was 10/14/18, resulting in a delay in start of pipe installation on Temperance Avenue of 44 days.	$ -	44
7	COR 017 - Delays in RTM pipe installation at Temperance and Kings Canyon. Agency (Caltrans, County of Fresno, and City of Fresno) requirements of traffic control and work sequence necessitated Contractor to work at night and to remove all traffic control during daytime operations, and that all excavations be covered by steel plates at the end of work shift. These requirements imposed work restrictions that were not anticipated within the Bid Plans and Specifications, and extended the work by 7 days.	$ -	7
8	COR 018 - Delays in filling RTM due to low system pressure at Temperance and Belmont. Filling the pipeline for testing and disinfection took an additional day to system pressure of 35 psi, which is lower than could have reasonably been expected by the Contractor at Bid.	$ -	1
9	COR 019 - Paving delays due to interagency coordination on Temperance and Kings Canyon. The County of Fresno reconsidered night-working hours for paving on Temperance and Kings Canyon the day before scheduled paving, which necessitated an additional week of coordination and rescheduling.	$ -	7
10	COR 020 - Delay due to two shorted butterfly valve cathodic protection isolation flanges. The repair of these electrical shorts began on 8/15/19 and concluded on 10/17/19	$ -	64

11	COR 021 - Additional traffic detector loops not shown on plans at Kings Canyon and Temperance. Pre-existing loops were embedded in conduit in the pavement and were not visible. Their existence could not have reasonably been forseen.	$ 10,105.89	0
12	COR 022 - Replace specified blowoff utility box 916+28 with traffic rated utility box per County of Fresno requirements	$ 5,272.63	0
13	WCD 004 - Relocating Access Manway and Additional Disinfection. Due to a conflict with fiberoptic utilities not shown on plans, the access manway that was needed for the connection of RTM Segment C to RTM Segment A1 had to be moved approximately 150 feet away from the connection location. Additional cost was incurred due to the extended 150' length of spray disinfection.	$ 1,995.27	0
14	WCD 008 - Repair Broken Streetlight Conduit on Chestnut. While excavating for the RTM, the Contractor broke an unmarked electrical streetlight conduit not shown on plans near the intersection of Chestnut Ave and Olive Ave (approximately Sta. 703+25).	$ 3,788.62	0
15	WCD 011 - Relocation of CAV Isolation Valve at Sta. 767+00 (Princeton and Chestnut) due to conflict with 2" gas main.	$ 1,352.05	0
16	WCD 012 - Blown sand in casing pipe, Chestnut and McKinley. The RTM was installed within a tunneled casing pipe underneath McKinley Avenue. Due to an omission in the plans, the space between the casing pipe and the RTM was empty. The engineer recommended that the space be filled with sand. A directive was issued to the Contractor to blow sand between the casing pipe and the RTM.	$ 14,544.55	0
17	WCD 013 - Removal and Replacement of Irrigation Pipe on Temperance. Contractor found unknown, active, private irrigation pipe on Temperance Ave (Sta 936+80 to 939+60). It was necessary to replace this irrigation pipe because of conflict with the RTM alignment.	$ 16,354.53	2
18	WCD 014 - Additional CAV at Chestnut and Dakota (time only. Cost previously added in CCO #2, Item 7)	-	1
19	WCD 014.1 - Enclosure for Additional CAV at Chestnut and Dakota. Cost of material.	$ 3,870.00	0
20	WCD 016 - Pump Station Connection at Chestnut and Winery. (time only. Cost previously added in CCO #2, Item 8)	-	3
21	WCD 017 - Repair Broken Caltrans Conduit	$ 3,234.54	0
22	WCD 018 - Dewatering of 24" Storm Drain and Installation of Additional Thirty-Three Feet of 42" RTM	$ 3,483.15	3
23	WCD 019 - Relocation of CAV on Kings Canyon (No Cost. Time Only)	$ -	1

	Bid Item Adjustments: Additions: Bid Item No. 05 - 42" Water Transmission Main Contract Increase $16,500 Bid Item No. 22 - Utility Locating Contract Increase $2,000 Subtractions: Bid Item No. 02 - Mediator Contract Decrease ($25,000) Bid Item No. 30 - CPTS Contract Decrease ($2,500) Bid Item No. 36 - Remobilization due to Heading Change Contract Decrease ($60,000) Bid Item No. 37 - Supplemental Account Contract Decrease ($300,000)	$ (369,000.00)	
		$ (154,421.66)	141