



**DEPARTMENT OF PUBLIC UTILITIES
PROGRAM MANAGEMENT AND ENGINEERING OFFICE**

2101 G Street, Building A, Fresno, CA 93721



CONTRACT CHANGE ORDER NO. 6

CONTRACT AWARDED BY: Fresno City Council DATE OF AWARD: April 21st 2016
 PROJECT: Friant-Kern Canal Pipeline Project
 P.O. NO: FRSNO-0000070590 PROJECT ID NO: WC000038 BID FILE NO: 3372-2
 CONTRACTOR: Mountain Cascade Inc.

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. 6 includes costs associated with the security alarm and additional rebar at the turnout structure, changes to piping and pipe supports at the Northeast Surface Water Treatment Facility (NESWTF), changes in road base material, changes to the pitot tube per Friant-Water Authority (FWA), standby excavator costs, replacement of trees, and CLSM backfill in Copper and Willow Avenues.

II. CONTRACT PRICE

- A. This Change Order No. 6 results in a net increase of \$185,457.34 to the contract price.

III. CONTRACT TIME

- B. This Change Order No. 6 does not add any additional days.

STATEMENT OF CONTRACT PRICE

Original Contract Price	\$	15,157,862.00
Approved Cost Change Orders to Date	\$	803,246.00
Cost of this Change Order	\$	185,457.34 <i>See (Pg 2)</i>
Total of all Contract Cost Change Orders including this Change Order	\$	988,703.34
Net percentage change in Contract Price from original Contract Price		6.52%
Revised Contract Price	\$	16,146,565.34

STATEMENT OF CONTRACT TIME

	Calendar Days	Contract Dates
Contract Notice to Proceed		5/31/2016
Calendar Days to Substantial Completion	440	
Calendar Days to Final Completion	500	
Computed Date for Substantial Completion		8/13/2017
Computed Date for Final Completion		10/12/2017
Time Extension Days For Contract		
Time Extension Days This CCO	0	
Total Time Extension Days Previous CCO's	0	
Total Time Extension Days To Date	0	
Excess Inclement Weather Days To Date (Pg 3)	96	
Suspended Work Days To Date	0	
Revised Substantial Completion Date		11/17/2017
Revised Final Completion Date		1/16/2018

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: 2/8/18 Contractor: Mountain Cascade Inc. Roger Williamson
 Accepted By: [Signature] Title: Executive 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: Gentry Karr Recommended By: [Signature] Date: 02/14/2018
 (Gentry Karr, Construction Manager) Randy Hoffman, Project Manager
 Authorized By: ☐ Public Utilities Water Division Manager Date: _____
 Michael Carbajal
 Approved By: ☐ Public Utilities Director Date: _____
 Thomas Esqueda
 Approved By: ☐ City Council Minutes of Meeting Dated: Not required

(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.)

Friant-Kern Canal Pipeline Project
CONTRACT CHANGE ORDER NO. 6
Change Order Details

Items	Description	Amount	Time
1	WCD 008: Based on the lack of complete information in the Contract Documents and the City's actual needs at the turnout control building, MCI is to install a door proximity switch and keyed bypass provided by the City. The switches will be wired to slot 2 channels 0 and 1, respectively, of the turnout control building ICP as indicated in the I/O list as a part of the response to RFI No. 110.	\$ 2,621.47	0
2	WCD 011: The current design has a misalignment with the proposed tie-in location for Well 185 at the Northeast Surface Water Treatment Facility. The current design requires the Contractor to tie into the valve that tee's off the existing line coming from Well 185. This connection point is 6'3" off station and 5 15/16" higher than the outlet on the 36"x 12" WS tee. Per this WCD, the Contractor is to provide costs for the additional materials to make this connection.	\$ 8,206.19	0
3	WCD 015: The current approved recycled Class II AB material which is acceptable base material under the AC on Foothill Lane will not make a suitable driveable surface for the shoulder due to dust concerns. Contractor is directed not to place the recycled AB material presently on site and use a recycled asphalt grinding.	\$ 10,950.09	0
4	WCD 016: This WCD is in direct relation to work work described in WCD 012. The purpose of this WCD was to hold the excavator on-site for improvements in Big Dry Creek. The contractor was going to move the equipment off-site because they are done with the equipment for other work. Standby costs were occured to keep the equipment on-site.	\$ 2,607.86	0
5	WCD 017: After conversations with USBR, the original pitot tube locations will no longer work. Only one pitot tube is now required, and the pitot tube is now longer than originally anticipated. At the currently location, there is not enough room to fit the pitot tube into the pipe. Therefore, the hole will now have to be located on the upper portion of the pipeline to allow for enough clearance.	\$ 1,121.11	0
6	WCD 018: Due to the high rain fall and the poor surface drainage on Willow Avenue in the vicinity of the FKCP pipeline the subgrade material became saturated causing the pavement to fail. The previously place subgrade and pavement which was place by the Contractor as per specification was removed. As there appears no changes will be made to the drainage at the intersection Of Willow and Copper before the next high rainfall event which will lead to flooding. The Contractor was directed to replace the subgrade material with CLSM to within 9 to 10 inches of finish grade. The pavement was place on top of the CLSM. The CLSM will resist infiltration by standing water into the subgrade and will prevent subgrade and pavement failures in the trench zone in the future. This action should prevent the City from having to make repairs to the pavement in the trench zone for the foreseeable future.	\$ 63,521.90	0
7	WCD 019: Similar situation existed in the trench zone on Copper Ave as was described for Willow Ave in WCD 018 (please review Change Item Description for WCD 018). The previously installed subgrade material and pavement was installed as per specification. The subgrade and pavement failure was not a result of poor workmanship by the Contractor. To correct the subgrade issue and to prevent the issue from reoccurring in the future, the existing pavement and subgrade material was removed by the Contractor. At the direction of the CM the Contractor replaced the subgrade material with CLSM to within 9 to 10 inches of finish grade. The pavement was placed over the CLSM, this process should prevent the need of the City to address any pavement issues in the future in this area. A county of Fresno inspector was present during the repair process.	\$ 88,513.88	0
8	WCD 024: Contractor had demolished two trees along Willow Avenue for pipeline construction. The City will be replacing these trees in lieu of the Contractor replacing them. Therefore, this WCD is for a credit for the trees.	\$ (300.00)	0
9	COR 015: Change order addresses the cost for the addition of re-enforcing steel (rebar) to a concrete slab at the intake structure. The contract drawing omitted a detail and call out for the rebar.	\$ 3,102.62	0
10	COR 017: The pipe support as designed was in conflict with nearby fittings. Contractor had to move the pipe support.	\$ 5,112.22	0
		\$ 185,457.34	0

Note 1: Complete backup information is attached to this Contract Change Order.

AF

Inclement Weather Delay Days

Agreed Inclement Weather Delay Days (IWD)

Month	IWDs	Excess IWDs to be Applied to Contract Time
May-16	0	0
Jun-16	0	0
Jul-16	0	0
Aug-16	0	0
Sep-16	0	0
Oct-16	0	0
Nov-16	0	0
Dec-16	17	4
Jan-17	31	31
Feb-17	28	28
Mar-17	31	31
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
Total Excess IWDs		96

*Baseline schedule included thirteen (13) IWDs. Agreed IWDs beyond the thirteen are considered excess.