



DEPARTMENT OF PUBLIC UTILITIES

CAPITAL IMPROVEMENT PROGRAM

LARGE CONSTRUCTION CONTRACTS

CHANGE STATUS REPORT

March 11, 2019
(Data through February 28, 2019)

Includes data for the following contracted projects:

Friant-Kern Canal Pipeline	WC00038-FKCP	Mountain Cascade Construction Co.
Kings River Pipeline	WC00057-KRP	Garney Construction Co.
Southeast Surface Water Tmt Facility	WC00057-SEWTF	W.M. Lyles Company
Regional Transmission Mains B/C	WC00065-RTMFD (Segments B&C)	Vido Artukovich & Son, Inc.
Recycled Water Transmission Main SW1B	TC00096-SW1B	Garney Construction Co.
Recycled Water Transmission Main SW1C	TC00096-SW1C	Garney Construction Co.
Recycled Water Transmission Main SW1C2	TC00096-SW1C2	Bill Nelson GEC, Inc.

Closed projects (data included in prior reports):

Water Storage Tank T-4	WC00061-TNK04	Mountain Cascade Construction Co.
Recycled Water Transmission Main SW1A	TC00095-SW1A	Floyd Johnston Construction Co.
Regional Transmission Mains A1	WC00065-RTMFD (Segment A1)	Mountain Cascade Construction Co.
Regional Transmission Mains A2	WC00065-RTMFD (Segment A2)	Floyd Johnston Construction Co.

The Enterprise Accountability and Oversight Act (adopted by City Council on February 26, 2015) and the Construction Management Act (adopted by City Council on May 21, 2015) provide for an Oversight Board to review and evaluate General Fund or Enterprise Capital Projects in excess of \$20 million.

This report summarized construction contract changes for all active Department of Public Utilities (DPU) Capital Improvement Projects valued at \$20 million or greater, and select other significant projects.

Construction Contract Change Item Descriptions (CID)

Project Name: **Friant-Kern Canal Pipeline Project**
 Project Number: **WC00038-FKCP**
 Data Date: **02/28/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$15,157,862	\$14,857,862	500
Approved Contract Change Orders:	\$929,515	\$929,515	96
		6.26%	
Current Contract Value:	\$16,087,377	\$15,787,377	596

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$929,515	96	\$0	\$694,310	\$0	0
Change Order Requests								
None								
Requests for Proposal								
None								
Work Change Directives								
None								
Change Orders								
CCO 001	Contract Change Order No. 1	WCD 001 -Excavation on Burrows: Contractor provided labor and equipment to support excavation of burrows per environmental permits. Cost increase of \$54,432.86.	\$54,433	0				
		RFP 001 -- Tracer Wire Credit: Design Engineer recommended that the tracer wire is no longer needed for this project. Cost credit of \$6,883.00	(\$6,883)					
		RFP 002 -- Access Vault Detail: Additional gravel was added to precast manholes as well as sump drain in order to be consistent with all Recharge Fresno Program projects. Cost increase of \$6,233.22.	\$6,233					
		RFP 003 -- Stilling Well Detail: The stilling well utility box at the diversion site was changed to larger configuration as the specified unit was too small. Cost increase of \$339.66.	\$339.66					
		RFP 004 -- Elimination of Pipe Joint Diapers: Contractor provided a credit to modify the exterior pipe joint corrosion protection to use additional depth CLSM backfill in lieu of hand placing cement mortar grout. Cost credit of \$124,397.00	(\$124,397.00)					
CCO 002	Contract Change Order No. 2	COR 001 - This change was initiated by the City to replace lights on the pre-cast building with LED versions and also to eliminate the alarm system which will be covered by a separate contract. \$2,358.71	\$2,358.71	0				
		COR 002 - This change for additional cable was a resultant of RFI 095 when it was determined the length of cable shown on the plans is not of sufficient length. \$9,116.35	\$9,116.35					
		COR 004 - This change is associated with all extra work associated with the corrections necessary to bring the fencing of the Leshar Property into agreement with the Leshar MOU including purchase of "split" red cedar posts, removal of previously install red cedar post and replacement with "split" red cedar posts as defined in the Leshar MOU. \$29,822.59	\$29,822.59					
		RFP 005 - This change implements grating manufacture Anvil International recommendation for additional welded steel support brackets at the edge of the grating were needed to provide a safe working platform for City workers. \$1,445.90	\$1,445.90					
		RFP 006 - This change adds conduits to provide the necessary connections to support radio communications between the NESWTF and the Friant Kern Canal turnout site. \$1,669.50	\$1,669.50					
		RFP 008 - This change modified the coating on small diameter pipe specials from epoxy to an industry standard asphaltic coating to expedite the fabrication and provide a credit to the City of \$11,068.75	(\$11,068.75)					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		RFP 012 - This change adds small diameter air relief vents in the pipe access manways to provide a long term means to support the City's future maintenance. \$19,757.72	\$19,757.72					
CCO 003	Contract Change Order No. 3	COR 003 - Due to extremely wet winter Garonne Road had to be used for construction access. Construction traffic severely damaged the existing pavement resulting need to repair road. A two inch AC overlay will be used to repair from construction traffic. Cost will be divided 60/40 between the City and Contractor. The City's share is 60%. \$38,700	\$38,700.00	0				
		RFP 011 - This change provides repairs to a section of private road (Foothill Lane and Old Clovis Ave) due to damage by construction. The environmentally permitted construction zone in this area provided insufficient space for the necessary construction activities, and MCI used the private road for access. \$25,500	\$25,500.00					
		RFP 007 - Contract specifications require the development of a paleontological monitoring and mitigation plan for the Project. A plan was prepared and called for on-site paleontological monitoring during certain phases of the Project. Specifications indicated that costs for paleontological monitoring, if required, would be paid by the Owner. \$23,454	\$23,454.00					
		RFP 010 - This change provides modifications to the Foothill Lane roadway replacement design in response to emergency service agencies requirements to include gravel shoulders for passing and a widened roadway section at the Auberry Road intersection. Gravel shoulder will be on one side and 7 feet wide. \$35,486	\$35,486.00					
		WCD 002 - This change provides weather related maintenance required to Foothill Lane temporary road to maintain safe access to residents and emergency responders. \$85,000	\$85,000.00					
		WCD 005 - Additional ventilation equipment was required for confined space entry to allow for inspection of the existing pipe that this project will be tying into. Existing pipeline was installed 10 years ago and has not been used. Contractor provided last-minute equipment for City inspection. \$3,755.50	\$3,755.50					
		WCD 006 - Additional costs associated with necessary changes in construction methods which were required due to inclement weather, including import of prepared cementitious backfill material (in lieu of on-site preparation) and reverse laying of ten 60-inch diameter pipe joints. Work was required to be completed during the wet season in order to meet schedule requirements associated with operation of adjacent Garfield Water District pipeline. \$72,500	\$72,500.00					
CCO 004	Contract Change Order No. 4	COR 007 - CTS Shutdown Equipment Impacts - The associated cost are relative to the ceased and desist order issued by the California Department of Wildlife and Fisheries in conjunction with the US Bureau of Reclamation as a mechanism for the preservation and protection of the California Tiger Salamander. Equipment was left unused during the order.	\$27,000.00					
		WCD 009 - NESWTF Redesign Total - This change is for costs associated with the recent redesign of water supply piping connecting the FKCP to the NESWTF plant. The purpose of the change was to provide the City with flexibility to feed the NESWTF from multiple sources simultaneously for improved water production reliability. WCD 009 supersedes WCD 003 REV1 Procurement of NE Redesign Materials and WCD 004 Procurement of Flow Meter Spool Pieces.	\$493,000.00					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 009 - Excess inclement weather days. MCI requested a total of 140 Inclement Weather Days (IWDs) through May 03, 2017. Parties agreed that a total of 109 IWDs are valid. Since the contract baseline includes an allowance of 13 IWDs, a total of 96 excess IWDs will be added to the contract time. The June/July 2017 Schedule Update incorporates the 96 excess IWDs as well as accurate activity status data through July 2017 including the time impacts of the contractor's claimed delay events. Both parties agree that the June/July 2017 Schedule Update shows full schedule recovery with 28 days of float. The contractor agrees that the June/July 2017 Schedule Update sets schedule Activity TEST 110- Pressure Test 60" and 42" Pipe to start on or before September 1, 2017. This will provide at least 30 calendar days to complete the activity and effect any necessary leak repairs (i.e. excavation to expose leaks) prior to the start of CTS breeding season on October 1, 2017.	\$0.00	96				
CCO 005	Contract Change Order No. 5	This change includes the items listed below which were negotiated on November 15, 2017 and included as one total cost: COR 005: Contractor requested change due to groundwater and what they claimed is incompetent subgrade to support installation of replacement RCP for the Garfield Water District (GWD) line. Initial installation by Contractor of piping with subgrade backfill (sand) as specified by GWD, failed. Contractor requested and received permission from GWD to remove specified subgrade backfill which had failed and replace with 3/4" crushed rock. Contractor seeking reimbursement for 3/4" crushed rock. Acceptance of this change includes MCI's waiver of all other claims associated with the Notice provided in MCI SL No. 013, Transmittal No. 149, Dated April 14, 2017. COR 008: PCO No. 014: Contractor requesting reimbursement for flooded work area during installation of intake structure in Friant-Kern Canal. Contractor claims storm water releases by USBR into Friant-Kern Canal exceeded 300 CFS. Specification required Contractor to design coffer dam to withstand 300 CFS releases into canal during construction. Contractor contends flows exceed 300 CFS on the date mentioned in PCO No. 14 and flooded the work area. COR 010: This request of change pertains to the presence of groundwater which the Contractor claims is not indicated in the Contract Documents near station 316+00. COR 012: Contractor had mobilized their paving subcontractor, CalValley, to complete paving through Change Order No. 004. CalValley had to demobilize per the request in the last item below. COR 013: Contractor requested extra compensation due to a change in the start date for work in the Friant-Kern Canal. COR 014: Compensation for an unmarked conduit found in the NESWTF zone.	\$14,250.00					
		COR 011: This change recognizes a changed condition caused by the presence of Tiger Salamander larvae in the work zone. Work was restricted, and additional work was required to build boxes around dewatering pumps such that the larvae would not be harmed.	\$1,773.00					
		Per Change Order No. 003, COR 003 and RFP 011, the contractor was authorized to repair private access roads (Old Clovis and Garonne Avenue) within or adjacent to the construction zone that have deteriorated during construction. The City is in the process of obtaining a waiver/release from the impacted Foothill residents authorizing the repairs and indemnifying the City and MCI from any further road related damage claims. However, the residents intend to make additional road repairs beyond what the City and MCI have agreed to do. This change modifies the scope of work by directing MCI to provide a single \$90,000 remittance to the residents' escrow account as named in the waiver/release documents and to not perform any remedial work as previously required. Once the \$90,000 remittance is made, MCI can bill the City \$65,000 as authorized by CCO 003.	\$0.00					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
CCO 006	Contract Change Order No. 6	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					
		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					
		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					
		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 occurred to keep the equipment on-site.	\$2,608					
		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					
		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.	\$63,522					
		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.	\$88,514					

Construction Contract Change Item Descriptions (CID)

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Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		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)					
		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.	\$3,103					
		COR 017: The pipe support as designed was in conflict with nearby fittings. Contractor had to move the pipe support.	\$5,112					
CCO 7	Contract Change Order No. 7	COR 016: This change covers the cost for the Contractor to remobilize to approximate pipeline Station 106+50. During initial work at this location, a high-voltage buried electrical cable was discovered that was not marked on the plans. The cable was in direct conflict with the pipeline and required relocation by PG&E. The relocation effort required approximately 6 months to accomplish. The additional cost associated with this change is to cover the cost of remobilizing equipment to the location as well as extra labor and equipment associated with out-of-sequence joint closures. The cost does not include the labor, materials, and equipment to perform original contract work.	\$32,910					
		WCD 014: This change adds repair of interior cement mortar lining of an existing 60-inch diameter pipeline. The new sections of the Friant Kern Canal Pipeline connects to both ends of the existing pipeline installed 10-years ago across the Clovis High School Campus. The City's inspection of the existing pipeline revealed numerous interior mortar lining deficiencies that required repair before the new pipeline was connected. The cost includes the labor, materials, and equipment required to repair the lining.	\$35,087					
		WCD 020: The change adds a prefabricated metal platform inside the meter vault to allow for safe access to a pitot tube flow measuring device. The US Bureau of Reclamation (USBR) uses the pitot tube to periodically verify the primary meter. The cost includes the labor, materials, and equipment required to provide and install the platform.	\$7,931					
		WCD 022: This change adds fencing at the lay down/ storage yard on Armstrong Avenue. The existing fencing which was removed or damaged during construction is to be replaced as per contract on the west, north and east sides of the yard. The new fencing is to tie into the existing fencing on the remainder of the property. The replacement fencing will be installed at the unit price as per the bid item for fencing.	\$2,040					
		WCD 023: This change is to furnish and install stainless steel banding for the pipe maker signs at the Northeast Surface Water Treatment Facility in replacement of the plastic cable ties which were provided with the signs. The specified plastic ties are not appropriate for long outdoor use.	\$1,180					
		WCD 025: This change is to replace a gate for a private property on Armstrong Avenue, which was found to be affected by the construction but not shown on the contract drawings to be replaced.	\$1,406					
		COR 013, COR 006a, COR 006b, WCD 013, and CITY INSPECTION OVERTIME: This item resolves the disputed costs associated with five change items: 1) COR 013 – Clean-out Trench from Stop Work Notice; 2) COR 006a – Nesting Birds in Work Zone (05/03/17 to 05/30/17); 3) COR 006b -- Nesting Birds in Work Zone (06/013/17 to 07/14/17); WCD 013 – NESWTF Buttstraps; and Reimbursement of City Inspection Overtime. The net result of this resolution is a \$145,000 cost increase to the Contract. A summary of each of the five items as follows:	\$145,000					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 013 – Clean-out Trench from Stop Work Notice: An environmental Stop Work Notice was issued on December 02, 2016 due to discovery of a CTS in the work zone. Environmental agencies required the shutdown to adjust mandatory exclusion fencing. The stoppage extended into a period of extreme weather, during which time the trench was flooded with mud. The Contractor was required to remove the mud (unsuitable soils), before backfilling. Contractor claimed this event was beyond their control.						
		COR 006a & 006b -- Nesting Birds in Work Zone (05/03/17 to 07/14/17): Nesting migratory birds were found within the work zone, and all activity was precluded within 150 feet in all directions. The Contractor had equipment within the exclusion area and could not proceed until the birds fledged. Within a few days of the first fledging, a new migratory bird nest was found. This amounted to a period of approximately 2 ½ months. Contractor claimed this event was beyond their control.						
		WCD 013 NESWTF Buttstraps: Contractor was required to connect newly installed pipe to an existing pipeline. The location shown on the Contract drawings was based on City records, and it was approximately 5-feet off in a horizontal direction. Extra work was required to make the connection. Contractor claimed this event was beyond their control.						
		Reimbursement of City Inspection Overtime: The Contract requires the Contractor to reimburse the City for all overtime charges for City Inspectors on the project. Contractor claimed that all City Inspection Overtime time may not be directly related to actual Contractor work.						
		RFP 015 - Contract Bid Item Adjustment: Additional potholing required which exceeded original number in the Bid Item. Contractor received approval from the Construction Manager to bill Bid Item 8 Pothole Existing Utilities for 15 additional pothole locations.	\$11,250					
		RFP 016 - Contract Bid Item Adjustment: Bid Item No. 13 - 60" Diameter Raw Water Pipeline - This change item deletes 22 linear feet of 60 inch diameter welded steel pipe, which was originally part of the quantity estimated in the bid documents. Substantial Completion for the project has been recorded as 11/17/2017, total quantities installed and payment amounts have been confirmed and necessary project work has been completed. Therefore, this Bid Item is being adjusted to provide credit to the City. Credit \$7,892.32	(\$7,892)					
		RFP 017 - Contract Bid Item Adjustment: Construction Manager, as allowed by the Bid Item, directed the Contractor to install additional gates as needed. The Construction Manager approved the Contractor to bill Bid Item 32, Access Drive Gate for Barbed Wire Fence, for an additional 8 gates based on field determination of need.	\$11,900					
		RFP 018 - Contract Bid Item Adjustment: Bid Item No. 38 - Supplemental Work - This item was established for completion of authorized extra work in accordance with Section 3, "Changes in Work", of the Standard Specifications. Substantial Completion for the project has been recorded as 11/17/2017, total quantities installed and payment amounts have been confirmed, and necessary project work has been completed. Therefore, this Bid Item is being deleted from the Contract. Credit \$300,000.	(\$300,000)					
DRAFT CCO 8	Draft Contract Change Order No. 8	Compensation for claims filed by Contractor as detailed in the Settlement Agreement.				\$742,000		0
		Bid Item No. 2 Mediator - Credit for unused Mediator allowance. Credit \$47,690				(\$47,690)		0

Construction Contract Change Item Descriptions (CID)

Project Name: **Kings River Pipeline Project**
 Project Number: **WC00057-KRP**
 Data Date: **02/28/19**

	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$45,583,750	\$45,083,750	575
Approved Contract Change Orders:	\$705,553	\$705,553	204
		1.56%	
Current Contract Value:	\$46,289,303	\$45,789,303	779



APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$705,553	204	\$0	(\$302,294)	\$3,670,047	66
Change Order Requests								
Claims							\$4,272,447	66
Requests for Proposal								
Credit Dispute 1	Placement of CLSM Over Pipe in Cobble Zone	Per the Contract Documents, the Contractor was to place CLSM a minimum of 1 FT over the top of pipe in the cobble zone area (eastern 17,000 FT of pipe). Through RFI 065 and RFI 071 the Contractor received permission to modify the trench backfill in regard to placing CLSM (slurry) to 1 FT over top of pipe. The methods approved in RFI 065 allowed the Contractor to reduce the amount of CLSM applied for trench backfill to springline (middle) of the pipe which is similar to areas outside of the cobble zone. This change reduced the applications (placement) of CLSM from 3 to 1 placement, which resulted in considerable saving in time and CLSM material.					(\$35,100)	
Credit Dispute 2	Credit - Treatment of Water in the Pipe of Sections 2, 3, and 4	Contractor requested by RFI relief from the specification requirement to treat and remove from three of the four sections of pipeline Sections 2, 3, and 4 (STA 180+22.65 to 671+47.10).The City agreed to allowed the Contractor to leave water in the pipe as requested. The total estimated volume of water was 1,388,260 cu ft. This change in scope save the Contractor time and reduced their water disposal costs. Contractor is provide the City with the cost of treating the water from Section 1 so the City can pro-rate the per volume and calculate the credit due for not treating and discharging the water in pipeline Sections 2, 3, and 4.					(\$43,900)	
Credit Dispute 4	County - Restoration of Driveway at 17281 Belmont	During construction the existing driveway located at 17281 Belmont was removed and replaced by the Contractor. The County has determined the replacement driveway is inhibiting surface drainage in the County Right-of-Way. The County requires the Contractor remove and replace the driveway to the proper elevation to restore the area surface drainage to it's pre-construction condition.					(\$11,100)	
Credit Dispute 6	Installation of Remaining Bollards	It was determined that a total of 257 bollards were purchased by the Contractor for this project of which 195 were installed, leaving 62 bollards uninstalled. The Contractor delivered the 62 uninstalled bollards to the City and will provide a credit for the labor and incidental material for the installation of the 62 bollards.					(\$20,700)	
Credit Dispute 9	County - AC Dike backing south shoulder of Belmont	The County of Fresno has deemed additional work by the Contractor is necessary to restore the County Right-of-Way along Belmont Avenue, west of Madsen to it's pre-construction condition. The County has requested that the Contractor remove the current Contractor placed AC dike backing material and replace the AC dike backing with AB base material and compact AB base material to the County standard.					(\$28,600)	
Credit Dispute 10	County - Installation and grading near the CID Lone Tree Crossing	The County of Fresno has determined that construction activity on the northside of Belmont Avenue, east of the CID Lone Tree crossing has inhibited surface drainage in the County Right-of-Way. The County has requested that the Contractor remove and replace a drainage culvert which was damaged by the Contractr during construction and perform necessary grading to restore the drainage ditch in this area to it's pre-construction condition.					(\$12,100)	

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
NCN 011	Repairs to City Sewer Line on Armstrong Avenue south of the intersection with Harvey Avenue. NCN 011	The cost associated with this RFP represent the estimated cost to repair one joint of the City of Fresno 8-inch sanitary sewer line which runs north to south in Armstrong Avenue. During the installation of the KRP pipeline in Armstrong Avenue the Contractor damaged the City's 8-inch sanitary sewer line which runs parallel to the KRP pipeline. This damage was found when the City's sanitary sewer maintenance crew inspected the sewer line with an internal video camera. The video inspection revealed several joints of sewer line with what appeared to be "pulled joints" and a reverse grade. Non-Compliance Notice 011 was issued for failure to protect existing facilities. The Contractor made the repairs noted in the original inspection video. A second video was conducted by the City to confirm the repairs had been made. In this video the City made mention of several joints of pipe to the south of the repair which appeared to have been deformed (egg shaped joints). The City's sanitary sewer maintenance personnel stated that the deformed pipe was a result of the Contractor activities during installation of the KRP pipeline or the repairs to the previously found damage. To determine if the sewer line was out of compliance a 7.25-inch diameter mandrel was pulled through the pipe from two directions. Each time the mandrel would not pass one joint of pipe at the same location. A second mandrel of 7-inches in diameter was obtained and this mandrel passed through the entire length of the pipe. The joint in question is out of compliance with City standard and requires repair.					(\$94,500)	
NCN 012	Inspection Time for Investigation and Repair on Non-Compliant compaction of backfill around and under appurtenances. NCN 012	This is a charge for the time spent by City Inspectors during the investigation of the compaction around the KRP appurtenances (Combination Air/Vacuum Releases and Blow-off structures) and the time required to inspect the rework of the non-compliant backfill. After construction was completed it was noted that the pavement in the road shoulders adjacent to some of the appurtenances was subsiding. The repair of these areas of subsidence revealed that the backfill had not be compacted as per specification. This lead the City investigate the compaction of the backfill around and under the appurtenances where the subsidence of the paved shoulders had been observed. This investigation found that the backfill around and under these appurtenance slabs was not per specification. The City investigated the compaction of all of the remaining appurtenances and found in almost all instances the backfill compaction was non-compliant. The Contractor was issued Non-Compliance Notice 012 and directed to correct the deficiency. The time required to inspect this rework is included in these costs.					(\$60,600)	
Washwater Pump	Traveling Screen Washwater Pump & Motor	This back-charge to the Contractor is a result of the Contractor's inability to address a punch list item and install the wash system for the KRP intake traveling screen to function as per their submittal. The costs are a result of the City's decision to removed this activity from the Contractor and to complete with City personnel. The amount represents the City's labor, materials, and equipment cost to correct the intake traveling screen wash water pump equipment and installation deficiencies.					(\$6,800)	
Insp. OT	Inspection Overtime	As per page 2.8 of the General Conditions regarding Overtime Inspection Fees, the Contractor shall pay for overtime inspection charges made for all inspections on Saturdays, Sundays, City Holidays, and hours worked by the inspector other than those of the normal City working day.					(\$289,000)	
Work Change Directives								
None								
Change Orders								
CCO 001	Contract Change Order No. 001	Contract Time Extension: Contract time extension granted with concurrence that additional time was needed to complete the proposed work and recognizing that time extension would not impact negatively impact ability to comission SESWTF on schedule. This is a no cost change for this CCO.		60				
CCO 002	Contract Change Order No. 002	COR 002 - Change was initiated by the City to pay for additional signage for the Belmont Nursery as well as the Belmont Country Club.	\$3,950					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 003 - This change was initiated by the City to pay for the uplift labor cost to work on three Saturdays to ensure the Diversion Structure was completed ahead of schedule to support FID need to release water.	\$8,353					
		RFP 002 - State of California law requires pre construction survey monument location data to be filed with the Fresno County Surveyor. This was not included as a contractor responsibility in the contract documents, the contractor was requested to provide a proposal to add the work. After reviewing the contractor's proposal, the City decided to use the design engineer's surveyor.	\$47,745					
		RFP 003 - This change responds to Design Engineer's recommendation that tracer wire is no longer needed for this project.	(\$17,958)					
		WCD 002 - This change adds vehicular rumble bars and gravel surfacing at the construction staging area common entrance from Olive Ave. This entrance is shared with three Recharge Fresno Program contractors and the common area surfacing was not included in any individual contract.	\$12,740					
CCO 003	Contract Change Order No. 003	COR 001 - Paleontological Monitoring: Contract specifications require the development of a paleontological monitoring and mitigation plan for the Project. A plan was prepared and called for on-site paleontological monitoring during certain phases of the Project. Specifications indicated that costs for paleontological monitoring, if required, would be paid by the Owner.	\$127,333	0				
		COR 004 - This change was a negotiated solution to changes in the specifications to address the County's requirements for 2-way traffic in the construction soft closure zone.	\$56,056					
		COR 005 - Change Order Request is a result to field changes in the position of the traveling screen at intake verse position in approved submittal. As a result of the position change the prefabricated grates and support beams required modification. This change addresses costs associated with the modifications.	\$8,389					
CCO 004	Contract Change Order No. 004	RFP 004: The Armstrong Avenue/Harvey Street intersection pavement (pipeline Station 10+00 to Station 14+00) was significantly deteriorated prior to construction, and subsequent pipeline construction activity essentially destroyed the pavement beyond what a normal trench patch would remedy. The City agreed with the County's request to replace the entire paved surface within the intersection. This change directs the Contractor to rebuild the intersection to match the recently installed roadway pavement on Armstrong South of the intersection. The agreed road section consists of 4-inches of HMA over 8-inches of compacted AB with a 2% cross slope (See Rider 19, Item 11 and RFI 064). The City agrees to reimburse the Contractor for a portion of the cost for work that is outside the Contract Scope of Work.	\$52,071					
		RFP 005: This change adds small diameter air relief vents in the pipe access manways covers to allow for release of air during the filling of the pipe, to release pockets of air trapped in the access manways to expedite the pipeline hydrostatic testing, and to facilitate future filling of the pipeline during routine maintenance.	\$15,038					
		WCD 004: This change adds a concrete pad at the Diversion Site electrical panels to allow for a safe all weather work surface. This change was requested by City Operations staff.	\$7,865					
		WCD 005: This change modifies the location of an already installed CARV that was in conflict with a property owner's access gate. The CARV was relocated to the East of the location shown on the design drawings.	\$5,605					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		WCD 006: This change modifies the location of a CARV that was installed within the right-of-way but too close to the property owner's orchard. The CARV was relocated three feet closer to the Belmont roadway to provided sufficient clearance to the orchard thus reducing the possibility of damage to the CARV.	\$5,605					
		WCD 007: This change modified the standard detail for driveway replacement to the Warmerdam property on Armstrong Avenue. The easement document for the Warmerdam's property requires that access driveways be sawcut and replaced to the edge of the right-of-way. This requirement was discovered after the initial paving was completed and applies to two driveways.	\$5,220					
		WCD 011: This change modifies the location of a CARV that was installed too close to the AT&T pole south of Belmont Ave. The CARV relocated to the East of its planned location.	\$5,605					
		WCD 012: Due to the field change required to pass the pipeline under an existing utility east of Academy Ave which was found to be lower than indicated on the design drawings, the Design Engineer determined the Contractor is to install a pup piece of pipe with an accessway at approximately Station 372+00 to address the change in elevation of the pipeline. This change requires the Contractor to have an addition piece of pipe fabricated and to install said piece at Station 372+00. The installation will require the contractor to expose the previously place pipe, cut and remove a 10 foot section of the existing pipe and replace with the new pup piece containing the accessway. The pup piece will be connected with the use of two welded buttstraps. The Contractor is to then backfill and compact the excavation and then repave Belmont Avenue in the area of the work.	\$101,897					
		COR 006: Adverse Weather Days: Garney requested a total of 21 Adverse Weather Days (AWDs) from October 28, 2016 to February 20, 2017 as shwon on Page 3 of this Contract Change Order. The CM agreed that a total of 3 Excess AWDs are validated for 2016 and a total of 1 Excess AWD is validated for 2017 through October 31, 2017. This change adds 4 calendar days to the Contract Time for Excess AWDs.		4				
		COR 007: This change addresses a change condition at the intersection of Belmont and Trimmer Springs Avenues. An unmarked 18" irrigation line owned by the Free Water Irrigation District was discovered during pothole investigations. The Contractor was directed to provide a temporary steel beam truss to support active irrigation pipe while the 72" RW pipeline was installed underneath.	\$71,920					
		COR 008: This change adds traffic control measures to the detour route around the work zone from Trimmer Springs Road to Flume Road section of pipeline to moitgate public safety concerns raised by the County and various stakeholder.	\$3,337					
		COR 009: This change modifies the depth of the pipeline to clear an unmarked communication line that was discovered during pipe installation. A change of slope to the pipeline was required to clear the communication line. The change in slope of the pipe resulted in addition work for the Contractor.	\$3,418					
		COR 011: This change addresses the discovery of a previously unknown, possible historic concrete structure located approximately 8 feet below the ground surface in the pipeline trench. Construction was stopped while the City's project archeologist determined the origin and purpose of the structure. The project archeologist's determination was that the structure should be measured and photographically documented, then broken up and removed by the Contractor. The delay covered two work days and the work necessary to remove the structure.	\$15,828					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 012: This change addresses an unmarked communication line that was discovered while excavating for pipe installation. The communication line was not shown on the project drawing or located in the field by the utility locator. The unforeseen condition caused delays to the Contractor to temporarily support and work around the line.	\$9,325					
		COR 014: This change addresses an unmarked AT&T line at Station 107+95 that was discovered while excavating for pipe installation. The communication line was not shown on the project drawing or located in the field by the utility locator. The communication line was in a steel conduit which the contractor damaged. AT&T was called to repair the damaged line. AT&T found a second steel conduit below the damaged conduit and decided to install the communication line in the second conduit. Second conduit was in conflict with CARV outlet on conveyance pipe. Contractor directed by the CM to move CARV 40 feet to east by installing a straight section of piping out of sequence to avoid conflict. Contractor delayed by AT&T response and need to lay pipe out of sequence to avoid CARV conflict.	\$16,701					
		COR 015: This change addresses two unmarked utility lines in the vicinity of Station 120+00 that were discovered while excavating for pipe installation. The communication line (AT&T) was not shown on the contract drawings or marked in the field by the utility locator. Contractor experienced delays while AT&T responded to the damaged utility.	\$12,537					
CCO 005	Contract Change Order No. 005	WCD 003: Change involves changes to the handrails at the intake to allow for the slide gate actuator to be rotates 180 degrees from its current installed position. As currently designed and constructed, the slide gate actuator will not allow the Rubicon flume meter to be removed for servicing. By rotating the actuator 180 degrees the Rubicon flume meter can be removed for service without disassembly of slide gate actuator over open water of the canal.	\$1,804					
		WCD 014: Due to requests by the residents on Flume Road to improve control of the speed of vehicles being detoured on to Flume Road due to the construction of the KRP pipeline on Trimmer Springs Road. Project Management requested the Contractor to obtain the services of a dedicated California Highway Patrol (CHP) officer to patrol the construction area to reduce traffic speed and to improve the safety to all that travel through the construction zone. As part of this request the City agreed to share in 50% of the cost for the CHP officer.	\$17,252					
		COR 025: This change item adds thirty-four (34) calendar days of non-compensable Contract Time Extension to the Contract. Garney requested forty-seven (47) calendar days additional Contract Time related to ten (10) CORs/WDCs: COR 07 – Freewater; COR 11 – Weir; COR 18 – Veterans Day; COR 19 – Sugar Sand Riverbend; COR 20 – Tie-in to 29+50; COR 21 – Culvert; COR 23 – Fancher; COR 24 – County Delays; WCD 05, 06, 11 – CAVs; and WCD 12 - Academy Pup Piece. Some of these requests relate to Non-Critical Path work, may be concurrent, or are otherwise not normally considered compensable. This Contract Time Extension is full and just time compensation for the time extension requests identified above as well as any forthcoming COR time extension requests addressing work accomplished prior to January 4, 2018. The Contractor acknowledges that while this change provides non-compensable time for multiple Change Order Requests and/or Work Change Directives, it is not intended to imply the City's acceptance of the merits of the Change Order Requests or Work Change Directive cost proposals. Garney reserves their rights to claim additional direct costs related to the ten changes identified above.		34				

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		WCD 026: This change item adds a \$100,000 lump sum payment to the Contract as full compensation for Garney's commitment of sufficient personnel and other resources to ensure the KRP is ready in its entirety and in all respects to be filled with water and begin the hydrostatic water testing process no later than 6:00 am on January 22nd 2018. The lump sum payment will only be made if the readiness criteria is achieved to the Construction Manager's satisfaction. This change item also requires the Contractor to provide a detailed testing plan, five (5) days prior to beginning hydrostatic testing, that, at a minimum, itemizes sequence, duration, methods, and procedures for filling the pipe, air venting, soaking the lining, pipeline test section identification, pipeline pressure test, mainline valve leakage test, and appurtenance pressure test.	\$100,000					
CCO 006	Contract Change Order No. 006	WCD 017: The City has requested an enclosure around the electrical panels at the diversion site to keep the electrical equipment in a climate controlled environment and to improve security of the delicate and costly equipment. The construction site has been burglarized several times during the past year due to its remote location and close proximity to the road. This WCD is to allow the Contractor to procure the enclosure as the building has a long lead time.	\$44,727					
		WCD 022: The Contractor is to supply and install Code 170116 Safety Locks with the installation of the removable bollards. Per City's request, this change was to direct the Contractor to purchase an additional 500 Code 170116 Safety Lock's as spare parts to the City.	\$2,633					
		WCD 024: During testing a startup the City discovered the current design did not provide sufficient feedback through SCADA to provide City with the actual status of the sluice gate on the intake structure. The current installation only indicates fully open or fully closed and no status in-between. Currently when the gate is order to close the screen indicates closed even though the closing process is not completed. This change is to add additional wiring and relay to provide the status of the sluice gate during the closing and opening process. This change will allow the operator to read the actual status of the gate in percent open or percent closed. Change requested by the City's operations staff.	\$4,313					
		WCD 026: Per request of the Fresno Irrigation District, the Contractor was directed to provide the expansion module and additional inputs to the PCM-FID panel due to significant discrepancies on the project drawings.	\$13,203					
		WCD 025: The Contractor was directed to conduct the post-construction survey of all survey monuments within or adjacent to the road right of way, pipeline alignment, or other construction areas. A similar survey was required prior to construction, this post construction survey will determine if construction had any effect on the survey monuments. The results of the monument survey location data will be filed with the Fresno County Surveyor. Contractor to provide a report from the California Registered Land Surveyor to the City's Construction Manager summarizing the results of the post-construction survey and indicating any monuments which have been affected by construction activities. The Contractor will be responsible for repairing any damaged monuments or seeking resolution of any issues which are revealed by the post-construction survey. The post-construction survey and filing with the County was not included as a Contractor responsibility in the Kings River Pipeline contract therefore, will be addressed as a Change Order.	\$37,068					
		COR 010: An unmarked fiber line was discovered while excavating for pipe installation. The fiber line ran parallel to and in some instances in the trench zone. Fiber line had to be supported and moved slightly to allow for pipe installation. The unforeseen condition caused delays to the Contractor.	\$49,785					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 021: This change is associated with an unmarked storm water drain culvert which crossed Trimmer Springs Ave at approximate Station 662+00. The culvert was not the County inventory and was not shown on the project's plans. The culvert was in direct conflict with pipeline which required the culvert to be cut, a portion removed, and pugged to prevent storm water flow into the pipe trench. Permission was required from the County of Fresno to take the storm drain out of service. The City CM directed the Contractor not to proceed until County approval could be obtained. County permission was eventually obtained. Contractor is requesting costs incurred to pothole the utility to determine its exact location, elevation, and loss of production.	\$36,068					
		COR 027: Per the specifications, Contractor is required to test a sample of asphalt emulsion and chip material at the Department of Public Works and Planning Material Laboratory. However, the County informed the CM that the County of Fresno does not have a contract to conduct testing for the Kings River Project and would not be conducting required testing. CM directed Contractor to have a third party lab conduct the testing.	\$4,834					
		COR 028: The Contractor presented costs associated with flushing and testing valves on the appurtenances for pipeline sections 1-4 which consider extra work not addresses in the specification. The total cost of labor from the Contractor for this activity was \$7,268.33. The City offer to share 50% of the cost was agreed to by the Contractor, therefore, the City's share was \$3,634.17.	\$3,634					
		COR 029: The Contractor was working around the tie-in connection piece near station 10+00 and encountered a significant amount of water coming from a pipe owned by Lyles Construction. The Contractor was not aware that this pipe was filled with water so, when the flange was removed on a temporary blowoff, the trench became flooded. This change to discharge the water added two complete shifts, one additional shift at three hours, additional premium time on one shift, and standby charges from subcontractors.	\$52,277					
		COR 030: The Contractor presented costs associated with survey errors that misrepresented the location of two oak trees at the KRP intake. The plans showed the trees well within the fence line, in actuality the trees were in the fence line. To prevent damage to the oak trees the Contractor was directed to place the fence around the trees. This change includes the extra materials and labor for fencing around the trees as well as three hours of standby time as the conflict was resolved.	\$9,620					
		WCD 21: The Contractor was directed to purchase and install a DC blocker per the instructions provided by the DC blocker manufacturer. Per RFI 101, the motor operated valve DC blocker shown on detail 7 of plan sheet 00-CP-003 was not included in the specifications or labeled anywhere else on the project drawings. Upon completion, Contractor is to provide a red line drawing of it's actual location.	\$3,228					
		This change adds 80-calendar days to the Contract Time. Several items of work were ongoing past the Contract Substantial Completion milestone date. Three of those items of work were Owner caused delays that were concurrent with Contractor caused delays. The Owner caused delayed items of work were completed on May 21, 2018. In accordance with Contract General Conditions Section Claims for Additional Time page 2.18, the Contractor is entitled to a Contract Time Extension of 80-calendar days. The Contractor is not entitled to an adjustment of Contract Price associated with this change of Contract Time since the delays were concurrent with delays within the Contractor's control.	-	80				

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
CCO 007	Contract Change Order No. 007	WCD 019: This change was a result of an incorrect contract drawing detail. Contractor constructed atmospheric air vents as per contract drawing and discovered after installation that the drawing gave an incorrect vent height. Changes were required to increase the height of the atmospheric air vents to allow them to work correctly.	\$38,978	3				
		WCD 020: Change was required due to lack of sufficient backfill to cover atmospheric vent shutoff valve. A check of the project drawings showed the Contractor installed as per plans, however there was not sufficient existing cover to install shutoff valve below grade. The shutoff valve stem as installed was above grade and created a traffic hazard in the County right-of-way. Contractor was not able to reposition valve as there was insufficient cover along the vent alignment. Apparently additional shoulder grading by the County was not taken into consideration by the design engineer resulting in insufficient backfill cover for the atmospheric vent at this location. Contractor was directed to rotate the valve 90 degrees to change the position of the valve stem from vertical to horizontal to allow for sufficient cover to eliminate the traffic hazard. The rotation of the valve required the purchase and installation of a much larger traffic rated valve box to allow access to the valve.	\$15,559	15				
		WCD 023: During installation of the traveling screen, the on-site manufactures representative repositioned the traveling screen further to the south. This repositioning had not been anticipated in the initial design. The repositioning of the traveling screen resulted in an open area between the screen and the canal which had not been anticipated during design. This open area presented a safety hazard due to the possibility of someone falling into the area between the canal and the traveling screen. To meet Cal OSHA requirements the Contractor was directed to procure and install safety railing.	\$3,728					
		WCD 027: Per County direction, the City directed the Contractor to make a slope modification to the north side of Trimmer Springs Road between Stations 639+20 and 654+50. The work had been previously accepted by the County, however, a complaint by a stake holder in the area raised concern of the steepness of the side slope. This modification required placement and compaction of additional material, removal and repositioning of two over the curb drains, and the re-hydro seeding on the slope.	\$72,965	8				
		WCD 028: Contractor had installed atmospheric air vent as per plans. Due to safety considerations, the City directed the Contractor to relocate the two previously installed bollards away from the edge of pavement, add an additional bollard to east of the air vent, plus add 35 feet of Type A AC in front of the vent.	\$3,378					
		WCD 030: Contractor ordered the pipe marker signs as per the detail shown on the project drawings. The offset direction arrow shown on the project drawing detail was incorrect. Drawing detail did not have note indicating the detail was typical and the offset arrow should point in direction of offset. Contractor was directed by City to order new signs with correct offset directional arrows as approved by the City, to remove existing and install new signs. WCD includes costs of signs, removal of previously installed incorrect sign, and installation of new pipe marker signs.	\$9,186					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		WCD 031: The County of Fresno revised the County seal coat standard specification after the City of Fresno bid the KRP project. The revised County seal coat specification was adopted from the Caltrans standard which requires the application of a flush coat after the application of the chip seal (seal coat). The flush coat (sand and emulsion) covers the chip seal coat and reduces the risk damage to vehicles and cyclists by the chips (loose gravel). The flush coat application was not included in the original contract bid and was considered extra work by the Contractor. The City, in cooperation with the County agreed to add the flush coat to the chip seal coat process and to cover the additional costs.	\$69,786					
		COR 032: This change order was originally requested to correct safety deficiencies with the conveyor installed with the traveling screen at the KRP intake. Two safety deficiencies were identified after installation of the conveyor which had not been addressed in the specifications, project drawings, or identified as missing during submittal review. These items were necessary to bring the conveyor into Cal OSHA compliance. During further review and with the onset of summer two items were identified as necessary to insure proper conveyor operation. Due to the relative low cost of these changes the original COR was modified to include the other items instead of processing a second COR or WCD. The following are items included in the COR. The addition of safety screens (guards) to protect from entanglement in the exposed lower portion of the conveyor belt and drive gears and the addition of a second emergency stop on the south side of the conveyor. These items bring the conveyor into compliance with Cal OSHA. The non-safety items include splash guards on either side of the conveyor under the wash bar on the traveling screen. The splash guards prevent the wash water from the traveling screen from washing the plant material from the conveyor belt and back into the intake behind the traveling screen. The second non-safety item was the addition of a wash bar beneath the conveyor at the end of the conveyor (dump point). It was found during the summer the conveyor belt dries out before reaching the dump point. The drying of the conveyor causes the plant material to stick to the conveyor belt and not fall off at the dump point. The plant material stayed on the conveyor until the belt past under the wash water from the traveling screen.	\$12,002					
		COR 035: Pavement replacement on east end of Flume Road at the intersection with Trimmer Springs Road. Pavement replacement was necessary due to the pavement damage resulting from the use of Flume Road as a detour during the KRP pipeline installation on Trimmer Sprigs Road. The area replaced was approximately 100 feet by 24 feet, the damage to the pavement was not specifically caused by the Contractor but was the result of the normal traffic which was diverted on to Flume Road during construction. The City had expected additional wear and tear to Flume Road due to its use as a detour. The City had an agreement with the County that any damage to Flume Road would be addressed by the City.	\$20,946					
		Bid Item No. 18 - Supplemental Work - This item was established for completion of authorized extra work in accordance with Section 3, "Changes in Work", of the Standard Specifications. Substantial Completion for the project has been recorded as 6/15/2018, total quantities installed and payment amounts have been confirmed, and necessary project work has been completed. Therefore, this Bid Item is being deleted from the Contract. Credit \$500,000.	(\$500,000)					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
DRAFT CCO 008	DRAFT Contract Change Order No. 008	COR 036: On August 24, 2017 it was determined that the pipe primer coating being applied to the KRP pipe was not per specification. On August 28, 2017 Non-Conformance Notice 003 (NCN 03) was issued to Garney Construction concerning the pipe primer. NCN 03 noted that it had been determined that the primer process had been changed by the pipe manufacture without notice. The City determined the cost impact of the non-conforming pipe primer would have on the Kings River Pipeline. During the past several months a series of negotiations between the City and Garney have taken place. Late in 2018 the City received a revised settlement offer from the Contractor. After review by all levels of City DPU management the revised offer was accepted and will be included as a credit to the current contract.				(\$296,148)		
		The City purchased two (2) vehicular rumble strips via WCD 002 to be used in the construction staging areas' common entrances on Olive for Recharge Fresno contractors and staff. During demobilization the Contractor mistakenly removed the rumble strips. In lieu of delivering the rumble strips to the City, the Contractor has agreed to provide a credit.				(\$5,146)		
		Per City request, the Contractor was directed to not install the turbidimeter inside of the meter vault as shown on the project drawings. Credit provided to the City for work removed from the contract.				(\$1,000)		

Construction Contract Change Item Descriptions (CID)

Project Name: **Phase 2 Regional Transmission Main - Segment B&C**
 Project Number: **WC00065**
 Data Date: **03/04/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$11,490,484	\$11,190,484	500
Approved Contract Change Orders:	\$24,435	\$24,435	56
		0.22%	
Current Contract Value:	\$11,514,919	\$11,214,919	556

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$24,435	56	\$275,404	\$0	\$90,000	13
Change Order Requests								
COR 002.1	Revised TCP at Cambridge	VAS' original, approved traffic control plans allowed installation of the RTM from Weldon Ave to Clinton Ave under a single phase of traffic control. In an effort to minimize the RTM construction's footprint, City Traffic requested that VAS break this plan into two separate phases. The traffic control plan would shift to the second phase when VAS reached Cambridge Ave. Transitioning from one traffic control plan to the next delayed VAS' progress, as they can only work under a single, fully set up plan/phase. This impacted four days of RTM construction: on the first two days, VAS needed to work using a process less efficient than their normal production train, to make sure all components of the RTM were complete in the first traffic control phase. They then had to stop all progress to deconstruct the first traffic control phase and implement the second phase. After the second phase had been setup, progress continued, although VAS claims that it took four hours to get their crew back up-to-speed on the fourth impacted day. Costs for this change order request include extra hours of labor, additional traffic control, and equipment standby time.			\$10,000			2
COR 002.2	Revised TCP at Floradora	This change order request is for the exact same claims as those made in COR 002.1. City Traffic requested that VAS split their approved traffic control plan into two separate phases at Floradora Ave as well.			\$10,000			2
COR 002.3	Revised Traffic Control Plan at Upcoming Intersection	Given that City Traffic has already made the request at two separate intersections to split VAS' traffic control plans into two phases, it is anticipated that this will occur at upcoming intersections. The location for this impact is currently undetermined.					\$10,000	2
COR 002.4	Revised Traffic Control Plan at Upcoming Intersection	Given that City Traffic has already made the request at two separate intersections to split VAS' traffic control plans into two phases, it is anticipated that this will occur at upcoming intersections. The location for this impact is currently undetermined.					\$10,000	2
COR 006	Potential Utility Conflict from Subsurface Utility Investigation	During the Contractor's subsurface utility investigation, the Contractor reportedly discovered many more utilities than are listed on sheets 6 and 7 of the plans (utility crossing information). Because it is unknown what the magnitude of the conflict will be, if any, extra costs will need to be evaluated on a case-by-case basis.					\$25,000	
COR 008	Reduced Work Hours and Additional Flagmen	The specifications state that no work can be done between 6:00PM and 7:00AM without the City's permission. For work on E. Kings Canyon Rd, the City required that VAS change their work hours to 9:00AM to 4:00PM in order for traffic control plans to be approved. The City also required an additional flagman before allowing VAS to mobilize/set up traffic control. VAS sees this as a change of 1.5 work hours per day, and may seek additional compensation for the flagman.					\$5,000	5
COR 010	Plating Trench on Chestnut Ave, From Clinton Ave to Shields Ave	While installing the RTM on Chestnut Ave, from Clinton Ave to Shields Ave, VAS is working on County of Fresno land. County Traffic has requested that VAS plate their entire trench after each day of work, rather than just erect temporary fencing around the area. VAS will plate their trench for as long as they are within County of Fresno's right of way.			\$30,000			

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
COR 011	Asphalt Testing for Duration of Project	It is the Contractor's interpretation that the Special Conditions of the specifications indicate that costs for testing placed asphalt (core density, gradation, oil content, etc.) should be the Owner's responsibility. VAS believes that this spec takes precedence over any other information that may be in the specifications. It states in the Special Conditions 103.1B that the "Contractor shall be responsible for arranging and obtaining such inspections, tests or approvals required for the Construction Manager's acceptance of materials or equipment." However, it states right below that for inspections and tests that the "Construction Manager deems necessary to see that the Work is being accomplished in accordance with the requirements of the Contract Documents," the cost will be borne by the owner. In the asphalt paving specification, it states that the Contractor is responsible for providing adequate testing for quality control for their paving. While this is the engineer's intention, VAS argues that this specification is of lower precedence than what is shown in the special conditions, and therefore is overruled (i.e. Owner's responsibility for testing, not Contractor's). It is currently the Construction Manager's position that asphalt testing is not a 'special inspection' and therefore the language in Special Conditions 103.1 does not apply. It is clear in the asphalt paving specification that the costs for testing/quality assurance of placed asphalt is a cost borne to the Contractor.					\$40,000	
COR 012	Unknown Utility at Station 922+61	The Contractor struck and damaged an irrigation conduit at station 922+61. The conduit was unknown and not shown on the plans. The Contractor replaced the conduit, and will run new wires to complete the repair.			\$2,000			
Requests for Proposal								
RFP 002	Install Tamper Resistent Hex Bolts at CP Test Stations	Furnish and install bolt down frames, lids, and tamper resistant hex bolts at all installed CP test station locations.			\$500			
RFP 003	Sewer Video Inspection on Chestnut Ave	The City has requested that VAS perform a Sewer Video Inspection on Chestnut Ave, from E. Weldon Ave to E. McKinley Ave, approximately 1,300ft. The Contractor has completed the work.			\$9,134			
Work Change Directives								
WCD 001	Temporary Construction Fence-RTM Yard	Temporary fencing is needed along north property lines of the RTM construction yard for security. The Contractor is responsible for providing temporary fencing, but the Construction Manager recognizes that mobilization is expected in late May. The Contractor is directed to provide temporary fencing from 3/22/18 to 5/21/18. Once mobilized, the Contractor shall be expected to maintain temporary fencing as part of the mobilization Bid item, in accordance with the Contract Documents.			\$1,725			
WCD 003	Relocating Access Manway at Temperance and E. McKenzie Ave.	Due to conflict in the RTM alignment, it was necessary to relocate the access manway at N. Temperance Ave and E. McKenzie Ave.			\$2,000			
WCD 004	Plan Revisions in Response to SUE Conflicts	During the Contractor's subsurface utility investigation, an unknown fiber optic line was discovered at the intersection of N. Chestnut Avenue and E. Hammond, and an unknown 24" storm drain line was found at the intersection of N. Chestnut and E. Princeton Ave. These two utilities are in conflict with the RTM alignment. This WCD is for the realignment of the RTM pipeline at these two locations.			\$25,000			

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
WCD 007	Concrete Base Pavement Removal on E. Kings Canyon Rd.	Concrete base pavement was discovered below the top asphalt layer along the RTM alignment on Kings Canyon Rd. Additional work to move the existing concrete pavement is required, as it could not have reasonably been foreseen by the Contractor. Costs include sawcutting the pavement, additional traffic control, and standby time the day it was discovered. The Contractor will also create a detailed proposal crediting the City with the costs that would have been incurred by removing asphalt pavement where the concrete base pavement was discovered.			\$20,000			
WCD 008	Repair of Broken Streetlight Conduit	An unmarked electrical streetlight conduit near the intersection of Chestnut and Olive (Sta. 703+25) was damaged during excavation.			\$3,000			
WCD 009	Relocation of Receiving Pit and Casing at Chestnut Ave and McKinley Ave	Due to concerns that excavation of the receiving pit on Chestnut Ave., north of McKinley Ave. (Sta 728+80), would cause too substantial of a disruption to the flow of traffic, it is necessary that VAS shifts the receiving pit and north end of the casing 2 ft to the east. Costs include additional traffic control and additional shoring, as may be necessary. It will also be necessary for Ameron to rotate the blowoff lateral outlet at this location, costs will be incurred for this work.			\$30,000			
WCD 010	Nightwork Between Floradora and McKinley Ave	The Contractor performed nightwork for the RTM installation between Floradora and McKinley ave., allowing for one southbound lane on Chestnut Ave to remain open during daytime hours. This workchange was authorized in order to minimize disruption to the flow of traffic on Chestnut, and to maintain daytime access to local residences and businesses. Nightwork lasted 4 nights. Costs associated with this work change directed included pay differential from working at night, additional traffic control, additional lighting, and possible costs from nighttime concrete plant opening.			\$6,000			
WCD 011	Relocation of CAV Isolation Valve at Sta. 767+00	Per the contract plans, VAS is to install a combination air release valve (CAV) at the intersection of Princeton Ave and Chestnut Ave. At this location, there is a 2" gas main that is in conflict with the CAV isolation valve. In order to resolve the utility conflict, VAS shall install a 45 degree ductile iron horizontal bend at the RTM outlet flange, and connect a 36 inch long flanged spool to the downstream end of this fitting. VAS shall install the CAV isolation valve to the downstream end of the 36" spool, in order to maintain approximately two feet of clearance between the gas main and isolation valve. Additional costs associated with this work change directive may include additional time to install pipe/fittings, additional excavation, and additional materials.			\$4,000			
WCD 012	Blown Sand in Casing, Chestnut-McKinley	Per the contract plans, VAS has installed the RTM inside the casing pipe at the Chestnut-McKinley intersection using trenchless excavation (jack and bore) methods. The annular space between the RTM and casing shall be filled with sand and blown in-place, leaving no voids. This will be done in order to prevent settlement if the casing ever was to corrode in the future. The contract does not require blown sand to be installed and no bid item exists for payment. Costs for this work change directive may include labor to backfill the casing with sand, as well as material costs for the sand. VAS is authorized to proceed with work on a time and materials basis.			\$14,545			

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
WCD 013	Removal and Replacement of Irrigation Line on Temperance	While potholing Segment B of the RTM alignment, an unknown , active, private irrigation line was discovered on Temperance Ave. As-builts from a previous project show that the line is a 12" nonreinforced concrete pipe. The irrigation line is outside of FID's jurisdiction, but the line's owner is known and has been in contact with the CM team. Because the line conflicts with the RTM alignment, the Contractor shall remove it so the RTM can be built to contract plans. VAS shall subsequently replace the irrigation pipe with a pipe of the same diameter and materials as the existing line. Costs of this work change directive may include materials costs for the replacement pipe, as well as the time and labor costs to remove and replace the irrigation line.			\$20,000			
WCD 014	Additional CAV at Sta. 854+60	An existing 6" electrical duct was found to be in conflict with the RTM at the intersection of Chestnut and Dakota. Due to the conflict, pipe #227 was lowered by 18" to clear the electrical duct. The change in elevation requires an additional CAV be installed at station 854+60.			\$25,000			
WCD 016	Connection of 24" RTM to 30" City Main at Station 880+58	Bid plans show that City forces are to perform the terminal 10 LF connection of the 24" RTM to the 30" City water main at the Pump Station at Winery and Chestnut, Sta. 880+48 to 880+58, by hot-tap methods. However, the City is unable to self-perform the work as shown. The City also requested that since the 30" main can be shut-down, the connection should be cut-in using full body ductile iron fittings. All materials for this connection will be furnished by the Contractor, except for one tee and five adaptors, which will be furnished by the City. There will be no additional payments for excavation, shoring, backfill, or restoration of the trench, as this Work was included in the Original Bid Price. All other costs of Work will be compensated as per the Contract Documents. It should be noted that the cost to the right represents the total approximate cost to the City, including the cost of City-furnished materials. The change in contract value will be approximately \$35,000.			\$60,000			
WCD 017	Repair of Broken Caltrans Irrigation Conduit	A Caltrans irrigation conduit, located at Station 922+61 (on Temperance Ave. 250 feet north of Kings Canyon Ave.) was damaged during excavation. The conduit was neither marked nor shown on the Plans. The Contractor repaired the damaged conduit per Caltrans Standards. Work included pulling wires, inspection of wires, and replacement of wires and conduit as necessary.			\$2,500			
Change Orders								
CCO 001	Contract Change Order No. 1	RFP 003- During preconstruction subsurface utility investigation, the Contractor found additional sewers not shown on the Contract Plans. Video inspection was determined to be necessary in order to establish whether conflict existed between the sewers and the RTM. Approximately 1,300ft of the sewer line was inspected.	\$9,135					
		WCD 006- Per the approved traffic control plan, installation of the RTM pipeline on Chestnut Ave required the southbound lanes of Chestnut Ave. to be closed to through traffic between Clinton Ave. and Cambridge Ave. (approximately 750ft). The residences at 2221, 2241, and 2291 Chestnut Ave did not have access to their driveways during this closure. Reserved parking was provided for the impacted residents on Chestnut Ave, between Cambridge Ave. and Weldon Ave. Onsite security for the reserved parking was provided between the hours of 6pm and 6am for the six-day duration of the closure. The onsite security was required by City Traffic Engineering during traffic control plan review for closure of the roadway, it was not required by the Contract Plans or Specifications.	\$2,699					

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		WCD 002- Prior to construction, the Contractor potholed to locate possible conflicts with existing utilities and the RTM pipeline. Existing sewer laterals were found to be in conflict with the alignment of the RTM pipeline on Chestnut Ave., between McKinley Ave and Clinton Ave. In order to avoid these conflicts, profile revisions were issued for sheets 17 and 19 of the Contract Plans, requiring the Contractor to install the RTM pipeline 8" deeper for approximately 750ft. The realignment required the Contractor to perform additional excavation and backfill work.	\$12,601					
		COR 004- In their letter dated March 27th, 2018 (transmittal 003), the Contractor claims that 62 calender days were lost due to events that were beyond their control. These delays consist of SharePoint training (12 days), inclement weather (10 days), and CalTrans permit delays (40 days). In their letter dated March 27th, 2018 (transmittal 025), the Contractor claims they lost fifty-six (56) calender days due to an inability to obtain materials, particularly steel coil, because of government regulations regarding steel imports. The Contractor stated that this delay was beyond their control.		56				

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1B**
 Project Number: **TC00096B**
 Data Date: **02/28/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$9,341,491	\$9,041,491	1000
Approved Contract Change Orders:	\$0	\$0	0
		0.00%	
Current Contract Value:	\$9,341,491	\$9,041,491	1000

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$0	0	\$274,801	(\$438,945)	\$773,997	7
Change Order Requests								
Claims	Claims						\$2,333,997	TBD
Requests for Proposal								
Credit Disputes	Credit Disputes						(\$1,560,000)	
Work Change Directives								
None								
Change Orders								
Draft CCO 001	Draft Contract Change Order No. 1	COR 001 Potholing for Abandoned Chevron Line - After award of the construction contract, Chevron informed the City of an abandoned crude oil pipeline located within the railroad right-of-way at two of the recycled water pipeline crossings. The Contractor was directed to pot hole and verify the location of the crude oil pipeline crossings in order to confirm no conflict with recycled water pipeline construction. COR 002 Revised Trench Credit Costs - The Contractor proposed changes to contract requirements for pipeline trench size and configuration. Proposed changes were reviewed by the Engineer and found to be acceptable. The changes resulted in reduction of cost to the Contractor and savings to the City. COR 004 Fiber Optic Conduit Crossing at Marks Ave - The Contractor proposed an alternate method of construction for the fiber optic conduit crossing at Marks Avenue, similar to methods used for other similar crossings on this project. Use of the alternate method will simplify construction sequencing, facilitate County permitting, reduce traffic impacts, and minimize delay to execution of the work. COR 007 Debris in Trench at 14-Inch PVC in Belmont/Marks Intersection Garney encountered concrete debris in the trench excavation near the intersection of Marks and Belmont but did not provide a preliminary Notice of Change or any subsequent timely backup. During negotiations Garney presented cost sheets requesting compensation for impacts on December 27th, 28th, and 30th of 2016 and on January 3rd, 5th, 6th, and 21st of 2017. The CM verified with the project Inspector that Garney was potentially impacted by the debris and agreed that Garney was impacted on six (6) days. The resulting compensation is \$24,000 and two (2) days of time extension. COR 009 Blythe Bore Pit Permeation at Houghton Canal - Garney encountered water seepage into the jack and bore pit at approximate Station 132+00. The City's Inspector stopped work until the situation could be evaluated and a remedy implemented. Agreed that Garney was impacted on two days: March 17th and March 18th for 4 hours and 5 hours respectively. The resulting compensation is \$9,273 and one (1) day of time extension.			\$4,381			
						(\$87,201)		
					\$11,352			
					\$24,000			2
					\$9,273			1

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 010 Removal of Concrete Structure at Cornelia and Belmont - The Contractor encountered an unmarked, buried concrete structure while excavating the receiving pit for jack & bore at the intersection of Belmont & Cornelia. The City Inspector confirmed that the Time & Material sheets accurately reflect the labor/equipment required to remove the obstruction. Agreed to pay the Contractor's cost request less the mobilization charge for their Subcontractor (Cal Valley) to pave the excavated trench since the installation required them to mobilize. The resulting compensation is \$34,027 and three (3) days of time extension.			\$34,027			3
		RFP 001.1 Additional Steel Pipe and Water Service After award of the construction contract, the final tie-in point was moved to accommodate construction phase changes to the end-point of the SW1A recycled water pipeline. The revised tie-in location resulted in an increased depth and length to the SW1B piping approach run. Additionally, a recycled water service connection assembly was added on Belmont Avenue for the City municipal service yard neighboring City Fire House No.19.			\$52,224			
		RFP 002 Additional Water Service Connections Two future users for recycled water service were identified along the Cornelia Avenue alignment after award of the construction contract. Recycled water service connection assemblies were added to the work in order to accommodate the identified future users.			\$33,670			
		RFP 003.1 Fiber Optic Conduit Railroad Crossings Additional railroad agency requirements were identified after award of the construction contract that required changes to the installation alignment for the fiber optic conduit at two railroad crossing locations. In order to mitigate extra cost and further delays to the work, the fiber optic conduit crossings were deleted from the project. The fiber optic conduit crossings are planned for completion under separate future contract.				(\$30,736)		
		RFP 004 Commercial Truck Fill Stations - The project work included five recycled water fire hydrants. After award of the construction contract, State Water Resources Control Board permitting requirements were identified, including requirements for the City to obtain approval of a Title 22 Engineering Report from the Division of Drinking Water. The required Engineering Report to demonstrate firefighting department training and protocols associated with the use of recycled water was not in place so the City directed the Contractor to change the fire hydrant assemblies to commercial truck fill stations in order to avoid permit compliance issues.			\$10,033			
		WCD 001 Unidentified Telecommunication Conduits - Two buried telecommunication conduits were found to be in conflict with the new facilities during construction. The telecommunications lines were not identified on the project plans. The Contractor was directed to add additional pipe fittings and build the recycled water pipeline under the telecommunication obstacle.			\$9,000			1

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 011 Utility Conflicts at Bore Station 132 - The Contractor encountered an unmarked 4-inch conduit on March 2, 2017 when excavating the jack & bore jacking pit at approximate Station 132+00. The conduit was determined to be abandoned, but it was directing a significant quantity water into the excavation. The work was stopped due to flooding and the pit was relocated to mitigate the problem. Agreed that March 2 and March 3, 2017 are compensable to cover cost of excavating/filling the abandoned pit. The original Contract Price covers the relocated pit location. The relocation also required the jack & bore to be lengthened by 20-feet. Since the City Standard Specifications Section 1 TERMS, DEFINITIONS, GENERAL PROVISIONS paragraph 3-2.1.2 page 23 states that Unit Prices apply to all changes until the change exceeds 25% of the Contract Bid Quantities, the City will pay the Contractor \$30,000 as compensation for the 20-foot casing extension. The Contractor resubmitted cost sheets (PCO # B15 Rev 4) to support the agreed COR 011 cost of \$50,841.09.			\$50,841			
		COR 013 Bore Extension at Cornelia and Belmont for Gas Line Conflict - The Contractor encountered a 4-inch gas line (not shown on drawings) on March 1, 2017 when excavating the bore pit at approximate Station 64+80. The gas line was marked and discovered during potholing to determine the exact location. The Construction Manager agreed to relocate the pit 20 feet away and extend the bore to mitigate the conflict. Agreed that the additional 20 linear feet of bore casing would be compensated at Contract Unit price of \$1,800 per linear foot. The Contractor resubmitted cost sheets (PCO # B5b) to support the agreed COR 013 cost of \$36,000.			\$36,000			
		Contract Bid Item Adjustment: Bid Item No. 22 Blow off Assemblies - The plans show a blow-off assembly located at the connection point of SW1B and SW1C. The blow-off at this location was not needed and was not installed. Therefore, this Bid Item is being adjusted to provide the City with a credit for one blow off assembly. Credit \$5,000.				(\$5,000)		
		Contract Bid Item Adjustment: Bid Item No. 31 Temporary Trench Resurfacing - This change item deletes an unused portion of the temporary trench resurfacing work from the contract. Bid Item No 31 established a contract unit price with associated quantities and total cost. Substantial Completion for the project has been recorded as 1/12/2018, total quantities and payment amounts have been confirmed and necessary project work has been completed. Therefore, this Bid Item is being adjusted to provide credit to the City of \$7,578.				(\$7,578)		
		Contract Bid Item Adjustment: Bid Item 34 Contractor's Pollution Liability Insurance - This change item deletes an unused portion of the Contractor's pollution liability insurance allowance. Substantial Completion for the project has been recorded as 1/12/2018 and total payment amounts have been determined. The necessary project work has been completed without expending the full allowance amount. Therefore, this Bid Item is being adjusted to provide credit to the City of \$8,430.25.				(\$8,430)		
		Contract Bid Item Adjustment: Bid Item 35 Supplemental Work - This item was established for completion of authorized work in accordance with Section 3, "Changes in Work", of the Standard Specifications. Substantial Completion for the project has been recorded as 9/19/2017. Total quantities have been installed, payment amounts have been confirmed, and necessary project work has been completed. Therefore, this Bid Item is being deleted from the Contract. Credit \$300,000.				(\$300,000)		

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1C**
 Project Number: **TC00096C**
 Data Date: **02/28/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$4,198,175	\$4,043,175	1000
Approved Contract Change Orders:	\$269,718	\$269,718	0
		6.67%	
Current Contract Value:	\$4,467,893	\$4,312,893	1000

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$269,718	0	\$10,293	\$25,083	\$0	321
Change Order Requests								
None								
Requests for Proposal								
None								
Work Change Directives								
None								
Change Orders								
CCO_001	Contract Change Order No 1	RFP 001.1 - After award of the construction contract, high-speed rail development plans within the City were identified that were in conflict with the planned future project route of the recycled water pipeline feed to downtown Fresno. The future downtown design route for the recycled water pipeline was therefore changed, resulting in increased pipe size for a majority of the SW1C piping within Roeding Park. The redesigned SW1C pipeline also included additional recycled water service connection assemblies inside Roeding Park, on Parkway Drive, and along Belmont Avenue to accommodate additional future users identified during the redesign time frame.	\$246,512					
		RFP 002 - Caltrans was identified as a future user for recycled water service at the Highway 99 crossing location after award of the construction contract. A recycled water service connection assembly was added to the work to accommodate planned future Caltrans use.	\$19,193					
		RFP 003 - The project work included two recycled water fire hydrants. After award of the construction contract, State Water Resources Control Board permitting requirements were identified, including requirements for the City to obtain approval of a Title 22 Engineering Report from the Division of Drinking Water. The required Engineering Report to demonstrate firefighting department training and protocols associated with the use of recycled water was not in place so the City directed the Contractor to change the fire hydrant assemblies to commercial truck fill stations in order to avoid permit compliance issues.	\$4,013					
Draft CCO 002	Draft Contract Change Order No 2	COR 001 Petro Mat Removal - It was revealed during construction, that existing asphalt sections of Belmont Ave. had consisted of a previous overlay of a Petro Mat underlayer. Some areas of Petro Mat deterioration was shedding the remaining layer of asphalt. The City directed Contractor to remove and/or torch any loose delaminated material and continue with overlay asphalt application as originally specified.			\$2,798			
		RFP 005 Additional Recycled Water Service Stub - Beth Israel Cemetery on Belmont Avenue was identified as a future user for recycled water after award of the construction contract. A buried recycled water pipe connection stub was added to the work to accommodate future piping into the cemetery.			\$7,495			3
		Contract Bid Item Adjustment: RFP 006 Bid Item No. 25 Insulating Joint Test Station - The plans show an insulating joint test station located at the connection point of SW1B and SW1C. The test station at this location was not needed and not installed. Therefore, this Bid Item is being adjusted to provide the City with a credit for one insulating joint test station. Credit \$1440.				(\$1,440)		

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		Contract Bid Item Adjustment: RFP 007 Bid Item No. 28 Temporary Trench Resurfacing - This change item deletes an unused portion of the temporary trench resurfacing work from the contract. Bid Item No 28 established a contract unit price with associated quantities and total cost. Substantial Completion for the project has been recorded as 9/19/2017, total quantities and payment amounts have been confirmed and necessary project work has been completed. Therefore, this Bid Item is being adjusted to provide credit to the City of \$60,530.				(\$60,530)		
		Contract Bid Item Adjustment: RFP 008 Bid Item No. 31 Contractor's Pollution Liability Insurance - This change item deletes an unused portion of the Contractor's pollution liability insurance allowance. Substantial Completion for the project has been recorded as 9/19/2017 and total payment amounts have been determined. The necessary project work has been completed without expending the full allowance amount. Therefore, this Bid Item is being adjusted to provide credit to the City of \$9,294.40.				(\$9,294)		
		Contract Bid Item Adjustment: RFP 009 Bid Item No. 2 Mediator - Credit for unused Mediator allowance. Credit \$23,652.50.				(\$23,653)		
		Contract Bid Item Adjustment: RFP 010 Bid Item No. 32 Supplemental Work - This item was established for completion of authorized work in accordance with Section 3, "Changes in Work", of the Standard Specifications. Substantial Completion for the project has been recorded as 9/19/2017. Total quantities have been installed, payment amounts have been confirmed, and necessary project work has been completed. Therefore, this Bid Item is being deleted from the Contract. Credit \$155,000.				(\$155,000)		
		Compensation for claims filed by Contractor as detailed in the Settlement Agreement.				\$275,000		318

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1C2**
 Project Number: **TC00096**
 Data Date: **03/11/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$7,682,290	\$7,382,290	1000
Approved Contract Change Orders:	\$37,781	\$37,781	0
		0.51%	
Current Contract Value:	\$7,720,071	\$7,420,071	1000

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
Total			\$37,781	\$0	(\$196,635)	\$0	\$0	18
Change Order Requests								
None								
Requests for Proposal								
None								
Work Change Directives								
None								
Change Orders								
CCO 001	Contract Change Order No. 1	WCD 001 - In order to manage groundwater encountered at lower excavation depths in the trench on Nielsen east of Hughes, the Contractor was directed to install crushed rock in the bottom of the trench as needed, followed by placement of CLSM in the pipe bedding zone. Water was pumped out of the trench as necessary until the RWTM was back on grade where groundwater was no longer present.	\$14,151					
		WCD 002.1 - An AT&T duct located at B Street and Amador was found to be in conflict with the 8" RWTM alignment. The Contractor shall perform additional excavation and utilize fittings to divert the 8" RWTM under the duct bank then immediately come back up to line elevation.	\$13,761					
		WCD 003 - During excavation, the existing 42" sewer main in Fruit Ave. was found to encroach upon the 12" RWTM trench zone. Alignment of the 12" RWTM was shifted to the east for approximately 150 feet to avoid conflict with the 42" sewer main while maintaining adequate clearance from the adjacent 3" gas line. This WCD shall cover the costs for additional potholing performed to identify the limits of the conflict in determining the solution, as well as any minor additional efforts associated with the proximity of the sewer main with the RWTM trench zone.	\$9,870					
DRAFT CCO 002	Draft Contract Change Order No. 2	COR 001 - On January 17, 2018, the City was notified by the Federal Aviation Administration (FAA) that additional construction review and permitting was required to continue work along Whitesbridge Ave. at the end of the Chandler Airport runway. The City and Contractor immediately began the process to conform to FAA requirement. This additional review and permitting process delayed the Contractor from completing work in the area and caused additional cost for traffic control, trench protection, and FAA required construction restrictions.			\$44,404			14
		COR 002 - A concrete base pavement was discovered below the top asphalt layer along the RWTM alignment on Whitesbridge Ave. near Thorne Ave. There was no evidence of the existing concrete base pavement in the bid documents and the concrete could not have reasonably been foreseen by the Contractor. Additional work to remove the concrete pavement was required, including saw cutting and hauling of the existing concrete.			\$37,762			1
		COR 005 - Furnish and install eleven advanced detector loops at Whitesbridge and Roeding.			\$7,030			0

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		COR 006 - During excavation for the RWTM at the intersection of Whitesbridge and West Ave., the Contractor encountered an existing AT&T duct at Sta. 376+58. The AT&T duct was neither marked nor shown on the plans. In order to preserve the duct and provide the required one foot of separation between the duct and the 18" RWTM, two additional 45 degree bends were installed to realign the RWTM pipeline. Additional excavation and backfill was required in order to install the bends.			\$5,859			0
		COR 007 - During excavation for the RWTM at Hughes Ave. and Dan Ronquillo Drive, the Contractor struck and damaged a street light conduit at Sta. 272+68. The conduit was unmarked and not shown on the plans. Additional work was required to repair the damaged conduit.			\$3,448			0
		WCD 005.2 - Potholing data along Hughes Avenue revealed several utilities in conflict with the 24" RWTM alignment which were not shown on the plans. Revisions for sheets 5, 7, and 8 were issued as a result of the utility conflicts. Due to vertical alignment changes, the Contractor performed additional excavation and backfill.			\$23,434			1
		WCD 005.3 - Potholing data along Whitesbridge Avenue revealed several utilities in conflict with the 24" RWTM alignment which were not shown on the plans. Revisions for sheets 10,11, 12, and 13 were issued as a result of the utility conflicts. Due to vertical alignment changes, the Contractor performed additional excavation and backfill.			\$22,783			1
		WCD 006 - Plan revisions for sheet 10 were issued on 02/12/2018 for WCD 5.3. Due to changes in the vertical alignment of the RWTM, the installation of an additional blow-off was required at Sta. 350+50.			\$9,500			0
		WCD 007 - The existing road section on the west side of the trench restoration zone on Hughes, south of HWY 180 (Sta. 279+00 through 283+00) was of insufficient thickness to build the overlay top course for trench restoration. The Contractor performed extra work removing and replacing the existing overlay with 4" of new AC.			\$9,008			1
		RFP 003 - Per the Contract, the Contractor was responsible for providing a construction trailer for the duration of the project. The trailer was provided, however, was not complete. Some of the items missing included electricity, working HVAC system, internet access, and parking area. The Contractor is providing a credit back to the City for the items not provided.			(\$8,623)			0
		Contract Bid Item Adjustment: Bid Item No. 17 - 4 Inch Combination Air Valve Assembly - Due to a change in the pipeline alignment, one (1) 4" CAV was eliminated, resulting in a credit back to the City. Contract Decrease \$13,500			(\$13,500)			0
		Contract Bid Item Adjustment: Bid Item No. 23 - Insulating Joint Test Station - It was determined by the City that the insulating joint test station was not needed. The Contractor was paid for the materials already purchased and has delivered those materials to the City. The City is being credited for the work that was not performed. Contract Decrease \$3,240.43			(\$3,240)			0
		Contract Bid Item Adjustment: Bid Item No. 24 - Foreign Pipe Test Station - A total of four (4) foreign pipe test stations were eliminated from the project, resulting in a credit back to the City. Contract Decrease \$16,000			(\$16,000)			0
		Contract Bid Item Adjustment: Bid Item No. 25 - Potential Test Station - A total of three (3) potential test stations were eliminated from the project, resulting in a credit back to the City. Contract Decrease \$13,500			(\$13,500)			0

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES								
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Additional Time (Days)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Potential or Pending Additional Time (Days)
		Contract Bid Item Adjustment: Bid Item No. 40 - Contractor's Pollution Liability Insurance - The unused portion of the Contractor's pollution liability insurance is being credited back to the City. Contract Decrease \$5,000			(\$5,000)			0
		Contract Bid Item Adjustment: Bid Item No. 38 - Supplemental Work - This item was established for completion of authorized extra work in accordance with Section 3, "Changes in Work", of the Standard Specifications. All Contractor work is complete, and therefore, the quantity for this Bid Item is not needed and is removed from the Contract. Contract Decrease \$300,000			(\$300,000)			0