



DEPARTMENT OF PUBLIC UTILITIES

CAPITAL IMPROVEMENT PROGRAM

LARGE CONSTRUCTION CONTRACTS

CHANGE STATUS REPORT

July 3, 2019
(Data through June 30, 2019)

Includes data for the following contracted projects:

Kings River Pipeline	WC00057-KRP	Garney Construction Co.
Regional Transmission Mains B/C	WC00065-RTMFD (Segments B&C)	Vido Artukovich & Son, Inc.
Recycled Water Transmission Main SW1B	TC00096-SW1B	Garney Construction Co.

Closed projects (data included in prior reports):

Water Storage Tank T-4	WC00061-TNK04	Mountain Cascade Construction Co.
Friant-Kern Canal Pipeline	WC00038-FKCP	Mountain Cascade Construction Co.
Southeast Surface Water Ttmt Facility	WC00057-SEWTF	W.M. Lyles Company
Regional Transmission Mains A1	WC00065-RTMFD (Segment A1)	Mountain Cascade Construction Co.
Regional Transmission Mains A2	WC00065-RTMFD (Segment A2)	Floyd Johnston Construction Co.
Recycled Water Transmission Main SW1A	TC00095-SW1A	Floyd Johnston Construction Co.
Recycled Water Transmission Main SW1C	TC00096-SW1C	Garney Construction Co.
Recycled Water Transmission Main SW1C2	TC00096-SW1C2	Bill Nelson GEC, Inc.

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: **Kings River Pipeline Project**
 Project Number: **WC00057-KRP**
 Data Date: **06/30/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$45,583,750	\$45,083,750	575
Approved Contract Change Orders:	\$403,259	\$403,259	204
		0.89%	
Current Contract Value:	\$45,987,009	\$45,487,009	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			\$403,259	204	\$0	\$2,207,730	\$0	156
Change Order Requests								
None								
Requests for Proposal								
None								
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					
		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					

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 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					
		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 shwn 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				

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 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 mitigate 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					
		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 rotated 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					

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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 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				
		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					

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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 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					
		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, an 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					

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)
		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				
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				

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 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					
		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					

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)
		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)					
CCO 008	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)					
Draft CCO 009	Draft Contract Change Order No. 009	Contract Bid Item Adjustment: Bid Item No. 2 Mediator - Credit for unused Mediator allowance. Credit \$47,270.00				(\$47,270)		
		Compensation for claims filed by Contractor as detailed in the Settlement Agreement.				\$2,255,000		156

Construction Contract Change Item Descriptions (CID)

Project Name: **Phase 2 Regional Transmission Main - Segment B&C**
 Project Number: **WC00065**
 Data Date: **06/30/19**

	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$11,490,484	\$11,190,484	500
Approved Contract Change Orders:	\$214,755	\$214,755	74
		1.92%	
Current Contract Value:	\$11,705,239	\$11,405,239	574



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			\$214,755	74	\$104,415	\$0	\$146,756	8
Change Order Requests								
COR 012	Base Paving on Temperance	During a job walk meeting on 5/9/2019, the County of Fresno requested that the Contractor extend the paving limits of N. Temperance Avenue from the requirements set forth in the contract documents. The already poor road conditions were exacerbated by construction so extending the paving was necessary to improve the travel lanes.					\$96,756	5
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.					\$50,000	
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			
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.			\$4,000			
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			

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 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 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.			\$1,401			
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			
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.			\$16,355			
WCD 014.1	Enclosure for Additional CAV at Chestnut-Dakota	Cost of enclosure for the additional CAV at Chestnut-Dakota intersection. Ref: WCD 014 included in approved Change Order No. 2.			\$3,870			
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.			\$3,020			

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 018	Dewatering of 24" Storm Drain & Installation of Additional Thirty-Three Feet of 42" RTM	Due to existing utilities, the installation of the 42" butterfly valve was moved 33 LF south to Sta. 919+52. This relocation required an additional 33 LF of 42" RTM to be installed using extra, unused pipe. Additionally, the existing 24" FMFCD storm drain that was to be removed and plugged was found to have stagnant storm water. The Contractor performed extra work pumping storm water from the 24" storm drain.			\$15,000			2
WCD 019	Relocation of CAV on Kings Canyon Ave	The CAV located on Kings Canyon Ave at Sta. 907+68 was installed per plan. The County of Fresno then requested that the CAV be relocated to create further separation between the CAV and the edge of pavement. To accomplish this, the contractor was directed to relocate the CAV to Sta. 906+63 and 20 feet north of the edge of pavement.			\$5,000			1
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					
		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 calendar 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).		56				
		In their letter dated March 27th, 2018 (transmittal 025), the Contractor claims they lost fifty-six (56) calendar 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.						

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 002	Contract Change Order No. 2	COR 02.1 – The traffic control plans included in the bid plans allowed for the installation of the RTM on Chestnut from Weldon Ave. to Clinton Ave. under a single phase of traffic control. In an effort to minimize the RTM construction's footprint and avoid restricting residential access on Chestnut Ave., City Traffic required that the traffic control be broken into two separate phases. Phase one was from Weldon Ave. to Cambridge Ave. and phase two was from Cambridge Ave. to Clinton Ave. The Contractor was not allowed to implement phase two of the traffic control until the first phase traffic control was removed and paving was completed within the work zone. Because of this contingency, the Contractor had to suspend their pipe laying operation on Chestnut Ave. while pavement restoration was being performed. Costs for this additional phase of traffic control include: Extra labor, additional traffic control, and equipment standby time.	\$11,607	3				
		COR 02.2 – The traffic control plans included in the bid plans allowed for the installation of the RTM on Chestnut from Olive Ave. to McKinley Ave. under a single phase of traffic control. In an effort to minimize the RTM construction's footprint and avoid restricting access to businesses on Chestnut Ave., City Traffic required that the traffic control be broken into four separate phases between Olive Ave. and McKinley Ave. COR 02.2 includes phases one and two of the required four phases. Phase one was from Olive Ave. to Floradora Ave. and phase two was from Floradora Ave. to Leisure Ave. The Contractor was not allowed to implement phase two of the traffic control until the first phase traffic control was removed and paving was completed within the work zone. Because of this contingency, the Contractor had to suspend their pipe laying operation on Chestnut Ave. while pavement restoration was being performed. Phase one of the traffic control is included in the Contractor's bid. Costs for implementing phase two of traffic control include: Extra labor, additional traffic control, and equipment standby time.	\$11,276	3				
		COR 02.3 – In an effort to minimize the RTM construction's footprint and avoid restricting access to businesses on Chestnut Ave., City Traffic required that the traffic control be broken into four separate phases between Olive Ave. and McKinley Ave. COR 02.3 includes phases three and four of the required four phases. Phase three was from Liesure Ave. to Sta. 722+00 and phase four was from Sta. 722+00 to McKinley Ave. The Contractor was not allowed to implement phase four of the traffic control until the third phase traffic control was removed and paving was completed within the work zone. Because of this contingency, the Contractor had to suspend their pipe laying operation on Chestnut Ave. while pavement restoration was being performed. Costs for phases three and four of traffic control include: Extra labor, additional traffic control, and equipment standby time.	\$14,369	3				
		COR 008 - Installation of the RTM on Kings Canyon Rd. from Temperance Ave. to Apricot Ave., was within the County of Fresno. During traffic control plan review, the County restricted the working hours from 9:00am and 4:00pm. Contract Specifications state that normal work hours are eight (8) hours per day (Spec. Section 01_32_16_H.14). Therefore, the Contractor lost 1.5 hours of work each day while working on Kings Canyon. Costs for this change in working hours include: Additional labor, rental of traffic control devices, and equipment rental.	\$39,365	3				
		COR 010 - Installation of the RTM on Kings Canyon Rd. from Temperance Ave. to Apricot Ave., was within the County of Fresno. County Traffic required that the Contractor place steel plates over unpaved trench between Clinton Ave. to Shields Ave. instead of erecting temporary fencing (as allowed by the Contract). Additional work was performed by the Contractor placing steel plates at the end of each work day and removal of the steel plates at the beginning of each work day. Costs for this change include: Additional labor and steel plate rentals.	\$11,879	2				

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 - While excavating for the RTM on Kings Canyon Road, an existing concrete base pavement was discovered below the top layer of asphalt. The concrete pavement could not have reasonably been foreseen or predicted by the Contractor, as no evidence of the concrete was present in the bidding documents nor geotechnical reports.. The Contractor performed additional work saw cutting and removing the existing concrete pavement. Costs also include additional traffic control and labor.	\$37,537	4				
		WCD 014 - During excavation for the RTM at the Chestnut and Dakota intersection, the Contractor uncovered a 6" electrical duct at Sta. 854+60. The 6" electrical duct was 3.5 FT lower than what was shown on the plans, resulting in a conflict between the electrical duct and the RTM. To avoid the conflict, the Contractor lowered pipe Mk. 277 approximately 18". This change in elevation created a high point in the RTM at joint MK. 276/277. In order to prevent air from becoming trapped at this high point, the Contractor performed additional work installing a 4" CAV near the spigot of pipe Mk. 276. Costs associated with the installation of the additional CAV include additional: Excavation and backfill, traffic control, labor, and materials. *This change reflects monetary compensation for the additional work performed by the Contractor. Time extension days for this change will be determined at a later date.	\$36,375	0				
		WCD 016 - Bid plans showed that City forces were 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 was unable to self-perform the work as shown in the bid plans and asked the Contractor to perform the connection. Since the 30" City water main can be shut-down, the Contractor was able to cut-in using full body ductile iron fittings. Work performing excavation, shoring, backfill and restoration of the trench is included in the Original Bid Price. *This change reflects monetary compensation for the additional work performed by the Contractor. Time extension days for this change will be determined at a later date.	\$27,911	0				

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1B**
 Project Number: **TC00096B**
 Data Date: **06/30/19**



	Actual	Exclude Supp Bud	Duration (Days)
Original Contract Value:	\$9,341,491	\$9,041,491	1000
Approved Contract Change Orders:	(\$164,144)	(\$164,144)	7
		-1.82%	
Current Contract Value:	\$9,177,347	\$8,877,347	1007

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			(\$164,144)	7	\$0	\$1,293,710	\$0	0
Change Order Requests								
None								
Requests for Proposal								
None								
Work Change Directives								
None								
Change Orders								
CCO 001	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.	\$4,381					
		COR 002 Revised Trench Credit Costs - The Contractor proposed changes to contract requirements for pipeline trench size and configuration. Proposed changes were reviewed by Engineer and found acceptable. The changes resulted in reduction of cost to the Contractor and savings to the City.	(\$87,201)					
		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.	\$11,352					
		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.	\$24,000	2				
		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.	\$9,273	1				
		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				

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 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				
		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					

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. 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)					
Draft CCO 002	Draft Contract Change Order No. 2	Contract Bid Item Adjustment: Bid Item No. 2 Mediator - Credit for unused Mediator allowance. Credit \$22,790.00				(\$22,790)		
		Compensation for claims filed by Contractor as detailed in the Settlement Agreement.				\$1,316,500		