



DEPARTMENT OF PUBLIC UTILITIES

CAPITAL IMPROVEMENT PROGRAM LARGE CONSTRUCTION CONTRACTS CHANGE STATUS REPORT

April 1, 2017
(Data through March 31, 2017)

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 Ttmt Facility	WC00057-SEWTF	Lyles Construction Co.
Regional Transmission Mains A1	WC00065-RTMFD (Segment A1)	Garney Construction Co.
Regional Transmission Mains A2	WC00065-RTMFD (Segment A2)	Floyd Johnston Construction Co.
Recycled Water Transmission Main SW1B	TC00095-SW1B	Garney Construction Co.
Recycled Water Transmission Main SW1C	TC00095-SW1C	Garney Construction Co.

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.

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: **04/06/17**

Original Contract Value: **\$15,157,862**
 Approved Contract Change Orders: **(\$70,274)**
 Current Contract Value: **\$15,087,588**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			(\$70,274)	\$0	\$47,683	\$565,000	0
Change Order Requests							
COR 001	Precast Concrete Building Electrical	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.			\$2,359		
COR 002	Additional Conduit to Flowmeter	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		
COR XXX	Split Red Cedar Posts	This change is associated with all extra work associated with the corrections necessary to bring the fencing of the Leshner Property into agreement with the Leshner 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 Leshner MOU.				\$35,000	
COR XXX	Reverse Pipe Installation	Change is result of additional costs associated with the reverse laying of 10 joints of 60 inch WSP from the intake flow meter, west to Armstrong Avenue in order to meet the April 1st contract date as required per agreement with the Garfield Water District.				\$75,000	
Requests for Proposal							
RFP 005	Additional Support for Grating at Turnout	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.			\$1,456		
RFP 006	Antenna Mast	This change adds conduits to provide the necessary connections to support radio communications between the NESWTF and the Friant Kern Canal turnout site.			\$12,886		
RFP 007	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.			\$13,178		
RFP 008	Asphaltic Coating Credit	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.			(\$11,069)		
RFP 009_Rev 1	NESWTF Connection Piping Redesign	This change responds to recent modifications to NESWTF plant operation scenarios with respect to source water supply by implementing changes to the piping layout for the connection of the FKCP to the NESWTF.				\$200,000	
RFP 010	Foothill Lane Road	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.				\$87,000	
RFP 011	Clovis Ave	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.				\$58,000	
RFP 012	Access Manways Manual Air Vents	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		
Work Change Directives							
WCD 002	Foothill Lane Temporary Road	This change provides weather related maintenance required to Foothill Lane temporary road to maintain safe access to residents and emergency responders.				\$110,000	

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
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. RFP 001 -- Tracer Wire Credit: Design Engineer irecommended that the tracer wire is no longer needed for this project. Cost credit of (\$6,883.00). 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. 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. RFP 003 -- 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 palcing cement mortar grout. Cost credit of (\$124,397.00).	(\$70,274)				

Construction Contract Change Item Descriptions (CID)

Project Name: **Kings River Pipeline Project**
 Project Number: **WC00057-KRP**
 Data Date: **04/06/17**

Original Contract Value: **\$45,583,750**
 Approved Contract Change Orders: **\$0**
 Current Contract Value: **\$45,583,750**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$0	\$0	(\$9,605)	\$606,610	60
Change Order Requests							
COR 001	Paleontological/Cultural Monitoring	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.				\$100,000	
COR 002	Monthly CMS Board	Change was initiated by the City to pay for additional signage for the Belmont Nursery as well as the Belmont Country Club.				\$2,972	
COR 003	Diversion Site Premium Costs	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		
COR 004	Base Rock to Provide All-Weather Surface	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.				\$448,638	
Requests for Proposal							
RFP 001	Epoxy Coated Pipe Specials - Item Dropped	This change was initiated by the Design engineer's recommendation for additional epoxy coating on steel specials instead of the specified tape coating. After reviewing contractor's proposal, the change was not made.				TBD	
RFP 002	Survey Monuments -- Item Dropped.	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 design documents, so 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.				\$50,000	
RFP 003	Tracer Wire Deletion	This change responds to Design Engineer's irecommendation that tracer wire is no longer needed for this project.			(\$17,958)		
Work Change Directives							
WCD 002	Staging Area Improvements	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.				\$5,000	
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 negatively impact ability to comission SESWTF on schedule. The is no cost change for this CCO.					60

Construction Contract Change Item Descriptions (CID)

Project Name: **Southeast Surface Water Treatment Facility**
 Project Number: **WC00057-SESWTF**
 Data Date: **04/10/17**

Original Contract Value: **\$158,766,000**
 Approved Contract Change Orders: **\$1,126,615**
 Current Contract Value: **\$159,892,615**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$1,126,615	\$261,934	\$470,980	\$587,500	0
Change Order Requests							
COR Pending	Add Conduit L-81-158 (RFI 0098)	Contractor requested additional compensation for adding a 3/4 inch conduit resulting from clarifications provided in RFI 0098.				\$7,500	
COR 016	COP XXX VOIP Switches	Change the components of the VOIP Firewall to meet connection requirements of the City-Wide CISCO Identify Services Engine.				\$80,000	
Requests for Proposal							
RFP 022 WQ	COP 018.1 Caustic Soda Tank Mixers (DC 036)	Added mixers for CaOH chemical feed capability in the NaOH tanks. Timing was urgent on this item.		\$110,696			
RFP 047 WQ	COP 053 Caustic Tank Eductor	Design modifications to Delete Caustic Tank Eductor.			(\$5,243)		
RFP 024 WQ	COP 020 Raw Water Pipe Tap (DC 038)	Provide a 10-inch tap on the 72-inch raw water pipeline for injection of lime slurry. Timing was urgent on this item.		\$15,002			
RFP 034 WQ	COP 041 Chem Tank Mixers El&C (DC 044)	Adds electrical and control equipment mixers for CaOH chemical feed capability in the NaOH tanks.			\$72,456		
RFP 037 WQ	COP 038 Lime Fill Access Station (DC 047)	Provides a lime fill access station in the Chemical Facility for the CaOH system.		\$21,706			
RFP 039 WQ	COP 031 TW Pipe Tap for CO2 (DC 039)	Provides modifications to the 84 inch treated water pipe by adding a 16-inch connection for lime feed and increasing the size of two carbon dioxide connections/injectors. Timing was urgent on this item.		\$27,592			
RFP 040 WQ	COP 044.2 Caustic Pumps (DC 049.1)	Provides modifications to the NaOH feed system and adds three additional CaOH fee pumps.			\$34,231		
RFP 042 WQ	COP 048 Lime Tank Roof Hatches (DC 052)	Provides roof access hatches over lime tanks to service the vertical mixers.		\$19,379			
RFP 043 WQ	COP 046 Caustic Tank Changes (DC 053)	Provides modifications to the specified NaOH storage tanks so they can converted to CaOH storage tanks.			\$8,187		
RFP Pending	COP xxx Upgrade Plant Networking System	A CaOH chemical feed system will be added to provide additional corrosion sequestering based on testing done at the NESWTF.				\$500,000	
Work Change Directives							
None							
Change Orders							
CCO 001	Contract Change Order No. 1	RFP 001 - CM Trailer Modifications - Modification of design for CM trailer complex, including reduction in size to align with a revised approach to housing the Program Team and CM teams for SESWTF and KRP projects. Credit \$1,153,313 WCD 002 - Establish Supplemental Line Item - Addition of supplemental task line item and budget to the construction contract in line with City's standard approach to change management and to allow for timely processing of time-critical changes during the course of construction. Cost Increase \$1,000,000	(\$153,313)				
CCO 002	Contract Change Order No. 2	RFP 002 (WCD 001) - Finished Water Reservoir Change - Modification of finished water reservoir configuration to provide an overall cost savings. Credit \$1,552,734.	(\$1,552,734)				
CCO 003	Contract Change Order No. 3	COR 004 -- VECP 001 -- Modify Site Permiter Block Wall from 6'-6" deep by 1'-0" wide footing to a 1'-6" deep by 3'-6" spread footing to provide the same foundation performance with less excavation, backfull, and concrete. Credit \$34,717. COR 004 -- VECP 002 -- Modify the crack control joints in Backwash Sludge Lagoons to provide the same level of shrinkage crack control with less manual saw-cutting and joint sealant. Credit \$62,224. COR 004 -- VECP 003 -- Change the Treated Water Reservoir structural underdrain collectors from buried Scheudle 80 PVC pipe to and HDPE dual wall corrugated pipe. Credit \$59,633.	(\$156,564)				

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
CCO 004	Contract Change Order No. 4	COR 006 -- VECF 004 -- The current design calls for a cable trays installed about 20' above grade for routing cables within the Chemical Facility. This proposal relocates these wires to under-slab and in-slab conduits. Spare conduits and concrete encasement are provided. Credit \$100,581. COR 003 -- COP 009.1 -- Modifications to electrical feeder breaker DPOPS-1 in the chemical building. Cost increase \$6,429. COR 005 -- COP 014 -- 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. Cost increase \$24,938. RFP 023 -- COP 015 -- Minor revisions to security sytem device locations. Cost increase \$19,573. RFP 017 -- COP 016 -- Upgrades the type of fuel tank in response to recently changed City of Fresno Fire Department requirements for generator base mounted diesel fuel tanks to be constructed and listed to UL 2085 in lieu of UL 142. Cost increase \$172,899. RFP 019 -- COP 019 -- Delete the two 6" ozone vents located inside the ozone contact basins, including the slab penetration and pipe support. Credit \$2,707.00. COR 001 -- COP 006 -- Add additional exit sign in the Ozone Facility lower level. Cost increase \$1,424. COR 002 -- COP 007 -- Add additional conduit tags for heat trace wire. Cost increase \$3,680. RFP 007 -- COP 005 -- Reroute 36-in BWS pipeline to provide more efficient flow and less opportunity for air entrainment. Cost increase \$8,461. RFP 009 -- COP 003 -- Revise landscaping plan to mitigate for removal of large California Live Oak. Cost increase \$4,245. RFP 011 -- COP 008 -- Change the location of the ISO Flanges on the Finished Water Transmission Main leaving the site. Reduces the number of ISO flanges. Credit \$29,658. WCD 003 -- COP 004 -- CM directed abandonment of old water well on site. Cost increase \$3,168. WCD 002 - COP 011 -- CM directed removal of old residential garbage dump on site. Cost increase \$14,649.	\$126,520				
CCO 005	Contract Change Order No. 5	RFP 029 -- COP 023 -- Added scope for SCADA (plant control system) programming. Originially anticipated to be performed under separate contract, it was determined that addition of scope to the SESWTF construction contract was the most effective and efficient method of implementation. Thus this change does not require additional funding for the overall project. Cost Increase \$2,493,750	\$2,493,750				
CCO 006	Contract Change Order No. 6	COR 007 -- COP 025 -- Delete concrete encasement of plumbing under Operations Building and Maintenance Facility and install per code for occupied buildings. Credit \$21,465 RFP 015 -- COP 012 -- Add several conduits and cables to support the required ozone emergency shutoff switches. Cost Increase \$5,590 RFP 016 -- COP 017 -- Provide larger panel boards for LP-MAINT-1 and DP-MAINT-1 to accommodate the maintenance shop requirements to support pipe heat tracing. Cost Increase \$48,399 RFP 021 -- COP 013 -- Miscellaneous changes to electrical service to plumbing fixtures. Cost Increase \$9,560 RFP 025 -- COP 021 -- Add 36 stator baffle walls to improve flow patterns in the flocculation basins at high flow rates. Cost Increase \$140,989 WCD 007 -- FO 002 -- CM directed contractor to excavate saturated soils and replace with compacterd granular on Olive Ave in order to provide suitable road subgrade. Cost Increase \$47,898 WCD 008 -- FO 001 -- CM directed contractor to excavate saturated soils and replace with compacterd granular on Floradora Ave in order to provide suitable road subgrade. Cost Increase \$34,148	\$265,119				

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
CCO 007	Contract Change Order No. 7	COR 008 -- Contractor suggested that the west wall of the filter building requires damp proofing on the buried section and the DE concurred. \$2,018.00	\$103,837				
		COR 009 -- Revised wall opening at two locations for connection between Ozone and Filtration processes. \$24,876.00					
		RFP 012 -- COP 028 -- Delete the removal & reinstallation of 107 LF of 8" PVC C-900 water main in Floradora Avenue from Sta. 36+36.02 to Sta. 37+06.22. Credit \$4,280.00					
		RFP 020 -- COP 030 -- During construction of the CM trailer, several modifications were required: ADA parking spots, reduced scope of fire alarm, reduced scope of security, and added networking capability. \$60,156.00					
		RFP 027 -- COP 027 -- Several miscellaneous changes to the piping in Floradora resulted from CoF and FID plan checks at beginning of project. \$10,790.00					
		RFP 036 -- COP 032 -- Change modifies the connection detail for the CAV line to the 16-inch potable water line. \$6,674.00					
		RFP 046 -- COP 033 -- Provides revisions to the ozone destruct vent piping based on manufacturer's recommendations. Timing was urgent on this item. \$3,603.00					
DRAFT CCO 008	Contract Change Order No. 8	COR 010 -- COP 037 -- CoF Fire Department review of the Fire Alarm panel resulted in some mandatory changes to the specifications. (RFI 0165)			\$16,796		
		COR 011 -- COP 045 -- Contractor requested additional compensation for multiple changes in electrical feeder sizes resulting from clarifications provided in RFI 0131.			\$13,363		
		COR 012 -- COP 047 -- Change the ceiling in Server Room, 80.24, from acoustic ceiling tiles to a hard lid gypsum wall board ceiling to contain the clean agent fire suppression system. (RFI 0173)			\$3,694		
		COR 013 -- COP 052.1 -- Change the components of the VPN Firewall to meet connection requirements of the City-Wide CISCO Identify Services Engine for all VPN communications. (RFI 0228)		\$67,559			
		COR 014 -- COP 057 -- Change the CTS Diffuser material from PVC to stainless steel. (RFI 0231)			\$9,531		
		COR 015 -- COP 062 -- Change two in-line diffusers on Polymer feed system from PVC to Hastelloy-C per manufacturer requirement.			\$2,583		
		RFP 052 -- COP 060 -- Modify the Ops Building Entryway Sunshade to coordinate with CMU wall configuration. (DC 066)			\$2,137		
		RFP 026 -- COP 036 -- Change configuration of local control panels for field equipment. (DC 042)			\$6,358		
		RFP 033 -- COP 035 -- Several miscellaneous changes to the offsite street lighting resulted from CoF plan checks at beginning of project. (DC -029)			\$67,363		
		RFP 035 -- COP 043 -- Provides modifications to the telephone service conduits to accommodate AT&T revised service plans. (DC 045)			\$17,856		
		RFP 041 -- COP 039.2 -- Provides plates to cover trenches over access manways to Ozone Contact Basins. (DC 050)			\$6,736		
		RFP 044 -- COP 040 -- Provides revisions to main entrance to the operator room for added security. (DC 055)			\$2,695		
		RFP 045 -- COP 042 -- Provides changes to the turbidimeters to align with the City's standards. (DC 056)			\$27,594		
		RFP 046 -- COP 049 -- Provides connection on 72-inch Raw Water Pipeline for future extension to the T3 facility. (RFP 078)			\$74,995		
		RFP 048 -- COP 055 -- Extend the Meter Vault access hatch 12 inches above grade for visibility and provide three bollards on the south side. side of the manhole. (DC 055)			\$6,573		
		RFP 049 -- COP 056 -- Add CAV Valves on various high points on the PW Line. (DC 060.1)			\$5,687		
		RFP 050 -- COP -- 058 -- Install a 1" CAV on 6" PW south of the Operations Building. (DC 064)			\$5,163		
		RFP 051 -- COP 059 -- Provide security screen on the Perimeter Wall Opening stormwater overflow section. (RFP 009)			\$9,848		

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
		RFP 053 -- COP 061 -- Increase the SCADA Hardware Allowance from \$20,000 to \$22,613 per City direction to upgrade local network server storage capacity .			\$2,613		
		RFP 054 -- COP 063 -- Change the flooring type in the Operations Building upper story hall (80.30) from Polished and Densified Concrete to Linoleum with a pattern per the attached figure. (DC 065)			\$6,281		
		WCD 009 -- COP 050 -- Provide soil-cement soil stabilization on Olive Avenue per the recommendations of BSK Associates due to saturated subgrade .			\$73,483		

Construction Contract Change Item Descriptions (CID)

Project Name: **Phase 2 Regional Transmission Main - Segment A1**
 Project Number: **WC00065**
 Data Date: **04/06/17**

Original Contract Value: **\$28,471,884**
 Approved Contract Change Orders: **\$0**
 Current Contract Value: **\$28,471,884**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$0	\$88,282	\$3,171	\$250,000	0
Change Order Requests							
COR 003	Additional Signs - Fowler to Clovis	Contractor pursuing additional costs associated with furnishing special notification signage to address public outreach concerns for businesses along the project alignment.			\$3,171		
Requests for Proposal							
RFP 003	Paleontological Monitoring	The specifications require Paleontological Monitoring by the Contractor consistent with the City environmental impact report. Cost to be borne by City. Number of monitoring days is to be determined.				\$160,000	
RFP 007	Additional Contraction Trailer	In an effort to share resources, the Recycled Water Transmission Main construction staff was relocated to the Regional Transmission Main field offices. This RFP is for the provision of an additional trailer to be used solely as a conference room for field meetings for both projects.				\$20,000	
Work Change Directives							
WCD 002	Crossing Guard	Per City's request, MCI to provide a crossing guard at the intersection of Peach Street and Olive Avenue for the duration of work involving the signal modifications that are set to "Flashing Red". The purpose of the crossing guard is to assist students walking to Turner Elementary; however, this Work Change Directive and Contractor's proposal, once agreed, shall be used for any future instances that may require a school crossing guard.				\$10,000	
WCD 004	Test Station Schedule Modifications	The RTM pipeline is steel, but has smaller diameter ductile-iron branches that are used to drain and bleed air from the RTM pipeline. At the branch connections, plumbing kits are installed in order to electrically separate/isolate the steel pipe from the ductile iron pipe in order to minimize possible future pipe corrosion. This RFP is for the Contractor to install permanent monitoring points at these branches to evaluate possible corrosion.				\$15,000	
WCD 005	Alignment Revision at Willow Ave.	A gas main was discovered in conflict at Olive Avenue and Willow Avenue after the project was bid but prior to construction. This WCD is for the realignment of the RTM at Willow.				(\$15,000)	
WCD 006	Alignment Revisions at Olive and Maple	Per SJVRR requirements, the Contractor was directed to install a steel casing to surround RTM pipe segments in the vicinity where abandoned railroad tracks are located on Maple Avenue. The requirement of a casing pipe was not identified until after the Contract was bid and thus not shown in the Project Plans.				\$60,000	

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Change Orders							
DRAFT CCO 001	Contract Change Order No. 1	COR 1 For safety reasons, the Contractor proposes adding crash cushions at the leading edge of concrete barrier wall (K-rail) near live-traffic lanes.		\$40,381			
		RFP 001 The City provided a site for staging for the RTM projects prior to Contract Bid. This site is for storage of materials and field office trailers. The power for the field office trailers was to be supplied by overhead electric lines; however, it has been determined that the power lines only contain high-voltage power. This RFP is for providing metering cabinets, associated electrical work for bringing the high voltage power onto the site and transforming power supply to 110V for the field offices.		\$17,202			
		RFP 002 Proposal to modify the manways in the RTM pipe (for access to the pipe interior) for safer ingress/egress.		\$17,151			
		RFP 004 City requested that additional joint assemblies be furnished by the Contractor to enable efficient adjustment of pipeline alignment during construction, if required due to unknown utility conflicts. This will reduce cost risk associated with potential unknown conditions.		\$12,159			
		WCD 003 Modify traffic control to create entrance for Beacon Gas on Olive Ave		\$1,389			

Construction Contract Change Item Descriptions (CID)

Project Name: **Phase 2 Regional Transmission Main - Segment A2**
 Project Number: **WC00065**
 Data Date: **04/06/17**

Original Contract Value: **\$18,204,180**
 Approved Contract Change Orders: **\$0**
 Current Contract Value: **\$18,204,180**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$0	\$16,305	\$128,212	\$45,000	0
Change Order Requests							
COR 001	Additional Pothole at Fresno Bore Pit	An unknown conduit was discovered by the Contractor prior to construction at the tunneling of the FID dry creek canal in Fresno south of McKinley. This conduit is in direct conflict with the installation of the work shaft for the tunneling construction. No utility claimed the conduit, and the Contractor is unable to construct the tunnel as designed. This RFP is issued to Floyd Johnston Construction (FJC) for the purpose of re-exposing the conduit in order to either confirm utility ownership or utility abandonment.		\$3,153			
Requests for Proposal							
RFP 001	Access Manways	Proposal to modify the manways in the RTM pipe (for access to the pipe interior) for safer ingress/egress.		\$9,144			
RFP 002	Traffic Control Mods - Fresno St. FID Xing	Traffic control changes necessary for safe access to/from San Joaquin Memorial High School during pickup and dropoff. Also, additional signage for 4-way stop signs at Floradora and Fresno Street.			\$11,328		
RFP 003	Additional Utility Investigations	Three unknown conduits were discovered by the Contractor prior to construction at the tunneling of McKinley and Blackstone. These conduits are in direct conflict with the installation of the work shaft for the tunneling construction. No utility claims these conduits, and the Contractor is currently unable to construct the tunnel as designed, and also cannot proceed with pipe fabrication. This RFP is issued to Floyd Johnston Construction (FJC) for the purpose of re-exposing the unknown utilities and tracing the utilities using a utility locator equipment in order to either confirm utility ownership or utility abandonment.		\$4,009			
Work Change Directives							
WCD 001	Alignment Relocation of H Street Bore	Prior to construction, the Contractor located (previously unidentified) utilities that were in conflict with the installation of the Contract Work. Realignment of tunneling pits were necessitated to avoid conflicting utilities.			\$20,265		
WCD 002	Alignment Changes From Preconstruction Pothole Data	Prior to construction, the Contractor excavated test-holes to locate utilities that may conflict with the RTM pipe. On Palm, between Belmont and McKinley, the Contractor found utilities in conflict. This work change directive is for modifications to the RTM pipe prior to fabrication, and for the costs associated with installing the RTM deeper than the original design.			\$96,619		
WCD 003	Test Station Schedule Modifications	The RTM pipeline is steel, but has smaller diameter ductile-iron branches that are used to drain and bleed air from the RTM pipeline. At the branch connections, plumbing kits are installed in order to electrically separate/isolate the steel pipe from the ductile iron pipe in order to minimize possible future pipe corrosion. This RFP is for the Contractor to install permanent monitoring points at these branches to evaluate possible corrosion.				(\$15,000)	
WCD 004	Paleontological Monitoring	The specifications require Paleontological Monitoring by the Contractor consistent with the City environmental impact report. Cost to be borne by City. Number of monitoring days is to be determined.				\$60,000	
Change Orders							
None							

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1B**
 Project Number: **TC00096B**
 Data Date: **04/03/17**

Original Contract Value: **\$9,341,491**
 Approved Contract Change Orders: **\$0**
 Current Contract Value: **\$9,341,491**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$0	(\$10,658)	\$0	\$18,444	30
Change Order Requests							
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.				\$6,444	
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.		(\$87,201)			
COR 003	Agency Permitting Impacts	The Contractor has provided written notice of intent to pursue compensation for schedule delays and cost impacts associated with County of Fresno permit conditions and traffic control requirements, as well as additional railroad crossing permitting requirements. Merit for County of Fresno related issues has not yet been determined. At this time, the Contractor has provided only a general notice and has not yet identified specific changed conditions, costs, and other supporting information needed for merit review and change determination.				TBD	TBD
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 005	Extended Irrigation Season	Fresno Irrigation District extended the end of the 2016 irrigation season from August 31st, as identified in the contract plans and specifications, to September 30th.					30
COR 006	Petro Mat Removal	It was revealed during construction, that existing asphalt sections of 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.				\$3,000	
Requests for Proposal							
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)			

Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
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			
Work Change Directives							
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	
Change Orders							
None							

Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1C**
 Project Number: **TC00096C**
 Data Date: **04/03/17**

Original Contract Value: **\$4,198,175**
 Approved Contract Change Orders: **\$269,718**
 Current Contract Value: **\$4,467,893**



APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
Total			\$269,718	\$7,495	\$2,331	\$0	3
Change Order Requests							
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.			\$2,331		
Requests for Proposal							
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
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. \$246,511.92 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. \$19,192.77 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. \$4,013.12	\$269,718				