



# **DEPARTMENT OF PUBLIC UTILITIES CAPITAL IMPROVEMENT PROGRAM LARGE CONSTRUCTION CONTRACTS CHANGE STATUS REPORT**

July 1, 2016  
(Data through June 30, 2016)

## **City of Fresno Department of Public Utilities**



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 change items for all 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: **T4 Water Tank and Booster Pump Station**  
 Project Number: **WC00061-TNK04**  
 Data Date: **06/30/16**

Original Contract Value: **\$10,089,000**  
 Approved Contract Change Orders: **(\$11,443)**  
 Current Contract Value: **\$10,077,557**



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)
<b>Total</b>			<b>(\$11,443)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>195</b>
<b>Change Order Requests</b>							
None							
<b>Requests for Proposal</b>							
None							
<b>Work Change Directives</b>							
None							
<b>Change Orders</b>							
DRAFT CCO 001	PC 001 Block Wall	Revision of site perimeter block wall footing detail necessary to accommodate new fence design requirement imposed by planning. \$1,302	(\$11,443)				195
	PC 002 Floor Drain	Addition of one (1) floor drain to align with pump discharge ARV outlet line. \$842					
	PC003 E-Stop	Modification of emergency stop devices to improve access for stopping electric drive equipment items in an emergency situation. \$13,101					
	PC 004 AT&T Location	Revision of conduit locations for AT&T service after on-site consultation with AT&T. This service supports the Water Division SCADA system. \$12,396					
	PC 005 Delete Pump	Deletion of supply of one (1) of the four (4) main booster pumps, preserving ability to install future pump as water demands increase. Credit \$42,429					
	PC 006 Street Lt Conduit	Revision of conduit locations for service to CoF Public Works street lighting after on-site consultation with DPW field engineer. \$3,345					
	PV 007 Remove Ext Conc	Removal of existing concrete structure that was found at the location for the site perimeter block wall footing. \$2,094					
	PVC 008 Trap Primers	Revision of detail for the drain trap primers because the specified device required more depth than shown if the original design detail. \$6,189					
	PC 009 Water Softener	Addition of water softener to the building cooling system to comply with specified manufacturer's recommendation. \$9,046					
	PC 010 Building Ladder	Revision of location and details for building roof access ladder to provide a safer working environment. \$2,179					
	PC 011 PRV Pump Room	Revision of plumbing details for pressure relief valve on booster pump discharge header to improve access for future maintenance. \$3,344					
	PC 012 Fire Dep Permit	Reimbursement to Contractor for required fire department permit that was not specified to be a contractor responsibility. \$508					
	PC 013 Fencing	Revision of site perimeter fencing along H-Street to use the City's standard decorative wrought iron fence details. This was required because the contract document specified a lower quality fence. \$15,339					
	PC 014 Street Lt Wire	Replacement of street light wiring to standardize the wire colors to DPW standards for maintenance/safety standardization. The specifications did not identify a specific color scheme and the contractor had already installed the wiring before the issue was discovered by a City inspector. \$3,561					
	PC 015 Data Comm Changes	Modifications to data communications system to accommodate Water Division & City standards. The design had been approved prior to these standards being implemented. \$4,794					
	PC 016 PG&E Bills	Reimbursement from Contractor to City for power used by Contractor supplied through the PG&E electrical power service paid by the City. Credit \$3,890					
	PC 017 EFIS at Wood Fascia	EIFS Backing - Modify Sheet A-11 Detail 1 as per RFI 115 to provide foam cover over wood fascia so that cement plaster may be applied. As per the manufacturer, the cement plaster cannot be applied directly to wood. \$7,887					

## 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)
	PC 018 Tank Surface Coating	Tank Surface Finish - Provide sprayed acrylic paint coating instead of troweled cement plaster coating on the plain wall areas of the tank. The shotcrete finish is not a smooth enough surface to trowel-apply the cement plaster. Credit \$3,428					
	PC 019 GenSet Block Heater Brkr	Circuit Breaker - Provide a 208V/40A instead of 120V/20A circuit breaker for the genset block heater as per letter dated 1/12/2016. \$1,282					
	PC 020 Altitude Valve Sensing Line	Altitude Valve Tubing - Install additional tubing for the altitude valve level sensor on the tank fill pipe. \$4,769					
	PC 021 Drill Rig access	Drill Rig Access Earthwork for UST Removal. \$1,228					
	PC 022 Seal Sidewalk at Tank	Caulking at Tank - Add caulking the joint between the tank wall and the perimeter sidewalk to prevent rain water from flowing into the leak detection system below the sidewalk. \$3,006					
	PC 023 Fire Alarm Permit	Fire Alarm Permit - Reimburse Contractor for permit fee charged by the City Fire Dept. All City permits are to be paid for by the Water Dept. \$575					
	PC 024 GenSet Overfill Preventer	Overfill Prevention Device on Genset Fuel Tank. \$516					
	PC 025 UST Change Cond	Compensation for additional cost and schedule delay associated with removal of underground storage tank, which was not identified on the construction drawings, and related soil remediation. \$165,000					
	PC 026 Credit Supplemental Work	Credit "Bid Item 10, Supplemental Work" allowance back to the contract. \$200,000					
	PC 026 Delete Mediation	Credit for unused cost allowance for dispute resolution. \$24,000					

# Construction Contract Change Item Descriptions (CID)

Project Name: **Southeast Surface Water Treatment Facility**  
 Project Number: **WC00057-SESWTF**  
 Data Date: **06/30/16**

Original Contract Value: \$158,766,000  
 Approved Contract Change Orders: (\$1,862,611)  
 Current Contract Value: \$156,903,389



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)
<b>Total</b>			<b>(\$1,862,611)</b>	<b>\$3,328</b>	<b>\$0</b>	<b>\$1,336,950</b>	<b>30</b>
<b>Change Order Requests</b>							
COR 001	COP 006 Exit Signs and Jboxes (RFI0029)	Add additional exit sign in the Ozone Facility lower level.		\$1,424			
COR 002	COP 007 Conduit Tag L-70-722 (RFI0035)	Add additional conduit tags for heat trace wire.		\$3,680			
COR 003	COP 009R DP-OPA-1 Feeder Brkr (RFI0021)	Increase DP-OPS-1 feeder breaker to be 800 amp frame and 600 amp trip from 400 amp frame and 400 amp trip.		\$7,763			
<b>Requests for Proposal</b>							
RFP 003	DC 003 Ozone Contact Basin Drain Valves	Move ozone contact basin drain valves and add victaulic couplings to facilitate valve removal. Modify valve vault structure to suit.				\$5,000	
RFP 004	DC 004 Chemical Injector Size	Change the size of the chemical injectors in typical detail M475 on drawing GM-007 as follows: a) SCH-FE increase dimension F to 1/2" injector; b) PPH-FE increase dimension F to 1/2" injector; c) CS-FE increase dimension F to 1" injector.				\$7,500	
RFP 005	DC 006 Ozone Access Materials	Change two ozone area manways to 316L stainless steel with Viton gaskets.				\$4,000	
RFP 006	COP 010R Offsite MH Coating	Provide corrosion mitigation coating to one offsite sewer manhole to comply with CoF DPW standards.				\$47,950	
RFP 007	COP 005 BWS Rerouting	Reroute 36-in BWS pipeline to provide more efficient flow and less opportunity for air entrainment.		\$8,461			
RFP 008	DC 010 Misc Electrical Changes	Change the following: a) revise access hatch receptacle conduits and junction boxes; b) revise the AT&T pullboxes to relocate boxes out of right hand turn lane off Armstrong; c) Incorporate conduit tag changes.				\$7,500	
RFP 009	COP 003 Landscaping Revisions	Revise landscaping plan to mitigate for removal of large California Live Oak		\$4,245			
RFP 010	DC 020 Chemical System Drains	Change the type of piping from the schedule in the drawings to ensure chemical compatibility.				\$7,500	
RFP 011	COP 008 Offsite Isolation Flange	Change the location of the ISO Flanges on the Finished Water Transmission Main leaving the site. Reduces the number of ISO flanges from 3 to 2.		(\$29,658)			
RFP 012	DC 022 Floradora PW Pipe Delete	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.				(\$7,500)	
RFP 013	COP xxx Ozone Sample Changes (DC 019)	Change the following: a) raise pper slab of the ozone sample sump 1 foot; b) revise Installation of the above slab ozone sample drain piping; c) Install the ozone sample drain piping top be Sch 80 PVC.				\$5,000	
RFP 014	COP xxx CP Joint Bond Criteria (DC 021)	Change the pipe joint bonding criteria to decrease the resistance across the gasketed joints.				\$5,000	
RFP 015	COP xxx Ozone Emergency Stops (DC 025)	Add several conduits and cables to support the required ozone emergency shutoff switches.				\$7,500	
RFP 016	COP xxx Area 81 Panel Schedules (DC 027)	Provide larger panel boards for LP-MAINT-1 and DP-MAINT-1 to accommodate the maintenance shop requirements.				\$7,500	
RFP 017	COP xxx Genset Fuel Tank UL List (DC 028)	Update specification 16232 to incorporate UL 2085 listing requirements for the base mounted fuel tank in lieu of UL 142 listing to meet CoF FD rules.				\$35,000	
RFP 018	COP xxx Flow Cont Valve Spacing (DC 023)	Modify configuration of the flow control vault piping to provide better access around valve actuators. Modify chemical diffuser configuration to minimize conflict between diffuser and wall. Revise valve positioning and orientation to provide better access to valve controls and around actuators.				TBD	
RFP 019	COP xxx Delete 6-in Ozone Vent Pipe (DC 030)	Delete the two 6" ozone vents located inside the ozone contact basins, including the slab penetration and pipe support.				(\$5,000)	
RFP 020	COP xxx Fiber Optic Cables (DC 024)	Rerouting of fiber optic cables to site.				\$2,500	
RFP 021	COP xxx Plumbing Fixt Electrical (DC 026)	Miscellaneous changes to electrical service to plumbing fixtures				\$5,000	
RFP 022	COP xxx Add CaOH Chem Feed	A CaOH chemical feed system will be added to provide additional corrosion sequestering based on testing done at the NESWTF				\$1,000,000	20
RFP 023	COP xxx Add Stater Walls Flocculators	Vertical stater wall to be added to flocculation basins in order to improve flow patterns and aid in floc formation				\$200,000	10

## 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)
<b>Work Change Directives</b>							
WDC 001	Field Add extra RCP	CM directed installation of additional RCP irrigation pipe on Floradora Ave.				\$2,500	
WDC 002	COP 011 Remove Garbage Dump	CM directed removal of old residential garbage dump on site.		\$4,245			
WDC 003	COP 004 Well Abandonment	CM directed abandonment of old water well on site		\$3,168			
WDC 004	Material Substitution	CM allowed electrical sub to substitute material for underground conduit				TBD	
WDC 005	Olive Ave -- 12" SS Relocation	CM directed contractor to relocate 12" sanitary sewer on Olive Ave to avoid power pole conflict.				TBD	
<b>Change Orders</b>							
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 001 - 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. \$1,000,000	(\$153,313)				0
CCO 002	Contract Change Order No. 2	RFP 002 - Finished Water Reservoir Change - Modification of finished water reservoir configuration to provide an overall cost savings. Credit \$1,552,734.	(\$1,552,734)				0
CCO 003	Contract Change Order No. 3	VE 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, backfill, and concrete. Credit \$34,717.00  VE 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 \$62,124.  VE 003 -- Change the Treated Water Reservoir structural underdrain collectors from buried Schedule 80 PVC pipe to and HDPE dual wall corrugated pipe. Credit \$59,633.	(\$156,564)				0

# Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1A**  
 Project Number: **TC00096A**  
 Data Date: **06/30/16**

Original Contract Value: **\$7,877,153**  
 Approved Contract Change Orders: **\$262,730**  
 Current Contract Value: **\$8,139,883**



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)
<b>Total</b>			<b>\$262,730</b>	<b>\$104,343</b>	<b>\$0</b>	<b>\$0</b>	<b>7</b>
<b>Change Order Requests</b>							
N/A	Contract Authorized Rain Days	RWTM Projects are working day contracts that allow for the addition of rain days in accordance with City Standard Specifications Section 6-8 (The indicated rain days are a calculated conversion of work days to calendar days).					7
COR 003	Unsuitable Existing Road Subgrade	The Contractor is seeking reimbursement for costs associated with road remediation for areas within Cornelia Avenue of unsuitable subgrade conditions as determined by the County.		\$38,686			
COR 004	Remediation of Leaking FID Facility	Proposed costs are associated with the emergency response and repair/replacement of a leaking 24" FID pipeline encountered within the project trenching zone. <u>Extra work included extended hours and weekend time.</u>		\$6,583			
COR 005	Removing Unidentified Concrete	The Contractor removed and disposed of unidentified buried concrete encountered within the trenching area for approximately 1500 linear feet along Jensen Avenue.		\$16,266			
COR 006	Remediation of Leaking City Irrigation Line	The Contractor encountered an electrical duct bank conduit and a 24" pipeline within the RWTM trenching zone while performing excavating operations. The unidentified utilities were located north of Canal "A" within the WWTP and were not shown on the Contract plans.		\$3,454			
COR 007	Overtime Inspection Credit Costs	Reimbursement of inspection overtime costs in accordance with Section 2-10 of the City Standard Specifications (through 6/30).		(\$5,824)			
COR 008	Irrigation Pipe Repair	The 24" City irrigation line at approximately Sta. 60+15 was uncovered with a leaking joint inside the 48" RWTM trench line. The Contractor provided concrete closure collar and repair to remedy the existing irrigation line.		\$1,680			
<b>Requests for Proposal</b>							
RFP 002A	Connection Point/ Stub outs Credit	The City directed the amendment of the SW1A connection point to the future pump station shown on the contract plans to eliminate a portion of 54" RWTM pipe and replace the noted dished head with a blind-flanged connection.		(\$19,757)			
<b>Work Change Directives</b>							
WCD 001.1	Revised Pipe Profiles - Pothole Results	Extra work was authorized to perform pipeline profile changes associated with the information received from the Contractor's potholing operations.		\$63,255			
<b>Change Orders</b>							
CCO 001	Contract Change Order No. 1	<p>COR 001 - Extend 72" Casing - The Contractor's excavation for the jacking pit at Canal "A" uncovered an electrical duct bank that was not shown on the contract plans. The electrical duct bank was directly over the design location for the end of the 72" casing as shown on the plans. The jacking pit excavation was relocated a few feet as necessary to avoid the duct bank and the 72" steel casing was accordingly extended an additional 3' to reach the revised location. \$4,668</p> <p>COR 002 - Expanded Surface Restoration - The existing road surface was found to be in poor condition with many areas of unsound asphalt surface for the nearly 2-mile long segment of Cornelia Avenue associated with the SW1A Project. A joint agreement was established that reduced the required asphalt cross section thickness over the trench and expanded a limited surface restoration outside the trench width to the full limits of Cornelia Avenue. \$237,940</p>	\$262,730				0

## Construction Contract Change Item Descriptions (CID)

APPROVED AND PENDING CHANGES							
Change Item #	Change Item Title	Change Item Description	Approved Contract Change Orders (COs)	Approved Changes Against Current Supplemental Task Budget	Pending Changes	Potential Changes	Additional Time (Days)
		<p>RFP 004A - Nielsen 4" RW Service - The City directed the addition of a 4" recycled water service connection for the Nielsen property located at 760 S Cornelia Avenue. Adding this service connection point prior to procurement of the RWTM piping allows the branch connection to be added during shop fabrication and avoids the additional effort and quality issues that would be associated with adding this planned service connection in the future. \$16,925</p> <p>WCD 002.1 - Unidentified 4" Telephone Line - Underground Service Alert located a previously unidentified 4" telephone conduit crossing the RWTM pipeline route. This telephone line was not shown on the contract plans. The conduit was not in direct conflict with the new 48" RWTM but did create extra work effort for the Contractor to protect the telephone conduit and work around the obstacle. \$3,187</p>					

# Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1B**  
 Project Number: **TC00096B**  
 Data Date: **06/30/16**

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)
<b>Total</b>			<b>\$0</b>	<b>(\$1,307)</b>	<b>\$0</b>	<b>\$15,444</b>	<b>7</b>
<b>Change Order Requests</b>							
N/A	Contract Authorized Rain Days	RWTM Projects are working day contracts that allow for the addition of rain days in accordance with City Standard Specifications Section 6-8 (The indicated rain days are a calculated conversion of work days to calendar days).					
COR 001	Potholing for Abandoned Chevron Line	The City advised the Contractor of the potential existence of an abandoned Chevron pipeline within the project's alignment. Knowledge of the abandoned line was received after the bid date and the potential line is not shown on plans. The Contractor was directed to perform potholing operations to verify the existence of the abandoned pipeline.				\$6,444	
COR 002	Revised Trench Credit Costs	The Contractor proposed to reduce the specified trench width of 24" + pipe outside diameter to 16" + pipe outside diameter in addition to modifying the trench's configuration to a round bottom. The City held no exception to the suggested modifications provided an agreement was established to address the cost savings associated with the proposed change.		(\$87,201)			
COR 003	Notice of Intent to Claim No.1	Per Section 2.17 Claims and Disputes of Division II - General Conditions, the Contractor provided written notice of intent to file claim for additional time and cost for delays argued to be beyond the control of Garney Pacific. The Contractor's claim involves delays concerning changes in traffic control restrictions from bid documents and issuance of railroad ROW crossing permits.				TBD	TBD
<b>Requests for Proposal</b>							
RFP 001	Additional Steel Pipe and Water Service	The City directed the addition of 48" transmission pipe to align with project SW1A's modified connection point on Cornelia near Whitesbridge Avenue. The change includes an additional water service connection not shown on the contract plans.		\$52,224			
RFP 002	Additional 8" Water Service Connections	The City directed the addition of two recycled water service connections that were not shown on the Contract plans.		\$33,670			7
RFP 003	Fiber Optic Alignment Change at UPRR Crossings	In addressing permitting requirements stipulated by UPRR prior to being issued necessary permits, the City directed revisions to the fiber optic conduit alignment at the project's railroad crossings				TBD	
RFP 004	Fill Station	The City directed the contractor to construct a fill station in lieu of fire hydrant in designated areas. All fire hydrants already purchased are to be supplied to the City.				TBD	
<b>Work Change Directives</b>							
WCD 001	Telephone Conduit Conflict at STA 319+50	The Contractor identified two telephone conduits approximately 5' from the existing surface that are in conflict with the proposed 10" RWTM on Blythe Avenue. The unmarked utilities were not shown on the Contract plans.				\$9,000	
<b>Change Orders</b>							
None							



## Construction Contract Change Item Descriptions (CID)

Project Name: **RWTM Southwest Quadrant Project SW1C**

Project Number:	TC00096C
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Data Date:	06/30/16
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Original Contract Value:	\$4,198,175
Approved Contract Change Orders:	\$0
Current Contract Value:	\$4,198,175



## 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)
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$265,705</b>	<b>\$0</b>	<b>0</b>
<b>Change Order Requests</b>							
N/A	Contract Authorized Rain Days	RWTM Projects are working day contracts that allow for the addition of rain days in accordance with City Standard Specifications Section 6-8 (The indicated rain days are a calculated conversion of work days to calendar days).					
None							
<b>Requests for Proposal</b>							
RFP 001.1	Pipe Size Change and New Water Services	Contractor shall construct 24-inch DIP or PVC in place of the 10 and 12-inch pipes with additional changes and install a 4-inch recycled water service as directed.			\$246,512		
RFP 002	New Recycled Water Service	City directed the install of 6-inch recycled water service.			\$19,193		
RFP 003	Fill Station	The City directed the contractor to construct a fill station in lieu of fire hydrant in designated areas. All fire hydrants already purchased are to be supplied to the City.				TBD	
<b>Work Change Directives</b>							
None							
<b>Change Orders</b>							
None							