

ATTACHMENT B

**CONTRACT MODIFICATION / CHANGE ORDER LOG –
CRENSHAW/LAX TRANSIT PROJECT / C0988**

Mod. No.	Description	Status	Cost
1	Administrative Change - Update Special Provision SP -05- Notice and Service and SP-06-Insurance Requirements	Approved	No Cost
2	Administrative Change - Technical Reports Part 6.3 PSR/PR	Approved	No Cost
3	CPUC Application	Approved	No Cost
4	Administrative Change - Revised Contractor's Mailing address	Approved	No Cost
5.3	Clarification of Schedule F Applicability	Approved	No Cost
6	Administrative Change – Update Metro Rail Directive Drawings	Canceled	Canceled
7	Design -Aviation/Century Station – Pedestrian Vertical Circulation	Approved	\$366,400.00
8	Design - Century Boulevard Future Right Turn Lane (LAWA)	Approved	\$47,820.00
9	Design -Protect for Future Transport. Corridor at 98th Street	Approved	\$120,458.00
10	Update Volume 1: Form of Contract, Volume 4: Metro Specifications and Volume 5: Metro Rail Design Criteria	Canceled	Canceled
11	Special Events Traffic Control Site Improvements	Approved	\$26,754.00
12	Design Fare Gates At-Grade Latching	Approved	\$239,000.00
13	Construction of Fare Gates At-Grade Latching	Approved	\$2,310,000.00
14	Hazardous Material Abatement Parcel	Approved	\$260,338.90
15	Hazardous Material Abatement Parcel Florence	Approved	\$481,555.20
16	Updated Volume 1, 4, and 7	Approved	No Cost
17	Construction - Century Boulevard Future Right Turn Lane (LAWA)	Approved	\$122,503.49
18	Construction -Protect for Future Transport. Corridor at 98 th St	Approved	\$240,434.34
19	Update MRDC Station Benches	Approved	No Cost
20	Waste Removal Bellanca & Arbor ROW	Approved	\$80,880.00
21	Design Underground Structure HDPE	Approved	No Cost
22	ADA Directional Tile	Approved	No Cost
23	Modify Property Turnover Dates	Approved	No Cost
24	Phone System For Field Office	Approved	\$44,019.07
25	Additional Property Demo, Parcel HS-2706	Approved	\$60,731.85
26	Rail Design Criteria Update – Full Height Platform End Gate	Approved	\$194,412.00
27	Rail Design Criteria Update – LED Lighting	Approved	\$407,242.00
28	Rail Design Criteria Update – Park and Ride Lot ETEL	Approved	\$407,552.00
29.1	Traffic Control Support for DWP Utility Work	Approved	\$113,232.00
29.2	Adjustment Traffic Control for DWP at MLK	Approved	\$112,216.00
30.3	Access for Construction of Temporary Roadway	Approved	No Cost
31	Security Guard – Crenshaw/LAX IPMO	Approved	\$102,757.54
32	ACM Removal Century-Aviation Bridge	Approved	\$55,012.20
33	Revised Steel Canopy Sections	Approved	(\$66,254.00)
34	Temporary Fencing at Avis Property	Approved	\$1,212.43
35	Hazardous Material Abatement Gourmet Food Bldg	Approved	\$341,074.00
36	Hazard Material Abatement-Bldgs /Properties	Approved	\$211,166.00
37	Dispute Review Board Procedures	Canceled	Canceled
38.2	Update Volume 1 Conformed Articles	Approved	No Cost
39.1	Update Vol 1 SP 6 Insurance Requirements	Approved	No Cost

40.1	ADA Tactile Guidance Pathways	Approved	\$565,376.00
40.2	ADA Tactile – Color Change	Approved	No Cost
41	Parking for Florence/West Park & Ride	Approved	\$99,500.00
42	SC Edison Design Engineering	Approved	\$55,606.11
43	HVAC Repair/Replacement LAX IPMO	Approved	\$119,630.00
44	Fencing at ROW Cedar/Eucalyptus	Approved	\$8,695.00
45	Construct HDPE Geo membrane Cushion	Approved	\$697,495.00
46	Striping and Traffic Loops	Approved	\$19,041.13
47	CHP Support for Century Crush	Approved	\$46,566.84
48.2	35 Day Delay – Milestone	Approved	No Cost
49	Hazardous Material Parcels	Approved	\$52,420.00
50	UST Removal – Parcels SW-0103	Approved	\$51,827.00
51	UST Removal-Parcels HS2201/2206 CR3701	Approved	\$176,376.00
52	Update Roll-Up Grilles & Pay Phone	Approved	\$136,597.00
53	Contaminated Soil/Slurry	Approved	\$240,218.00
54	COI Design Serv. Century Crush	Approved	\$14,543.00
55	Security Guard – 24 hour Shifts	Approved	\$82,947.12
56	Station Architectural Standards	Approved	\$69,162.00
57	Millstone Revision Exercise Option 2A & 2B	Approved	No Cost
58.2	Design Extended Track	Approved	\$274,876.55
59	SP 24 Incorporating BAFO Changes	Approved	No Cost
60	Design Accommodations for 96 th St Sept 1,2, Part A	Approved	\$641,378.28
61.1	TIFA Certification Requirements	Approved	No Cost
62	Design Centinela Crossing/Eucalyptus	Approved	\$251,158.00
63	Design Harbor Sub At Grade Lighting	Approved	\$216,080.00
64	Removal of Contaminated Seg A Imperial	Approved	\$1,824.07
65	Capri AC Unit Replacement	Approved	\$22,191.89
66	Unknown UG Obstruction at MLK Phase	Approved	\$30,234.68
67	3rd Party (Conad) Repair on Victoria	Approved	\$1,592.63
68	LADWP Gate and Laydown	Approved	\$1,767.14
69.1	Revised Radio System Frequencies	Approved	\$6,222.00
70	Clarification of Radiating Cable and Assembly Parts	Canceled	Canceled
71	Aviation/Century Temp Sidewalk	Approved	\$18,207.00
72	Hazardous Material Removal at Parcel SW-010CR 3304	Approved	\$33,212.00
73	Dollar Rent A Car Facility Hazardous Material Removal	Approved	\$204,924.00
74	Access to Covered Manholes	Approved	\$200,000.00
75	Design Updated Station Customer Signage Directive Drawings	Approved	\$55,665.00
76	Capri Electrical-Surveillance Camera	Approved	\$19,649.58
77	Relocate LAWA Water Service – Design	Approved	\$50,702.00
78	African Drum Project Tree Removal	Approved	\$2,512.76
79	Update Vol. 1 Indefinite Qty Equipment	Approved	No Cost
80	Contaminated Drilling Slurry Century	Canceled	Canceled
81	Reroute Northrop Bent 1A	Approved	\$20,988.00

82	96th Station West Option Analysis	Approved	\$17,333.52
83	Additional Recurring of Properties	Approved	\$8,331.44
84	MIC Control System	Approved	\$1,076,736.00
85	Delete HS-2001 & 0.1 FM SP 16/17	Approved	No Cost
86	Fence Adjustment at MLK	Approved	\$10,011.21
87	Claim Resolution-Electric Mtrg Switchgear	Approved	\$610,300.00
88	Design 10" & 8" Abandon Lines Crenshaw	Approved	\$18,180.00
89	At Grade Station Ticketing Zone	Approved	\$70,074.00
90	Utility Investigation for 96th Street	Approved	\$35,808.21
91	Additional Security " Taste of Soul"	Approved	\$15,912.55
92	Abandoned 8" and 10" Pipe at Vernon Station	Approved	\$222,752.00
93	Daily Stand By Construction Zone 2/2A	Approved	\$90,000.00
94	Storage Trailer at the Arlington Yard	Approved	\$8,695.00
95	Unknown Concrete Slab Encounter at FCBC Facility	Approved	\$11,032.00
96	Electrical Ductbank Revisions at Exposition Station	Approved	\$541,193.00
97	Continuous Deflection Monitoring Greenline Counterweight Removal	Approved	\$155,461.00
98	Intrusion Detection Access Control Interface	Approved	\$65,926.00
99	16" Gas Pipe ACM Abatement Expo	Approved	\$17,972.98
100	Additional Rebar at Deck Panel	Approved	\$282,386.56
101	Security Guard for Crenshaw/LAX – Year 2	Approved	\$171,919.90
102	Cable Transmission System Update	Approved	\$65,517.00
102.1	Cable Transmission System Update – Add Diagrams	Approved	No Cost
103	Obstructions at Green Line Bent 3 and 4	Approved	\$30,821.00
104	Contaminated Soil – Multiple Locations	Approved	\$387,257.46
105	Century/Aviation Bridge Camera	Approved	\$9,719.00
106	Asbestos Testing Monitoring at Avis	Approved	\$1,894.00
107	Haz Mat Investigation Removal – Car Wash UST	Approved	\$14,541.73
108	Reconfiguration of Traffic Control Plan – La Brea	Approved	\$55,053.00
109	Cedar Encroachment Removal	Approved	\$17,566.00
110.2	Transmit LACMTA Lease Agreement and SWY Turnover Dates	Approved	\$26,533.00
111.1	Crenshaw Blvd. Tree and Landscaping	Pending	\$65,213.00
112	HNTB Design Costs for 96 th Street W. Alignment	Approved	\$920,532.00
113	Centinela Crossing Tree Preservation	Approved	\$45,450.00
114	Claim Resolution – DWP Vault Relocation MLK	Approved	\$125,614.66
115	Deletion of Public Phone	Approved	(\$59,315.19)
116	Harbor Sub Encasement Verification – Non Highlighted Utilities	Approved	\$94,240.13
117	Harbor Sub Encasement Verification – Unknown Utilities	Approved	\$159,743.78
118	Harbor Sub Encasement Verification – Highlighted Utilities	Approved	\$208,350.12
119	Encasement Verification – City of LA	Approved	\$45,448.78
120	Contaminated Oil Removal – UG1 FOG Lines	Approved	\$41,193.00
121	Florence/West Station – Redondo Blvd. Temporary Parking	Approved	\$35,000.00
122	ATC System at Slauson Signals	Approved	\$244,934.50
124.2	City of Inglewood Water Line Relocation	Pending	(\$9,639.95)

125	LKC Design W. Alignment Shift for 96 th Street	Approved	\$217,638.00
126.1	Provisional Sum – Unknown Utility	Approved	\$3,000,000.00
127.1	Modifications for 24" FAA Fiber Optic Duckbank at UG1	Approved	\$134,735.00
128	Greenline Safety Walkway – Design	Approved	\$44,068.00
129	Support of Excavation 2.0 Safety Factor	Approved	\$504,769.00
130	Unique 65 Foot Mast Arm at Aviation Blvd. and Century Blvd.	Canceled	Canceled
131	Unknown Obstructions at 405 Bridge Bent 2	Approved	\$63,480.00
132	Claim Resolution – Traffic Control at LADOT's	Approved	\$155,988.75
133	Design – Eliminate DWP Switchgear at MLK	Approved	\$51,410.00
134	Addition of LATS Time Synchronization	Approved	\$39,880.00
135	Updated Standard Wayside Rail Operation Signage	Approved	\$39,735.00
136	UG 1 Wayfinding – Design	Approved	\$68,548.00
137	LKC Design Accommodations 96 th Street, Step 2 part A	Approved	\$65,132.00
138	Claim Resolution – Install Video Detection Camera	Approved	\$27,216.00
139	Claim Resolution – ATSAC Fiber Optic Relocation at Expo	Approved	\$221,652.00
141	Mitigation Reimbursement (Golf Carts)	Approved	\$14,853.90
142	Design- North Yard Lead Revisions	Approved	\$21,030.00
143	Line Removal at Florence and Isis in Conflict with Storm Drain Installation	Approved	\$4,483.00
144	Removal of Underground Storage Tanks at Florence Properties	Approved	\$69,486.57
145	Remove/Dispose/Burn Contaminated Soils from Expo	Approved	\$487,827.24
146	TPSS No. 2 Upgrade from 1.5 MW to 2.0 MW	Approved	\$46,802.00
147	Unknown Slab at 111 th and Aviation	Approved	\$6,746.00
148	Subsurface Investigation 317 E. Florence	Approved	\$30,087.60
149	Removal of Underground Storage Tank at Expo Yard Excavation	Approved	\$43,876.87
150	Gas Line in Pole Foundation at Arlington and MLK	Approved	\$2,489.41
151	Market Street Catch Basin Tie-in	Approved	\$14,010.00
152	Abandoned 8" and 10" Pipe Environmental Testing UG-4	Approved	\$417,000.00
153.1	Removal of the Track/Rail and Hump at Imperial and Aviation Blvd.	Approved	\$70,128.00
154	18in Sanitary Sewer Relocation at MSE Wall	Approved	\$614,133.00
155	Claim Resolution – TPSS #1 Relocation S. Imperial	Approved	\$91,252.00
156	Qwest Line Relocation	Approved	\$436,312.00
157	Delay Cost at CP-4	Approved	\$115,000.00
158	Vernon ATSAC Relocation	Approved	\$270,555.00
159	Claim Resolution – FAA LAWA Navid Light	Approved	\$125,000.00
160	Pothole & Remove 216in Gas Line	Approved	\$52,000.00
162	Tunneling Requirements	Approved	(\$5,534.40)
163	Claim Resolution – 104 St. Deck Lid – Design	Approved	\$62,000.00
165	Claim Resolution – SWY Removal of Electric Service	Approved	\$25,000.00
168	Bronson Street Vacation	Approved	\$25,039.00
169	Quality Control Inspection	Approved	No Cost
170	Detector Loop Cable Repair 60th & Crenshaw	Approved	\$1,210.00
171.1	Encasement Verification of LA Sewer	Approved	\$10,000.00

172	Unknown Buried Culvert at Centinela	Approved	\$12,970.00
173	Florence/ La Brea Bus Transfer Station	Approved	\$2,200,000.00
174.1	Signal House Monitors	Pending	\$60,476.71
175	LAX Section Time of Day Limit UG-1	Approved	\$54,000.00
176	Claim Resolution -Support of FAA Ductbank UG-1	Approved	\$190,000.00
177	Harbor Subdivision Potholing unknown Utilities at Eucalyptus	Approved	\$17,631.34
178	TBM Lowering Event	Approved	\$28,730.60
180	Board Approved Station Name Change	Approved	\$138,450.81
181	TPSS No.1 New Power Transmission	Approved	\$324,093.00
182	LAWA Storm Drain Monitoring Unit Relocation	Approved	\$26,046.00
184	Claim Resolution - Ballast Retainer Wall	Approved	\$41,426.00
185	Claim Resolution - At-Grade Stations Check	Approved	\$22,197.00
186	Security Guard for Crenshaw/LAX - Year 3	Approved	\$180,990.51
188.1	Claim Resolution - Design Radio Redundancy	Approved	\$250,000.00
189	Revise Street Plans at Hindry Avenue - Design	Pending	\$56,925.00
190.1	Design Signage/Striping at Cedar	Pending	\$17,000.00
191.0	96th Street Station Accommodation - Agreed Direct Cost	Approved	\$1,452,819.57
192	Bones Discovered - Vernon Station	Pending	\$4,875.89
193	Shut Down at MLK Station	Approved	\$123,912.00
194.1	Revise CPUC Striping	Pending	\$2,807.00
195	COLA Roadway and Curb Revision	Approved	\$484,854.54
196	Compensate Time Extension Expo Delay	Approved	\$100,200.00
197	Relocate DWP Water Mains at Crenshaw	Pending	\$54,184.63
199	TWC Routing Through Crenshaw	Approved	\$79,978.00
200	Security Guard for Crenshaw/LAX - Year 2 and 3 Adjustment	Approved	\$127,377.04
201	Design Deluge System at Expo Crossover	Pending	\$650,000.00
202.1	Turnback and Speed Restrictions	Pending	\$356,675.19
203.1	LADOT Parking Lots Improvements	Pending	(\$856.11)
204.1	Design - Tree Well Brick Pavers	Pending	\$16,793.00
205	Walgreens Encroachment Fence	Pending	\$6,754.00
206	Unknown Concrete at Cedar and Oak	Approved	\$4,242.00
207	Metro Right-of-Way Property	Pending	\$425,000.00
208	Unknown Concrete Obstruction at RW75	Pending	\$3,931.17
209	Redondo Stockpile - Unknown Condition	Pending	No Cost
210	Manchester/Florence Aviation Traffic Signal	Pending	\$10,496.83
211	Imperial & Aviation Traffic Signal	Pending	\$22,947.00
212	SCGC Removal at Redondo	Pending	\$55,573.00
213	UST Removal at Pedestrian Underpass	Pending	(\$82.77)
214	Black Tar-like Substance at Arbor Vitae	Pending	No Cost
215	Time Warner Conflict at RW 75	Pending	\$71.99
216	Wally Fence Encroachment	Pending	No Cost
217	Tree Species and Bike Racks	Pending	\$20,110.00
TBD	96 th Street Station Accommodations and Settlement Agreement	Pending	\$66,550,000.00

Change Orders			
CO 18.1	Track Drainage CI Pipe in Lieu of PVC	NTE	\$130,217.00
CO 31	City of Inglewood Water Line Relocation	NTE	\$973,598.00
CO 37.2	Design Hold Out Signals Aviation/Century	NTE	\$50,000.00
CO 38	Abandoned 8" and 10" Pipe Environmental Test and Removal (UG3)	NTE	\$362,500.00
CO 40.2	Relocate LAWA Water Service to 111 th	NTE	532,695.00
CO 41	Design Deluge System at Expo Crossover	NTE	\$0
CO 44.1	UG-1 H2S Ventilation Fans - Design	NTE	\$390,429.00
CO 46.3	Underground Fire Rated Conduit Cable	NTE	\$300,000.00
CO 47	Crenshaw Blvd. Tree and Landscaping	NTE	\$399,308.00
CO 50.1	Turnback and Speed Restrictions	NTE	\$100,000.00
CO 60.1	Revise Street Plans at Hindry Avenue	NTE	\$21,600.00
CO 61	Park Mesa Heights Re-sequencing	NTE	\$300,000.00
CO 62	Encase City of LA Sanitary Sewers	NTE	\$100,000.00
CO 63.1	Civil Revisions for CPUC Striping at West Street	NTE	\$30,000.00
CO 64.1	Crenshaw Landscaped Median Rendering	NTE	\$126,000.00
CO 67.1	Ballast Wall Extension at Eucalyptus	NTE	\$51,395.00
CO 69.2	Unknown 18inch Storm Drain UG-1	NTE	\$22,931.00
CO 71	Credit Crenshaw Tree Permit	NTE	No Cost
CO 72	Removal of 24in Storm Drain at MLK Station	NTE	\$100,000.00
CO 73	Tree Species and Bike Racks	NTE	\$8,000.00
CO 74	Pedestrian Lights Slauson Station	NTE	\$16,000.00
CO 76.2	LADOT Parking Lots Improvements	NTE	\$86,423.00
CO 77	Imperial & Aviation Traffic Signal	NTE	\$12,000.00
CO 78	LADOT Requested Comment Matrix	NTE	\$20,000.00
CO 79	Shortening of Median Island Brynhurs	NTE	\$4,000.00
CO 80	Extended Track - Construction	NTE	\$350,000.00
CO 81.2	96th Street Station Accommodation - Construction	NTE	\$1,000,000.00
CO 82	Harbor Subdivision At-Grade Lighting - Construction	NTE	\$100,000.00
CO 84	Encase ATT Ductbank Near Redondo Blvd.	NTE	\$5,000.00
CO 85	LABSL Requests	NTE	\$140,000.00
CO 86	Relocate DWP Water Mains at Crenshaw	NTE	\$100,000.00
CO 87	UG-1 Raised Walkway - Design	NTE	\$131,287.00
CO 88.1	Remove and Install Driveways at Crenshaw	NTE	\$39,448.73
CO 90.1	Black Tar-like Substance at Arbor Vitae	NTE	\$4,014.75
CO 91	96th Street Station Accommodation - Electrical Requirements	NTE	\$500,000.00
CO 92.1	Support SCGC - Abandon 2" Gas at Brynhurs	NTE	\$7,500.00
CO 93	COI Sewers (UID 1216 & 1263) Design	NTE	\$16,000.00
CO 96	Time Warner Conflict at RW 75	NTE	\$3,570.91
CO 98	Redondo Stockpile - Unknown Condition	NTE	\$4,409.62
CO 101	UST Removal at Pedestrian Underpass	NTE	\$61,063.22
CO 102.1	TPSS #3 Redesign for SCE Power	NTE	\$80,000.00

CO 103	Imperial Non-percentage Pavement Profile	NTE	\$80,000.00
CO 104	Support DWP Water 6" Water Relocation	NTE	\$24,000.00
CO 105.1	Clarify Integration with Green Line	NTE	\$64,225.00
CO 107	UG-1 Raised Walkway - Construction	NTE	\$347,888.00
CO 109	Relocate Concrete with Steel Poles	NTE	\$80,000.00
CO 110	Design At-Grade Station Fencing	NTE	\$120,000.00
CO 111	Wally Fence Encroachment	NTE	\$983.73
CO 112	Removal/Disposal of Asbestos Pipes 255+00	NTE	\$23,314.40
CO 113	Accommodations for Bus Shelter	NTE	\$4,000.00
CO 114	Emergency Ventilation & Egress UG-1	NTE	\$30,000.00
CO 115	Special Permitting Process Impact	Pending	\$508,713.45
CO 116	96th Street Station Accommodations - Additional Ballast Wall	NTE	\$370,040.00
CO 117	Station Signage Revision (ADA)	NTE	\$50,000.00
CO 118	Cameral Install and Removal I405 Time Laps	NTE	\$3,200.00
CO 119	Cable Transmission System Update	NTE	\$168,000.00
CO 120	New Power Transmission TPSS #6	NTE	\$117,220.60
CO 121	Station Architectural Standards - Construction	NTE	\$435,334.00
CO 122	UG-1 Center Walkway Lighted Handrail	NTE	\$75,000.00
CO 123	Segment B-2 North and Central Tree	NTE	\$31,800.00
CO 124	City of Inglewood Sewer (UID 1263) C	NTE	\$76,000.00
CO 125	Florence/West Station – Redondo Blvd. Temporary Parking	Pending	\$15,000.00
CO 126	Grade Crossings Bell Noise Reduction	Pending	\$18,000.00
Subtotal – Approved Modifications & Change Orders			\$38,995,175.59
Subtotal – Pending Changes/Modifications			\$68,910,969.03
Total Mods and Pending Changes (Including this Change)			\$107,906,144.62
Prior CMA Authorized by the Board (including base award and other modifications)			\$144,299,993.00