

Agenda Item #8 - Construction Amendments and Changes Log

5/8/2017

Trade Package	CCO/CR No.	Total Value	Date submitted to CRC	Date No Exceptions Taken by CRC	Amount No Exceptions Taken by CRC	CCO Final Approved Amount	CCO Category	Contingency Source	Fund Source	CCO Issue
7.2	*CCO 0324	\$455,000	2/6/2017	2/17/2017	\$455,000	\$428,811	Owner Requested	TJPA	City Financing	Gantry Beams at Ground Level above Transformer Vaults per ASI 121
10.3	CCO 0304	\$118,000	2/6/2017	2/17/2017	\$118,000	\$117,841	Owner Requested	TJPA	City Financing	Roof Park scope, Heat Pump Changes, & Duct Reroute per ASI 128
13.1	CR T-185	\$420,000	2/6/2017	2/17/2017	\$420,000		Owner Requested	TJPA	City Financing	Landscape Changes per ASI 138
7.6	COR 311367	\$260,000	11/7/2016	11/18/2017	\$260,000		Owner Requested	TJPA	TIFIA	Changes to the GL 35 Seismic Joints due to the OCS footing interrupting the joints and replacing the SJ cover with 1" steel plate.
7.2	CCO 0312	\$750,000	11/7/2016	11/18/2017	\$750,000	\$708,975	Owner Requested	TJPA	TIFIA	Additional Wall Plates at Lower Concourse Walls
7.2	CCO 0269.1	\$325,000	8/22/2016	8/24/2016	\$325,000	\$254,308	Owner Requested	TJPA	Land Sales	Added plate to short curbs to support deformed bars per RFI T-3184 and added plates for tall curbs between Gridlines 10-20.
	COR 310608	\$400,000	8/22/2016	8/24/2016	\$400,000		Owner Requested	TJPA	TIFIA	Added embeds, blockouts and pour backs for curbs related to W2 system.
	CCO 0291	\$368,000	8/22/2016	8/24/2016	\$368,000	\$317,592	Owner Requested	TJPA	Land Sales	Install additional rebar, formwork and concrete for Partition walls at Lower Concourse per ASI 128.
	COR	\$1,000,000	8/22/2016	8/24/2016	\$1,000,000		Owner Requested	TJPA	TIFIA	Curb modifications due to W System interfaces to meet RVA and design build criteria.
7.6	CCO 0316	\$694,000	8/22/2016	8/24/2016	\$694,000	\$546,055	Owner Requested	TJPA/Reimbursable	Salesforce Tower	Added seismic joint at Salesforce Tower Pedestrian Bridge per ASI 137.
7.2	COR 311408	\$3,300,000	5/8/2017				Errors & Omissions	TJPA	TIFIA	W-Systems Impact to Structural Concrete Package. The COR was submitted at \$6.3M, but \$3M of that amount was due to inefficiencies and delays which have no merit.
8.11R	COR 311449	\$912,000	5/8/2017				Errors & Omissions	TJPA	TIFIA	W-13 Frame Modifications
	COR 311445	\$270,000	5/8/2017				Errors & Omissions	TJPA	TIFIA	W-12 Perimeter Expansion Joint Infill Plate
10.2	COR 311439	\$500,000	5/8/2017				Errors & Omissions	TJPA	TIFIA	DBI Venting Requirements per RFI T-5141
13.2	COR 310989	\$300,000	5/8/2017				Errors & Omissions	TJPA	TIFIA	Add FC 4 Layers and revision to INS-14 per ASI 138
7.2	COR	\$1,000,000	2/6/2017	2/17/2017	\$1,000,000		Errors & Omissions	TJPA	TIFIA	Built Up Slabs in Ground Level and Roof Level
	COR	\$280,000	2/6/2017	2/17/2017	\$280,000		Errors & Omissions	TJPA	TIFIA	Escalator Issues - Added Mid-Span Support
10.4	COR 311105	\$2,300,000	11/7/2016	11/18/2017	\$2,300,000		Errors & Omissions	TJPA/CMGC	TIFIA	Hardened Conduit RFI T-3669
18.1	CCO 0290.1	\$736,000	8/22/2016	8/24/2016	\$736,000	\$691,702	Errors & Omissions	TJPA	Bridge Loan	Revisions to the Bus Ramp Cable Stay Hinge 8 Expansion Joint per ASI 150-015.
	CR B-046	\$475,000	8/22/2016	8/24/2016	\$475,000		Errors & Omissions	TJPA	TIFIA	Revisions to the Bus Ramp Cable Stay Hinge 9 Expansion Joint per ASI 150-016.
7.3	COR 311344	\$100,000	3/22/2017	3/22/2017			Schedule Mitigation	TJPA	City Financing	Roof Park Rail Revision
7.2	COR	\$1,200,000	2/6/2017	2/17/2017	\$1,000,000		Schedule Mitigation	CMGC	TIFIA	Acceleration for Base Contract Work
	CR T-242	\$800,000	8/22/2016	8/24/2016	\$800,000		Schedule Mitigation	CMGC	TIFIA	Schedule Recovery for TG 7.2 scope, premium time only, using CM/GC Contingency per contract.
7.1	*CCO 1043	\$425,000	2/6/2017	2/17/2017	\$425,000	**\$425,742	Skanska Settlement	CMGC	TIFIA	Seismic Upgrades to Access Trestle. ** Final amount \$742 over NTE of \$425,000.
	COR 310296.1	\$672,750	8/22/2016	8/24/2016	\$672,750		BBII Settlement	TJPA	TIFIA	Removal of Sand Inclusions in Bus Deck level cast node pads embedded beyond the typical depth of normal steel fabrication and deemed additional work.
7.3	COR 311306	\$60,000	5/8/2017				Scope Procurement	TJPA	City Financing	Bent Plate Embed and SS Base Plate from ASI 128 for Roof Park Restaurant
10.4	COR 311394	\$350,000	5/8/2017				Scope Procurement	TJPA	TIFIA	E2 Pylon Beacon Power per RFI T-4988
10.4	COR 311553	\$390,000	3/22/2017	3/22/2017			Scope Procurement	TJPA	TIFIA	Added Stairwell Lighting per RFI T-5585.1
13.1	CR T-172	**\$100,000	2/6/2017	2/17/2017	\$20,000		Scope Procurement	TJPA	City Financing/Salesforce Tower	Landscape Changes per ASI 137 at roof top park restaurant and Stair 601. **Estimate Increased
10.2	COR 311301	**\$800,000	2/6/2017	3/22/2017	**\$450,000		Scope Procurement	TJPA	TIFIA	Connection to Sewer Mains per RFI T-5029. **Increased from \$450,000 to \$800,000 due to added complexities to the scope of work.
4.2	COR 310819	\$2,800,000	2/6/2017	2/17/2017	\$2,800,000		Scope Procurement	TJPA	TIFIA	Traction Power on Fremont and Beale Streets
7.2	COR	\$250,000	2/6/2017	2/17/2017	\$250,000		Scope Procurement	TJPA	TIFIA	Drum Café Revisions
8.6R	CR T-207.1	**\$480,000	2/6/2017	2/17/2017	\$450,000		Scope Procurement	TJPA	TIFIA	ASI 140 Drop-in Span Aluminum Enclosure, VE Item. **Estimate increased
	CCO 0309	\$250,000	2/6/2017	2/17/2017	\$250,000	\$249,554	Scope Procurement	TJPA	City Financing	Procurement of the W2 and W3 head of wall assembly
10.4	CCO 0284	\$1,330,000	11/7/2016	11/18/2017	\$1,330,000	\$1,202,996	Scope Procurement	TJPA	TIFIA	Phase 1.5 ASI 144
7.2	*CCO 0328	\$445,000	11/7/2016	11/18/2017	\$445,000	434,946	Scope Procurement	CMGC	City Financing	West Throat Vent Shaft Concrete
7.6	CCO 1035	\$330,000	8/22/2016	8/24/2016	\$330,000	\$307,144	Scope Procurement	CMGC	Land Sales	Installation of Mat Slab walls at water storage tank previously not procured.
8.11R	CR T-273	\$450,000	8/22/2016	8/24/2016	\$450,000		Scope Procurement	TJPA	TIFIA	Procurement of Glazing Door Hardware Package previously not procured.
10.2	CCO 0186	\$1,486,000	8/22/2016	8/24/2016	\$1,486,000	\$1,232,298	Scope Procurement	TJPA	Prop K	Revisions and additions to plumbing system per ASI 128.
10.4	CCO 0293.1	\$1,100,000	8/22/2016	8/24/2016	\$1,100,000	\$861,630	Scope Procurement	TJPA	TIFIA	Procurement of the pathway that supports the Emergency Response System per ASI 134.

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13.2	CCO 0277	\$435,000	8/22/2016	8/24/2016	\$435,000	\$401,828	Scope Procurement	TJPA	Land Sales	Procurement and installation of the W2 Roof Trellis and Outriggers per ASI 128 and 138
16.8	CCO 0287	\$261,000	8/22/2016	8/24/2016	\$261,000	\$252,310	Scope Procurement	TJPA	Land Sales	Installation of the Rooftop Restaurant Fireproofing per ASI 128.
Totals		29,377,750								

* Executed Recently

New Construction Changes	
In Process (Presented to CRC)	
Approved	

MODS and amounts paid directly by WOJV (not thru TJPA) are not included in this estimate
 Executed CCO's will be included in WOJV's Cash Flow and are not included in this estimate

Contingency Tracking through April 2017 (\$millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budget Amounts	\$61.8	\$32.5	\$116.9	\$211.3
Contingency Usage Through Mar 2017	(\$22.1)	(\$2.0)	\$5.1	(\$19.2)
Remaining Baseline Budget Amounts (Mar 2017)	\$39.7	\$30.5	\$122.0	\$192.2
Total Draws/Adds April 2017	(\$0.5)	(\$0.1)	\$0.0	(\$0.6)
Remaining Balances	\$39.2	\$30.4	\$122.0	\$191.6

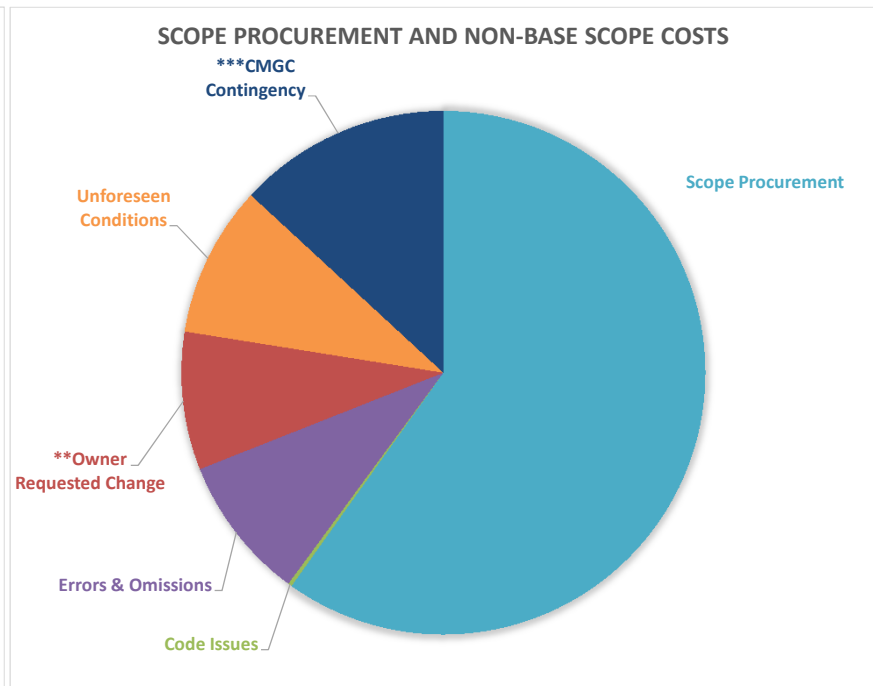
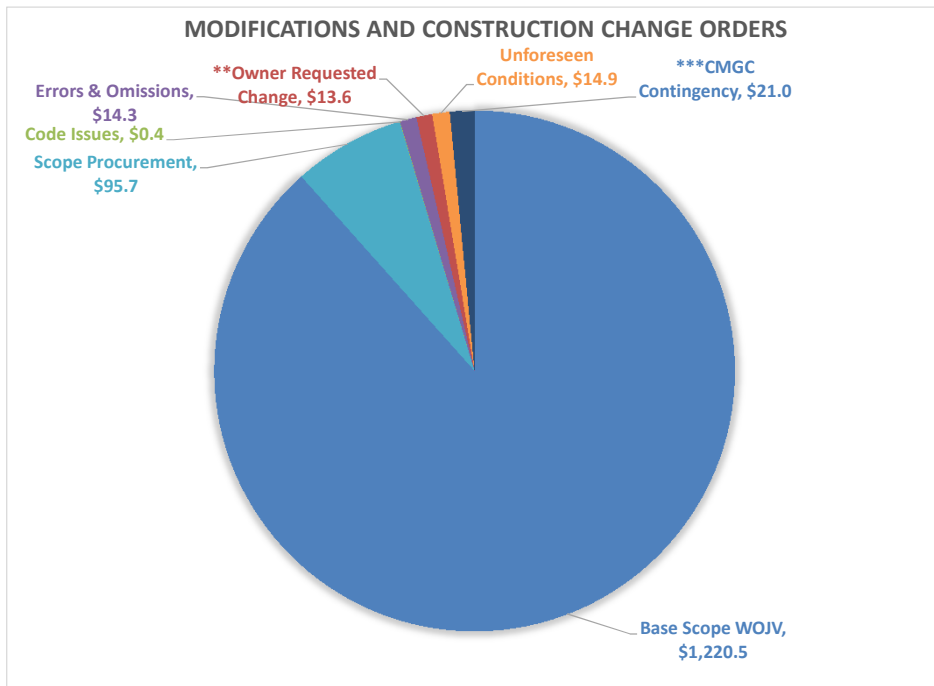
Trade Packages:	
4.2	Utility Relocation - Mission St. AWSS
7.1	Structural Steel
7.2	Structural Concrete
7.3	Miscellaneous Metal
7.6	Topping Slabs, Bus Crash Rail and Expansion Joints
8.6R	Metal Ceilings
8.11R	Glass Curtain Wall/Skylights
10.2	Plumbing
10.3	Mechanical/HVAC
10.4	Electrical
13.1	Landscaping and Irrigation
13.2	Roofing/Waterproofing
16.8	Fireproofing/Intumescent Spray
18.1	Bus Ramp

Baseline Budget Amounts	
Contingency Usage Through Mar 2017	
Remaining Baseline Budget Amounts (Mar 2017)	
Total Draws/Adds April 2017	
Remaining Balances	



Modifications and Construction Change Orders as of May 2017 (In Millions)

A	B	C	D	E	F	G	H	I
*Contract Sum to date (in Millions) (B+C+I)	Base Scope WOJV	Scope Procurement	Code Issues	Errors & Omissions	**Owner Requested Change	Unforeseen Conditions	***CMGC Contingency	Total of Non-Base Scope Costs (D+E+F+G+H)
\$1,380.4	\$1,220.5	\$95.7	\$0.4	\$14.3	\$13.6	\$14.9	\$21.0	\$64.2
	88.41%	6.93%	0.03%	1.03%	0.99%	1.08%	1.52%	4.65%



* Contract Sum includes Preconstruction, Geotechnical Engineering, and Fees but does not include General Contractor Reimbursable Expenses
 ** Includes Third Party Reimbursable CCOs and Owner Directed Schedule Mitigation
 *** Includes Coordination Issues, Settlement Items, and Schedule Mitigation

Executed CCOs as of 5/1/17