#### **AGENDA**

# TRANSBAY TRANSIT CENTER PROGRAM COST REVIEW COMMITTEE SPECIAL MEETING

Monday, December 10, 2018

1:00 p.m. to 2:30 p.m.

TJPA Office 201 Mission Street, Suite 2100 San Francisco, CA

#### **COMMITTEE MEMBERS**

Ben Rosenfield, City and County of San Francisco (CCSF) Controller (Chair)
Steve Heminger, Executive Director of the Metropolitan Transportation Commission (MTC)
Mark Zabaneh, Executive Director of the Transbay Joint Powers Authority (TJPA)

Secretary Michelle Dea

### **ORDER OF BUSINESS**

- 1. Call to Order
- 2. Roll Call
- 3. Action Item:

**Approving the Minutes of the August 29, 2018 Meeting Public Comment** 

4. Discussion Item:

Status Updates from Planning Department and Office of Community Investment and Infrastructure (OCII) on Projects in the Redevelopment Area/Transit Center District

5. Discussion Item:

**Update on Program Budget, Construction and Temporary Closure of the Salesforce Transit Center** 

6. Discussion Item:

**Retail Leasing Update** 

7. Action Item:

**Expenditure and Commitment of Proceeds of the City Financing that Require CRC Approval** 

### **Public Comment**

### 8. Discussion Item/Possible Action:

# Opportunity to Comment on Contracts, Change Orders and Contract Amendments that Require CRC Review

Public Comment

### 9. New Business

-Agenda for Next Meeting

### 10. Public Comment

This item allows members of the public to comment generally on matters within the CRC's purview that are not on the agenda.

### 11. Adjourn

The Transbay Transit Center Program Cost Review Committee meeting will be held at the Transbay Joint Powers Authority office at 201 Mission Street, Suite 2100, San Francisco, CA. The closest accessible BART station is the Embarcadero Street Station at Beale and Market Street. Accessible MUNI lines serving this location are: Muni Metro Lines J-Church, K-Ingleside, L-Taraval, M-Oceanview, N-Judah and T-Third at the Embarcadero Street Station; F- Market line; 2-Clement; 5-Fulton; 6-Parnassas; 9-San Bruno; 9L-San Bruno Limited; 14-Mission; 14L-Mission Limited; 14X-Mission Express; 21-Hayes; 30X-Marina Express; 31-Balboa; 38-Geary; 38-Geary Limited; 41-Union; 71-Haight; 71L-Haight Limited; 80X-Gateway Express; 82X-Caltrain Express and 108—Treasure Island. For information about MUNI services call 311 or view the MUNI map at http://www.sfmta.com/cms/mmaps/indxmaps.htm.

The meeting room is wheelchair accessible. There is accessible parking available in the 201 Mission Street parking lot located directly behind the building. The parking lot entrance is in the 200 block of Howard Street (between Beale and Main Street).

If you need to use the services of a language interpreter, contact TJPA by calling 415.597.4620 or at <a href="mailto:crc@transbaycenter.org">crc@transbaycenter.org</a>. We require an advance notice of three business days to accommodate your request.

Si necesita usar los servicios de un intérprete de idioma, comuníquese con TJPA llamando al 415.597.4620 o en <a href="mailto:cre@transbaycenter.org">cre@transbaycenter.org</a>. Solicitamos un aviso previo de tres días hábiles para atender su solicitud.

如果您需要使用语言口译员,请联系 TJPA,电话: 415.597.4620,或电子邮件: crc@transbaycenter.org。我们需要您在三个工作日之前告知,以满足您的要求。

If you require the use of an American Sign Language interpreter, a sound enhancement system, or a reader during the meeting, such person or system can be made available upon request; please contact the TJPA at (415) 597-4620, at least 72 hours prior to the meeting. Late requests will be honored if possible. Agenda and minutes of the meeting may be available in alternative formats; please contact the TJPA at (415) 597-4620 at least 72 hours in advance of need. Written reports or background materials for agenda items are available for public inspection and copying at 201 Mission St. Suite 2100 during regular business hours and are available online at www.TJPA.org.

To assist the TJPA's efforts to accommodate persons with severe allergies, environmental illness, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help TJPA to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices may be ordered to leave the meeting room.

The Ethics Commission of the City and County of San Francisco has asked us to remind individuals that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [Campaign and Gov't Conduct Code, Article II, Chapter 1, § 2.100, et seq.) to register and report lobbing activity. For more information about the Lobbyist Ordinance, please contact the Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102, telephone (415) 252-3100, fax (415) 252-3124 and web site: <a href="https://www.sfethics.org">www.sfethics.org</a>.

#### **MINUTES**

# TRANSBAY TRANSIT CENTER PROGRAM COST REVIEW COMMITTEE SPECIAL MEETING

Wednesday, August 29, 2018

9:00 a.m. to 10:30 a.m.

TJPA Office 201 Mission Street, Suite 2100 San Francisco, CA

#### **COMMITTEE MEMBERS**

Ben Rosenfield, City and County of San Francisco (CCSF) Controller (Chair)
Steve Heminger, Executive Director of the Metropolitan Transportation Commission (MTC)
Mark Zabaneh, Executive Director of the Transbay Joint Powers Authority (TJPA)

Secretary Michelle Dea

### **ORDER OF BUSINESS**

- 1. Call to Order
  The meeting was called to order at 9:04 am.
- 2. Roll Call

Present: Ben Rosenfield, Mark Zabaneh, Steve Heminger

3. Action Item:

**Approving the Minutes of the May 18, 2018 Meeting** 

There was no public comment.

Mr. Heminger motioned to approve the minutes, seconded by Mr. Zabaneh and none opposed. The minutes of the May 18, 2018 meeting were approved.

4. Discussion Item:

Status Updates from Planning Department and Office of Community Investment and Infrastructure (OCII) on Projects in the Redevelopment Area/Transit Center District

Shane Hart, OCII Project Manager and Nicholas Foster, Senior Planner from SF Planning Department, presented the item.

Mr. Heminger inquired how the project was trending in terms of property developments needed to repay the Interim Financing. Chair Rosenfield stated that based on discussions with staff, the draws on Interim Financing were expected to exceed \$150 million. Given the projections, properties in categories 1 and 2, and the majority of properties in category 3 listed in the handout need to be completed.

Mr. Hart noted that Block 5 (listed in category 2 of the handout) has a new estimated temporary certificate of occupancy date of October 10, 2018.

Mr. Foster noted that SF Planning was working with OCII on variations required to off-site below market rate units to a Zone 1 or Zone 2 parcel. He anticipated hearings on Parcel F in the fall.

### 5. Discussion Item:

### **Program Budget and Construction Closeout Status Update**

Ron Alameida, Director of Design and Construction of the Salesforce Transit Center and Dennis Turchon, TJPA Senior Construction Manager, presented the item.

Mr. Turchon noted the following milestones for the transit center: Ribbon Cutting Ceremony on August 10, 2018, Grand Opening on August 11, 2018, and commencement of bus service at the Bus Deck on August 12, 2018. He stated that remaining work, including ceiling panel installation, testing and commissioning of various systems, and other punch list items, were anticipated to last through the end of the 2018.

Mr. Turchon stated that AC Transit moved into the bus storage facility last week, and buses were parked there. He stated that punch list work was also needed at the bus storage facility.

Regarding the \$2.2 billion Estimate at Completion (EAC) in the presentation, Chair Rosenfield stated that if TJPA intended to draw from Interim Financing for legal costs, it would be helpful to have a realistic timeframe for resolving litigation. Mr. Heminger asked for clarification on whether the current EAC assumed using all of the City's contribution and some of the Metropolitan Transportation Commission's (MTC) contribution to the Interim Financing. He asked if TJPA intended to close Phase 1 and move remaining expenses and exposure from Phase 1 to the Phase 2 budget at a certain time. Mr. Heminger expressed concerns about litigation continuing for a lengthy amount of time and using Interim Financing for legal costs. Mr. Zabaneh replied that the significant amount between the \$2.2 billion EAC (which includes tenant improvements and legal costs) and \$2.159 billion EAC for construction was the costs for tenant improvements. He stated that as TJPA closed out Phase 1, it would evaluate how to carry remaining exposures in its budgets.

Mr. Turchon thanked the CRC for its support leading to the opening of the transit center. Chair Rosenfield congratulated the project team on meeting the construction milestone.

### 6. Discussion Item:

### **Operations Update**

Martha Velez, TJPA Facility Manager, presented the item.

Ms. Velez reported that TJPA was close to meeting targeted leasing in the third quarter of 2018, with lease agreements of eight spaces nearing execution, and another three to five leases being developed. She also reported that tenant improvement expenditures were currently trending under budget and next quarter, TJPA could provide a status update on the \$25 million tenant improvements authorization from a previous CRC meeting.

Ms. Velez provided updates on operations and stated that the Temporary Terminal was still active. She stated that two transit operators continued to operate at Block 2 of the Temporary Terminal. Plans for interim uses of Blocks 3 and 4 of the Temporary Terminal were underway, as OCII worked on long-term developments for Blocks 3 and 4.

Chair Rosenfield asked how draws to date were trending for the \$25 million tenant improvement authorization and whether TJPA could stay within the \$25 million amount to secure remaining leases. Ms. Velez replied that the space for Greyhound had recently been completed, but the construction costs were not yet available. She stated that only the architectural costs have been drawn. Ms. Velez stated that the initial budget for tenant improvements was \$35 million and that TJPA needed more time to provide updates as requested. Mr. Zabaneh stated that after leases were executed, TJPA would have more clarity next quarter.

#### **Public Comment:**

Jim Patrick stated that public agencies, such as OCII and other agencies, should work together and focus on completing projects in a timely manner.

### 7. Action Item:

# **Expenditure and Commitment of Proceeds of the City Financing that Require CRC Approval**

Mary Pryor, TJPA Finance Advisor, presented the item.

Ms. Pryor stated that to date, the CRC has authorized commitments of \$175 million for construction of Phase 1 (building the transit center) and \$25 million for tenant improvements in Interim Financing. She stated that of the \$145 million authorized maximum draws from Interim Financing, \$103 million has been drawn to date. Ms. Pryor stated that TJPA planned to review its cash flow in several months, and estimated additional draws potentially needed in October or November 2018. TJPA was anticipating Community Facilities District (CFD) bond proceeds and possibly Interagency Plan Implementation Committee (IPIC) fees towards the end of calendar year 2018. Per Ms. Pryor, CFD bond proceeds and IPIC fees would be expended prior to using additional Interim Financing.

Chair Rosenfield stated that there was no action required on this agenda item and inquired about the assumptions for legal costs. Mr. Zabaneh stated that it was hard to estimate legal costs at the current time. Chair Rosenfield and Mr. Heminger requested briefings, prior to

the next CRC meeting, on the spending rate of legal costs and how legal costs are tracking per the assumptions in the budget. Chair Rosenfield questioned when legal costs would no longer be part of the Phase 1 budget and requested explicit assumptions.

There was no public comment.

#### 8. Discussion Item/Possible Action:

# Opportunity to Comment on Contracts, Change Orders and Contract Amendments that Require CRC Review

Mary Pryor, TJPA Finance Advisor and Dennis Turchon, TJPA Senior Construction Manager, presented the item.

Mr. Turchon stated that TJPA would recommend to the TJPA Board, reallocating \$15 million from the program reserves to construction contingency and soft costs. He stated that of the \$15 million amount, approximately \$11 million would replenish the construction contingency and the remaining portion would be allocated to the budget for soft costs and interest needs. In addition, professional service contract amendments for legal costs and the design services would be presented to the TJPA Board.

Mr. Heminger questioned whether TJPA could comment on which parties were involved in litigations. He also asked whether TJPA has taken any action against the design firm. Chair Rosenfield stated that there were approximately twelve parties, and six to nine different litigations. Mr. Zabaneh stated that TJPA had not taken any action against the design firm.

Mr. Turchon requested approval of \$17.4 million for change orders related to the transit center. The \$17.4 million amount was for general close out of construction costs that were known at the time. Mr. Turchon proposed reporting on draws against the \$17.4 million budget in the next CRC meeting.

Chair Rosenfield questioned whether there was a general close-out budget for the bus storage facility as well. Mr. Turchon stated that for the bus storage facility project, a general close-out budget would not be necessary because the change orders were easily identified, and the project team did not anticipate claims.

Mr. Heminger inquired about the amount of retention withheld from the Construction Manager/General Contractor's (CM/GC) progress payments and whether the CM/GC was expected to contest liquidated damages. Mr. Turchon stated that \$38 million in retention had been withheld. Mr. Alameida stated that the project team had been meeting weekly to strategize on closeout. He stated that cost issues that were not controversial would be negotiated and some issues would likely be elevated to a dispute resolution process.

Mr. Heminger asked what the assumptions were within the \$2.2 billion EAC, in terms of settling claims. Mr. Alameida stated there were requested amounts carried in the EAC, however, the exposure for electrical scope-related costs were unknown.

Mr. Heminger questioned when the project team would know how much the CM/GC was requesting. Mr. Alameida stated that the CM/GC's contract required filing a claim within 45 days after final completion. He stated that forecasted final completion was December 2018. Therefore, the project team may have more information in the first quarter of 2019. Chair Rosenfield stated that in addition to legal costs, the committee members should be briefed on risks related to construction claims, as the claims seemed to be extended risks. Mr. Turchon stated that some MTC staff have already been briefed on potential claims.

The CRC reviewed shifting a total of \$21 million in program reserves per the staff memorandum, to replenish \$11.5 million of construction contingency; and \$9.5 million for TJPA administration, interest, design support, and legal costs.

Mr. Heminger motioned to approve \$17,414,000 for construction close-out, seconded by Mr. Zabaneh and no objections.

There was no public comment.

The requested budget of \$17,414,000 for general construction close-out items was approved.

### 9. New Business

- End Date and Frequency of CRC Meetings
- Agenda for Next Meeting

Secretary Dea addressed Mr. Heminger's question from the last meeting, regarding the end date of CRC meetings. She cited from page 3 of the Cost Oversight Agreement which stated that as long as Interim Financing was outstanding, the TJPA would need to work with the CRC.

Chair Rosenfield stated that CRC meetings were driven by staff's need for approval on commitments and draws. He stated that his expectation was that majority of approvals would be completed within the next six months. Following the six months, the CRC may revisit the discussion on the frequency of future meetings.

Mr. Heminger encouraged TJPA to apply lessons learned from Phase 1 of the Transbay Program to Phase 2, by creating an oversight process similar to the CRC's, as well as, MTC's oversight process for the Bay Bridge Project. Mr. Heminger emphasized that the oversight process for Phase 2 should be set up early, when key decisions were being made. He suggested involvement of rail tenants in the oversight process. Chair Rosenfield recommended creating a committee that allowed necessary communications with participants. Mr. Zabaneh stated that he supported the idea of an oversight committee for Phase 2 and that the process needed to be efficient. He stated that TJPA would need to consider the value of forming a committee that already had representatives on the TJPA Board. Mr. Zabaneh added that he would consider having rail tenants that were funders advise the TJPA Board on Phase 2.

Chair Rosenfield stated that TJPA may determine the timing of the next meeting. He stated that his expectation was not to meet too frequently in the following six months.

### 10. Public Comment

This item allows members of the public to comment generally on matters within the CRC's purview that are not on the agenda.

Jim Patrick spoke about a lack of commitment to meet goals amongst multiple organizations. He felt that there was no overall leadership in transportation planning in the larger picture.

11. ADJOURN – The meeting was adjourned at 9:56 a.m.

The Ethics Commission of the City and County of San Francisco has asked us to remind individuals that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [Campaign and Gov't Conduct Code, Article II, Chapter 1, § 2.100, et seq.) to register and report lobbing activity. For more information about the Lobbyist Ordinance, please contact the Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102, telephone (415) 252-3100, fax (415) 252-3124 and web site: www.sfethics.org.

# Transbay Transit Center Community Facilities District Status of Development December 2018 Update

I	Project	Address	Owner	Use	Units or Office SF	Actual/Estimated NET CFD Bond Proceeds (in millions) as of 11/18	Cumulative Actual/Estimated NET CFD Bond Proceeds (in millions) as of 11/18	Original Estimated Completion	TCO Received or Expected (Calendar Year)	CFC Received or Expected (Calendar Year)	Current Status
5	Salesforce East	350 Mission St	KR 350 Mission	Office	420,000 SF	\$3.7	\$3.7	2016	12/31/15	3/23/2017	Construction completed.
Ē	Block 6 / Solaire	299 Fremont St	Golub	Residential	479 DU	\$24.1	\$27.9	2016	04/25/16	3/23/2017	Construction completed.
\$	Salesforce Tower - Part I	415 Mission St	Boston Properties/ Hines	Office	1,420,000 SF	\$121.4	\$149.2	2017	09/24/17	To come	Construction completed; confirming CFC
Ş	Salesforce Tower - Part II	415 Mission St	Boston Properties/ Hines	Office	1,420,000 SF	\$1.6	\$150.9	07/09/05	09/24/17	To come	Construction completed; confirming CFC
) [	41 Tehama / 33 Tehama	41 Tehama St / 33 Tehama St	Hines	Residential	398 DU	\$17.6	\$168.5	07/08/05	11/17/17	5/22/2018	Construction completed.
	181 Fremont	181 Fremont St	Jay Paul Co	Office/Residential	Ofc: 404,000 SF Res: 74 DU	\$46.7	\$215.2	07/09/05	05/08/18	TBD	Construction completed; CFC not issued as of 9/18/18
Ē	Block 5 / Park Tower	250 Howard St	Golub/John Buck Co	Office	767,000 SF	\$54.1	\$269.3	1Q 2019	10/25/18	TBD	TCO received 10/25/18
	Block 9	500 Folsom St	TMG/Essex/Bridge	Residential	767,000 SF	\$17.5	\$286.8	1Q 2019	2Q 2019	TBD	Under construction; completion estimate 2Q 2019
E	Block 8 / The Avery	250 Fremont St	Related Co/TNDC	Residential	548 DU	\$41.5	\$328.3	1Q 2020	2Q 2019	TBD	Under construction; completion estimated 2Q 2019
E	Block 1 / Mira	160 Folsom St	Tishman Speyer	Residential	393 DU	\$32.4	\$360.7	1Q 2020	4Q 2019	TBD	Under construction; completion estimate 4Q 2019
	75 Howard St/ One Steuart Lane	75 Howard St	Paramount	Residential	122 DU	\$24.5	\$385.3	2019	Q2 2020	TBD	Project approved at CPC on 9/3/15; permits issued 10/25/17; under construction
(	Oceanwide Center	50 1 <sup>st</sup> St	Oceanwide	Office/Residential/ Hotel	Ofc: 790,236 SF Res: 265 DU Hotel: 245,895 SF	\$148.0	\$533.3	2021	2Q 2021	TBD	Project approved at CPC on 5/5/16; multiple demo and new construction/alteration permits filed (new construction); permits issued on 2/1/7 and 7/5/17
Ę	555 Howard	555 Howard St	SKS, Pacific Eagle	Residential/Hotel	Res: 63 DU Hotel: 255 Rms 206,562 SF GFA: 358,600 SF	\$30.6	\$563.9	2021	2022	TBD	Environmental Review – Approved at Planning Commission on March 2, 2017; Site Permit under review w/DBI, status unkown.
į	524 Howard	524 Howard St	Crescent Heights	Residential	334 DU	\$29.5	\$593.4	2019	2023	TBD	Project approved at CPC on 11/13/16; no site permit; status unknown.
E	Block 4	200 Maine St	Option for Hines to buy	Residential	Est. 570 DU	\$35.7	\$629.1	2022	2Q 2023	TBD	Northern portion of Temporary Terminal. OCII Commission Approvals process underway.
F	Parcel F	550 Howard St	Hines	Office/Residential/ Hotel	Ofc: 274,976 SF Res: 165 DU Hotel: 189 Rms 238,800 SF	\$89.8	\$718.9	2023	2Q 2023	TBD	TJPA contractor use reserved until Dec. 2016; project under review with Planning (no hearing dates set)

\$718.9

First issuance of CFD bonds - Special Tax Bonds, Series 2017 A&B. Total bond proceeds allocated to TJPA were \$149.2 million.

Proposed second issuance of CFD bonds - Special Tax Bonds, Series 2018 A&B. Bonds proceeds allocated to TJPA are estimated to be \$127.5 million, which will make Phase I of the project whole and pay off a portion of the City Interim COP (currently \$103 million outstanding). Estimated third issuance of CFD bonds, which is anticipated to pay off the remaining balance of the City Interim COP.



## Memorandum

**To:** Cost Review Committee

From: Ron Alameida, Director of Design & Construction for the Transbay Transit Center, SF Public Works

Dennis Turchon, Senior Construction Manager, TJPA

Mary Pryor, TJPA Finance Advisor

**Date:** For the Committee Meeting of December 10, 2018

**Re:** Agenda Items 7-8

# <u>Agenda Item 7 – Expenditures and Commitments of Proceeds of the City Financing that Require</u> CRC Approval

### Commitments

The Cost Review Committee (CRC) has previously given authorization for Transbay Joint Powers Authority (TJPA) to issue commitments (budget appropriations) for various construction, construction administration, and legal costs of up to \$175 million in City Financing proceeds and draws of up to \$145 million. In addition, in April 2018, the CRC authorized the use of up to \$25 million in City Financing proceeds to issue commitments (budget appropriations) for base building and tenant improvements.

The commitments through November 20, 2018 are shown below; they represent a \$6.3 million increase since August 29, 2018, primarily attributable to Transit Center design team construction administration, logistics packages, legal costs, and base building improvements.

Scope/Trade Package/Contract	Type <sup>1</sup>	Committed
Transit Center Design Team Construction Admin	NTP	2,676,058
Various Logistics Packages	NTP / CCOs	17,052,657
TG07.2 Superstructure Concrete	CCO	961,995
TG07.3 Miscellaneous Metals	CCOs	133,155
TG07.6 Concrete Topping Slabs/Rails/Joints	NTP	10,558,686
TG08.2 Exterior Awning	NTP	9,646,200
TG08.6 Metal Ceilings	NTP/CCO	4,849,094
TG08.11 Glass Curtain Walls/Skylights	NTP	14,375,033
TG10.3 Heating Ventilation Air Conditioning	NTP/CCO	617,105
TG10.4 Electrical/Communications	NTP	15,483,683
TG12.1 Civil/Sitework at Grade	NTP	5,823,078
TG13.1 Roof Park Landscaping & Irrigation	NTP/CCO	11,560,188
TG13.2 Roofing/Waterproofing	NTP	2,996,305
TG16.0 - Interiors/Finishes	NTP	11,324,678

 $<sup>^{\</sup>rm 1}$  NTP – Notice to Proceed. CCO – Contract Change Order. RFS – Request for Services.

TG16.8 Fireproofing/Intumescent Spray	NTP	1,848,936
TG18.1 Bus Ramps	NTP	5,220,650
Enhanced Commissioning	NTP	50,000
WOJV Procurement	CCO	103,500
Physical Security Information Management System	NTP	2,299,209
SFPUC Permanent Power	Power Agreement	1,079,859
Elevator/Escalator Capitalized Maintenance	NTP	406,426
Transit Center Permits and Fees	Other	132,183
Seyfarth Shaw / Jones Day; Constr / Litigation Counsel	RFS	12,084,530
Public Art Program	Artist Contracts	886,550
Bus Storage Construction	NTP	23,717,604
Bus Storage Constr Admin & Constr Management	NTP	528,993
Other Bus Storage costs, incl. permits	Other	535,398
Base Building Improvements	Other	1,505,856
Subtotal		\$158,457,610
Issuance Costs	Financing	1,181,314
Total with Issuance Costs		\$159,638,924
CRC Authorizations to Date		\$200,000,000
Available Balance for Commitments		\$40,361,076

In the upcoming months, TJPA anticipates the following commitments of City Financing, including commitments for tenant improvements:

Scope/Trade Package/Contract	Planned Commitment	New CRC Authorization
Construction CCOs	\$9,970,000	
Pelli (Warranty Support and Extended CA)	\$1,287,000	
PMPC	\$400,000	
301 Mission Legal (Jones Day and Legal Bench)	\$3,246,945	
Base / Tenant Improvements	\$23,494,144	
Peer Review Panel	\$510,000	Yes
<b>Total Planned Commitments</b>	\$38,908,089	
Available CRC Authorized Balance for Commitments	\$40,361,076	
Remaining Balance for Commitments	\$1,452,987	

The TJPA requests the CRC's authorization to commit City Financing funds for the Peer Review. Agenda Item 8 provides additional information for the anticipated change orders and contract amendments that are included in the table above.

### **Expenditures**

To date, TJPA has received and spent \$103,000,000 in City Financing funds. TJPA anticipates that while access to the City Financing funds will be needed for contract commitments, no additional funds will be needed for payments. This is contingent upon the City completing its second issuance of Community Facilities District (CFD) bonds early in calendar year 2019. On November 29, 2018, the Budget and Finance Committee forwarded the second CFD Bond issuance item to the full San Francisco Board of Supervisors.

Due to changes in the schedules for both the Transit Center construction project and the bond issuances, the TJPA will be able to discontinue its draws of City Financing funds and instead use CFD Bond proceeds for upcoming project costs. Following discussions with the San Francisco City Controller and Office of Public Finance staff, the TJPA plans to use proceeds from the second CFD Bond issuance for project costs rather than using the full amount of the second bond issuance for repayment of the City Financing, as had been originally planned in 2016. This allows TJPA to limit its draws on the City Financing to \$103,000,000. It is anticipated that the full repayment of the City Financing will occur with the third CFD bond issuance, as originally planned.

### Agenda Item 8 - Opportunity to Comment on Contracts, Change Orders and Contract Amendments that Require CRC Review

### Peer Review Panel

As a result of the fissures discovered on September 25, 2018, TJPA staff engaged an independent expert to review the Temporary Shoring System and planned to engage a panel of technical experts to participate in an independent review of the Permanent Reinforcement Fix, the TJPA's findings with respect to the cause of the fissures, and such other related matters as appropriate. On October 4, 2018, the Mayors of the City and County of San Francisco and the City of Oakland urged the Metropolitan Transportation Commission (MTC) to facilitate an independent peer review panel. MTC was willing to engage such a panel in lieu of the TJPA, and MTC has already started to facilitate the independent peer review panel; the panel's work is on-going.

MTC has requested that the TJPA reimburse MTC for certain fees related to the peer review panel, for an amount not to exceed \$510,000. TJPA staff anticipates that these costs ultimately will be paid by the party or parties found responsible for the fissure. Thus, the TJPA expects to seek reimbursement of these costs from that party or parties. At the November 8, 2018 Board meeting, the TJPA approved the agreement with MTC and a transfer of Program Reserves to fund the effort. TJPA is requesting to fund this work with City Financing proceeds prior to possible reimbursement by the party or parties responsible for the fissures.

Construction Change Orders above the \$250,000 Threshold and/or to be funded with City Financing

### **Transit Center**

There are no new requests for change orders related to the transit center. Construction Change Orders (CCOs) continue to be issued against previously reviewed and approved budgets for the transit center. In follow-up to the previously authorized amount of \$17,414,000 by the CRC for closeout CCOs, please refer to the attachment that provides a ledger and brief description of each CCO drawing down on the authorization.

### **Bus Storage Facility (BSF)**

The CRC previously authorized \$3,365,905 for CCOs related to the bus storage facility. Of the authorized amount, the current CCOs approved to date totals \$2,108,884. It is anticipated that the total amount for all change orders (including pending issues) will not exceed \$3.1 million. The Request to the CRC is to authorize general closeout usage, independent of specific scope for the remaining capacity within the authorization.

The attached change order logs provide further detail on all CCOs presented to the CRC to-date.

### Agenda Item #8 - Construction Amendments and Changes Log (Bus Storage Facility)

Updated 11/30/18										· ,,						
			Date	Date No	Amount No	CCO Final		Contingency								
Trade Package	CCO/CR No.	Total Value	submitted to	Exceptions	Exceptions Taken	Approved	CCO Category	Source	Fund Source	CCO Issue						
			CRC	Taken by CRC	by CRC	Amount		Jource								
BSF	CCO # 1	\$9,679	11/6/2017	11/17/2017	\$9,679	\$9,679	Unforeseen Condition	TJPA	City Financing	Soil Testing Support						
			/ . /		4					Class I & Class II Offhaul/Disposal - Additional Qty. the original \$628k value submitted to the CRC at						
BSF	CCO # 2	\$889,683	11/8/2017	11/17/2017	\$889,683	\$889,683	Unforeseen Condition	TJPA	City Financing	last meeting was an estimate and this new amount of \$889,683.05 k is the final resolution of the						
DCE	660 # 3	Ć4 02C	44/5/2047	44/47/2047	Ć4 026	¢4.026	Hafanaan Candillan	TIDA	City Fire and a	quantities.						
BSF	CCO # 3	\$1,036	11/6/2017	11/17/2017		\$1,036	Unforeseen Condition	TJPA	City Financing	Buried Light Pole Foundation						
BSF	CCO # 4	\$6,199	11/6/2017	11/17/2017		\$6,199	Unforeseen Condition	TJPA	City Financing	Water Main Potholing for Re-design (T&M)						
BSF	CCO # 5	\$21,131	11/6/2017	11/17/2017		\$21,131	Unforeseen Condition	TJPA	City Financing	SS Line Relocation Bents 13-14 (LS)						
BSF	CCO # 7	\$7,905		11/17/2017		\$7,905	Unforeseen Condition	TJPA	City Financing	Abut A6 Unsuitable Matl R&R (T&M)						
BSF BSF	CCO # 8 CCO # 12	\$20,250 \$24,315	11/6/2017 11/6/2017	11/17/2017 11/17/2017		\$20,250 \$24,315	Unforeseen Condition Unforeseen Condition	TJPA TJPA	City Financing City Financing	Waterline Tie-In Location Change (LS) SW1 Footing Conflict						
BSF	CCO # 13	\$3,131	11/6/2017	11/17/2017		\$3,131	Unforeseen Condition	TJPA	City Financing	SW3&4 Utility Conflicts						
BSF	CCO # 14	\$99,194	11/6/2017	11/17/2017		\$99,194	Unforeseen Condition	TJPA	City Financing	AW2 Buried Concrete Conflict						
BSF	CCO # 15	\$221,914	11/6/2017	11/17/2017		\$129,708	Unforeseen Condition	TJPA	City Financing	Class I Offhaul/Dispose Unit Price Adjustment						
BSF	CCO # 16	\$43,925	11/6/2017	11/17/2017		-\$18,985	Unforeseen Condition	TJPA	City Financing	Class II Offhaul/Dispose Unit Price Adjustment						
BSF	CCO # 19	\$4,820	11/6/2017	11/17/2017		4,820	Unforeseen Condition	TJPA	City Financing	Additional AC Removal BLR 11+50						
BSF	CCO #31	\$33,335	4/5/2018	4/5/2018		\$33,335	Unforeseen Condition	TJPA	City Financing	SW #3 & #4 Drainage Changes						
BSF	CCO #32	\$10,771	4/5/2018	4/5/2018		\$10,771		TJPA	City Financing	Bents 11 and 12 drainage Changes						
BSF	CCO #33	\$5,000	4/5/2018	4/5/2018			Unforeseen Condition	TJPA	City Financing	Costs to move MCM Trailer and Containers						
BSF	CCO #34	\$28,178	4/5/2018	4/5/2018	\$28,178	\$28,178	Unforeseen Condition	TJPA	City Financing	Remove and Replace Curb at Sta. 14+51 to 15+33						
BSF	CCO #35	\$5,000	4/5/2018	4/5/2018			Unforeseen Condition	TJPA	City Financing	Restake MSE#3 and RW#1&3						
BSF	CCO #38	\$26,000	4/5/2018	4/5/2018		\$26,000	Unforeseen Condition	TJPA	City Financing	Rental Parking Spaces at Parking Lot						
BSF	CCO #39	\$20,000	4/5/2018	4/5/2018			Unforeseen Condition	TJPA	City Financing	Additional Paving Near Existing Parking Lot						
BSF	CCO #40	\$80,000	4/5/2018	4/5/2018	\$80,000	\$72,854	Unforeseen Condition	TJPA	City Financing	Type 60-C Missing Scope (Dees Burke)						
BSF BSF	CCO #42 CCO #43	\$30,000 \$26,000	4/5/2018 4/5/2018	4/5/2018 4/5/2018			Unforeseen Condition	TJPA TJPA	City Financing City Financing	Changes to Water and Fire Line						
BSF	CCO # 6	\$13,906	11/6/2017	11/17/2017		\$13,906	Unforeseen Condition Owner Requested	TJPA		Additional Soundsorb Cladding Food Court Cleanup (T&M)						
BSF	CCO # 9	\$1,251	11/6/2017	11/17/2017		\$1,251	Owner Requested	TJPA	City Financing	Fence & Graffiti Repairs (T&M)						
BSF	CCO #10	\$1,231		11/17/2017		\$1,231	Owner Requested	TJPA	City Financing City Financing	Soundwall CIDH Pile Drilling Conditions						
BSF	CCO # 11	\$33,699	11/6/2017	11/17/2017		\$19,998	Owner Requested	TJPA	City Financing	2nd Street OCS Removal & Replacement by SFMTA						
BSF	CCO # 17	\$10,000.00	11/6/2017	11/17/2017		\$8,796.31	Owner Requested	TJPA	City Financing	Bus Link Striping and Signage						
BSF	CCO # 18	\$18,722	11/6/2017	11/17/2017		\$18,722	Owner Requested	TJPA	City Financing	SW3, SW4, Stillman/3rd Drainage Changes						
BSF	CCO #20	\$30,000	11/6/2017	11/17/2017		Ÿ10,722	Owner Requested	TJPA	City Financing	Bus Ramp Supplemental Striping						
BSF	CCO #21	\$41,109		1/15/2017		\$29,079	Owner Requested	TJPA	City Financing	Additional Cost Due to Changes of Sound Wall Height						
BSF	CCO #22	\$7,742		1/15/2017	\$7,742	, 2,2 2	Owner Requested	TJPA	City Financing	MSE Wall Drainage Changes						
BSF	CCO #23	\$917		1/15/2017		\$917	Owner Requested	TJPA	City Financing	Spare 2in Conduit for Future EV Charging Station						
BSF	CCO #25	\$50,000		1/15/2017	\$50,000		Owner Requested	TJPA	City Financing	Budgetary Costs for Lighting Inverter						
							·			Additional costs associated with Submittal #089-Fire Marshal Comments to add 2 additional card						
BSF	CCO #26	\$10,433	12/05/1017	1/15/2017	\$10,433		Owner Requested	TJPA	City Financing	readers.						
BSF	CCO #27	\$1,123	12/05/1017	1/15/2017	\$1,123	\$1,123	Owner Requested	TJPA	City Financing	Per owners request, added three (3) additional 20 MPH signs to the bus link ramp.						
BSF	CCO #28	\$4,750	4/5/2018	4/5/2018	\$4,750	\$4,749	Owner Requested	TJPA	City Financing	MCM Premium Time for Falsework Removal						
BSF	CCO #29	\$254,691	3/12/2018	3/12/2018	\$330,000	\$254,691	Owner Requested	TJPA	City Financing	Flashing Beacon, Barrier and striping work for Bus Ramps Project. Previously reported as CCOs 18						
									, ,	and 19 for \$330k.						
BSF	CCO #30	\$5,000	4/5/2018	4/5/2018		\$4,010	Owner Requested	TJPA	City Financing	Bridge Profilograph Testing						
BSF	CCO #36	\$37,000	4/5/2018	4/5/2018			Owner Requested	TJPA	City Financing	Modular Building Material Changes						
BSF	CCO #37	\$10,235	4/5/2018	4/5/2018			Owner Requested	TJPA	City Financing	Admin Lockers						
BSF	CCO #41	\$40,000	4/5/2018	4/5/2018	\$40,000		Owner Requested	TJPA	City Financing	Repair High Mast Feeder						
BSF	CCO #44	\$20,787	4/5/2018	4/5/2018			Owner Requested	TJPA	City Financing	LED Upgrade (PHX SL #1)						
BSF	CCO #45	\$17,400	4/5/2018	4/5/2018	\$17,400		Owner Requested	TJPA	City Financing	PG&E Feeder (PHX SL #6)						
BSF	CCO #46	\$350,000	5/4/2018	5/18/2018		\$138,082	Owner Requested	TJPA	City Financing	Bus Ramp Frame 2 turnaround structure						
BSF	CCO # 47	\$50,000	5/4/2018	5/18/2018		\$24,801	Owner Requested	TJPA	City Financing	Harrison slip ramp addition Channelizers @ 5' spacing (White/white)						
BSF	CCO # 48	\$50,000	5/4/2018	5/18/2018			Owner Requested	TJPA	City Financing	Additional Class 1 offhaul at Modular Admin bldg. (Formerly CCO 49)						
BSF	CCO # 49	\$38,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	3rd Street Entrance with the City & SFMTA, Requirement						
BSF	CCO # 50	\$27,500	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	AC Transit Additional Striping & Signs						
BSF	CCO # 51	\$33,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	Slide Gate at Harrison Ramp (Formerly CCO 48)						
BSF	CCO # 52	\$100,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	ASI 150-024 Street Lighting at Clementina, Tehama and Howard Streets						
BSF	CCO # 53	\$110,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	BSF low voltage, fiber between BSF and Transit Center Building. Internet						
BSF	CCO # 54	\$17,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	Clementina street Glarescreen						
BSF	CCO # 55	\$182,175	8/20/2018	8/29/2018		172,175	Owner Requested	TJPA	City Financing	Arup RFI 7746-Structure Backfill, Rough Grading, Paving Co.						
BSF	CCO # 56	\$12,000	8/20/2018	8/29/2018			Owner Requested	TJPA	City Financing	BSF Guardrail Ends.						
BSF	COR varies	\$150,000				47,381	Owner Requested	TJPA	City Financing	Misc. Caltrans Changes, Street Light/Pole Changes, Rolling Gate, ASI 023/024						
	Total	\$3,365,905		CCO Fi	nal Approved Total	\$2,108,884										

<b>New Construction Changes</b>	
Process (Presented to CRC)	
Approved	

### Agenda Item #8 - Construction Amendments and Changes Log (Transit Center)

November 28, 2018	<b>!</b>			0					- 00	ob (manistr center)					
			Date submitted	Date No	Amount No	CCO Final Approved			T						
Trade Package	CCO/CR No.	Total Value	to CRC	Exceptions	Exceptions Taken	Amount	CCO Category	Contingency Source	Fund Source	CCO Issue					
								mpliance							
10.4	COR 311826	\$650,000	2/16/2018	2/16/2018	\$650,000		Code Compliance	TJPA	CFD	Fire Management System Changes					
							Coord	lination							
7.2/7.6	COR 311374	\$375,000	8/31/2017	8/31/2017	\$375,000		Coordination	CMGC	CFD	Curb Extension at Elevator Fronts for All Elevator Shafts					
10.2	COR 311901	\$700,000			\$700,000		Coordination	CMGC	CFD	RFI T-6025 - Revised Supports to Account for Phase 2 Mechanical Duct					
-		,,	, , , , ,	, ,, ,	,,				-						
							Errors &	Omissions							
7.2	COR	\$3,000,000		11/17/2017	\$3,000,000		Errors & Omissions	TJPA	CFD	General Closeout Items					
7.2	COR 311001	\$310,000	8/31/2017	8/31/2017	\$310,000		Errors & Omissions	TJPA	CFD	Escalator Issues - Added Mid-Span Support.					
10.2 10.4	COR 311901 COR	\$1,000,000 \$300,000	8/24/2018 8/24/2018	8/24/2018 8/24/2018	\$1,000,000 \$300,000		Errors & Omissions Errors & Omissions	TJPA TJPA	CFD CFD	Revised Supports for Piping in Service Corridors  RFI T-6974.1 Modified LE-281 Fixture and Power Feed Location					
10.4	COR	\$300,000	8/24/2018	8/24/2018	\$300,000		Errors & Omissions	TJPA	CFD	RFI-T 6854.1 Installation of Dedicated Emergency Circuit for Elevator Monitoring System					
10.4	COR 313473	\$2,000,000	8/24/2018	8/24/2018	\$2,000,000		Errors & Omissions	TJPA	CFD	RFI T-7267 Power to Signage Pylons					
10.4	COR 312021	\$800,000	2/16/2018	8/24/2018	\$800,000		Errors & Omissions	TJPA	CFD	RFI T-5960 Added Door Power					
10.4	COR 312719	\$350,000	2/16/2018	2/16/2018	\$350,000		Errors & Omissions	TJPA	CFD	IDF Room Build-out					
10.4	COR 311105	\$2,300,000	11/7/2016	11/18/2016	\$2,300,000		Errors & Omissions	TJPA/CMGC	CFD	Hardened Conduit RFI T-3669					
13.1	COR 311562	\$100,000	8/31/2017	8/31/2017	\$100,000		Errors & Omissions	TJPA	CFD	Change to Glass Type for Bus Glass Wall					
16.0 18.1	COR COR 310480	\$1,000,000 \$700,000	2/16/2018 11/10/2017	2/16/2018 11/17/2017	\$1,000,000 \$700,000		Errors & Omissions Errors & Omissions	TJPA/CMGC TJPA	CFD TIFIA	Skanska General Scope Closeout Items Revised sizes for Link Beams per ASI 150, General Design Issues					
18.1	COR	\$1,000,000	11/10/2017	11/17/2017	\$1,000,000		Errors & Omissions	TJPA	CFD	General Closeout Items					
7.2	COR 311408	\$3,300,000	5/8/2017	5/19/2017	\$3,300,000	\$2,045,732	Errors & Omissions	TJPA	CFD	W-Systems Impact to Structural Concrete Package. COR submitted at \$6.3M, but \$3M due to inefficiencies /delays					
7.2	COR 311981	\$900,000	8/31/2017	8/31/2017	\$900,000	\$783,827	Errors & Omissions	TJPA	CFD	Rebar Changes from Bid Including ASI 128					
7.2	CCO 0426	\$1,000,000	2/6/2017	2/17/2017	\$1,000,000	\$443,801	Errors & Omissions	TJPA	TIFIA	Built Up Slabs in Ground Level and Roof Level					
7.3	CCO 0412	\$97,000		8/31/2017	\$97,000	\$76,576	Errors & Omissions	TJPA	City Financing	Roof Park Restaurant Cable Guardrail Continuity Plate per RFI T-5041 Series					
8.11R	CCO 0416	\$912,000		5/19/2017	\$912,000	\$859,088	Errors & Omissions	TJPA	TIFIA	W-13 Frame Modifications					
8.11R	CCO 1063	\$270,000		5/19/2017	\$270,000	\$254,915	Errors & Omissions	TJPA	TIFIA	W-12 Perimeter Expansion Joint Infill Plate					
8.4 10.2	311044 *COR 312336	\$300,000 \$450,000	11/10/2017 11/10/2017	11/17/2017 11/17/2017	\$300,000 \$450,000	\$290,121 \$345,012	Errors & Omissions Errors & Omissions	TJPA TJPA	CFD CFD	ASI 141 Changes for Metal Panel System  RFI T-6805 Wrapping Fuel Oil Piping in Lieu of 2 Hour Enclosure					
10.2	COR 311542	\$1,010,000		11/17/2017	\$1,010,000	\$917,040	Errors & Omissions	ТЈРА	CFD	Gray Water System Clarification RFIs					
10.2	*COR 311439	\$500,000		5/19/2017	\$500,000	\$487,824	Errors & Omissions	TJPA	CFD	DBI Venting Requirements - CCO 0390, 594,0561					
10.2	CCO 0402	\$660,000		8/31/2017	\$660,000	\$617,304	Errors & Omissions	TJPA	TIFIA	ASI 138 Revisions					
10.2	CCO 0343	\$800,000		3/22/2017	\$800,000	\$673,785	Errors & Omissions	TJPA	TIFIA	Connection to Sewer Mains per RFI T-5029					
10.4	COR 311110	\$325,000		8/31/2017	\$350,000	\$323,964	Errors & Omissions	TJPA	CFD	TG10.4 ASI 141 Electrical Changes					
13.1	COR 311561	\$350,000		8/31/2017	\$350,000	\$134,590	Errors & Omissions	TJPA	CFD	Shoe Design Changes at Bus Fountain					
13.2	CCO 0362	\$300,000		5/19/2017	\$300,000	\$297,101	Errors & Omissions	TJPA	City Financing	Add FC 4 Layers and revision to INS-14 per ASI 138					
18.1	COR 312068	\$300,000		11/17/2017	\$300,000	\$233,583	Errors & Omissions	TJPA	TIFIA	Changes to Cal Trans Substation Building Lot Elevations					
18.1 18.1	COR 311099 CCO 0290.1	\$1,500,000 \$736,000	11/10/2017 8/22/2016	11/17/2017 8/24/2016	\$1,500,000 \$736,000	\$367,498 \$691,702	Errors & Omissions Errors & Omissions	TJPA TJPA	City Financing Bridge Loan	Hinge 9 Expansion Joint  Revisions to the Bus Ramp Cable Stay Hinge 8 Expansion Joint per ASI 150-015.					
18.1	CCO 0373.1	\$475,000		8/24/2016	\$475,000	\$367,498	Errors & Omissions	TJPA	TIFIA	Revisions to the Bus Ramp Cable Stay Hinge 9 Expansion Joint per ASI 150-016.					
-		, ,,,,,,	2, , 2	2, , 2	, 2,222	(22 ) 22		-							
							Owner F	Requested							
7.2	COR 310937	\$800,000					Owner Requested	TJPA	TIFIA	Pour backs for curbs, other curb issues related to W2 system, General Closeout Items					
10.4	COR 310485	\$7,400,000				Ć430 044	Owner Requested	TJPA	CFD	ASI 131 "No Fly Zone"					
7.2 7.2	CCO 0324 CCO 0312	\$455,000 \$750,000		2/17/2017 11/18/2016	\$455,000 \$750,000	\$428,811 \$708,975	Owner Requested Owner Requested	TJPA TJPA	City Financing TIFIA	Gantry Beams at Ground Level above Transformer Vaults per ASI 121  Additional Wall Plates at Lower Concourse Walls					
7.2	CCO 0269.1	\$325,000		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 GL 10-20					
7.2	CCO 0291	\$368,000		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.					
7.6	COR 311367	\$260,000			\$260,000	-\$101,621	Owner Requested	TJPA	CFD	Changes to the GL 35 Seismic Joints due to the OCS footing interrupting the joints and replacing the SJ cover with 1"					
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					
10.2	*COR 310461.2	\$325,000		5/18/2018	\$325,000	\$289,110	Owner Requested	TJPA	CFD	CM/GC Trailer Relocation Due to TJPA Sale of Lot N					
10.3	CCO 0304	\$118,000		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	CCO 0366	\$420,000	2/6/2017	2/17/2017	\$420,000	\$7,185	Owner Requested	TJPA	City Financing	Landscape Changes per ASI 138					
		<u> </u>					Schodulo	Mitigation							
7.2	COR 311070.1	\$450,000	2/16/2018	2/16/2018	\$450,000		Schedule Mitigation	CMGC	CFD	Dry Finish Acceleration Part 2					
8.6R	COR 312232	\$800,000	2/16/2018	2/16/2018	\$800,000		Schedule Mitigation	CMGC	CFD	Storage of W-14 Ceiling Panels					
10.4	COR 311616.2	\$280,000	2/16/2018	2/16/2018	\$280,000		Schedule Mitigation	CMGC	CFD	Single Line - Acceleration					
10.4	COR 311967	\$380,000	2/16/2018	2/16/2018	\$380,000		Schedule Mitigation	CMGC	CFD	Electrical Zone 4 Acceleration					
10.4	COR	\$600,000	2/16/2018	2/16/2018	\$600,000		Schedule Mitigation	CMGC	CFD	Supplemental Man-power - Rosendin					
10.4	COR 311736	\$310,000	2/16/2018	2/16/2018	\$310,000		Schedule Mitigation	CMGC	CFD	SFPUC Vault Acceleration					
16.0	COR 311825	\$600,000	11/10/2017	11/17/2017	\$600,000		Schedule Mitigation	TJPA	CFD	Skanska Inefficiency Costs					
5.10	COR 312195.1	\$280,000		2/16/2017	\$280,000	\$259,546	Schedule Mitigation	CMGC	CFD	Grand Hall Temporary Floor Protection					
7.2	*COR	\$1,200,000		2/17/2017	\$1,200,000	\$895,298	Schedule Mitigation	CMGC	TIFIA CFD	Schedule Recovery for TG 7.2 scope, premium time only, using CM/GC Contingency per contract.					
7.6	COR	\$1,000,000	2/16/2018	2/16/2018	\$1,000,000	\$951,440	Schedule Mitigation	CMGC	CFD	Trade Package 12.1 to 07.6 Scope Transfer Reconciliation (Ref CCO 503, 1112, and Zones 1-3)					
		<u> </u>					Scope Pro	ocurement							
10.2	COR 311837.1	\$700,000	8/24/2018	8/24/2018	\$700,000		Scope Procurement	TJPA	CFD	PG&E added Supports for Gas Meter					
10.4	COR 312021.2	\$450,000	8/24/2018	8/24/2018	\$450,000		Scope Procurement	TJPA	CFD	120V Power to Crown Corr Doors					
7.2	COR 310599	\$650,000		11/17/2017	\$650,000		Scope Procurement	CMGC	CFD	Deck Steel Plates at Tall Curbs					
7.2	COR 311646	\$370,000		11/17/2017	\$370,000		Scope Procurement	CMGC	CFD	Roof Built Up Slab					
10.4	COR 311155-1	\$1,200,000	4/5/2018	3/21/2018	\$1,200,000		Scope Procurement	TJPA	CFD	ASI 143 - Incorporation of Phase 1.5 Converge Network Package					
10.4 10.4	COR 311397 CR T-517	\$2,100,000 \$2,500,000	2/16/2018 11/10/2017	2/16/2018 11/17/2017	\$2,100,000 \$2,500,000		Scope Procurement Scope Procurement	CMGC TJPA	CFD CFD	A1 Light Fixtures TG10.4 Revised ERRCS Scope From ASI 134					
10.4	CIV 1-31/	عد,500,000	11/10/201/	11/1//201/	72,300,000		Juope Frouitement	IJFA	CFD	TO TO THE VISCUE LINES SCOPE FIRM AST 134					

### Agenda Item #8 - Construction Amendments and Changes Log (Transit Center)

#### November 28, 2018

November 28, 2018			Date submitted	Date No	Amount No	CCO Final Approved							
Trade Package	CCO/CR No.	Total Value	to CRC	Exceptions	Exceptions Taken	Amount	CCO Category	Contingency Source	Fund Source	CCO Issue			
10.4	COR 311034	\$1,100,000	8/31/2017	11/17/2017	\$1,100,000		Scope Procurement	TJPA/Reimbursable	SFPUC	SFPUC Switchgear and Cabling Additional Work.			
14.1B	COR 311970	\$450,000	8/31/2017	8/31/2017	\$280,000		Scope Procurement	TJPA	CFD	Addition of LED Skirt Lighting, Increased Foot Candela and Other Emergency Backup Elements			
n/a	CCO 0410	\$42,000	8/31/2017	8/31/2017	\$42,000	\$41,689	Scope Procurement	TJPA	City Financing	Roof Park Restaurant Handrail IPE Wood Cap			
	COR	\$43,600	11/10/2017	11/17/2017	\$43,600	\$43,600	Scope Procurement	TJPA	CFD	Tim Hawkinson Concrete Removal Contract			
4.2	CR T-383.A	\$5,500,000	4/5/2018	4/5/2018	\$5,500,000	\$1,563,188	Scope Procurement	TJPA	CFD	Traction Power (Base Scope up to 2nd Street). \$5.5 million was presented to the CRC on 2/16/18.			
4.2	CR T-383.A	\$4,500,000	4/5/2018	-	n/a		Scope Procurement	TJPA	n/a	Traction Power (2nd Street to 5th Street) - Scope Voided			
4.2	COR 311395	\$550,000	11/10/2017	11/17/2017	\$550,000	\$258,750	Scope Procurement	TJPA	CFD	OCS Fiberglass Support System Installation			
5.XX	CCO 1129, 1132	\$4,500,000	2/16/2018	2/16/2018	\$4,500,000	\$4,500,000	Scope Procurement	CMGC	CFD	Additional Temporary Facilities for Phased Completion (Post December 22, 2017)			
5.10	CCO1137	\$3,350,000	4/5/2018	3/21/2018	\$3,350,000	\$3,350,000	Scope Procurement	CMGC	CFD	Additional Temporary Facilities for Phased Completion, for June through August 2018			
5.10	COR 310496	\$1,400,000	11/10/2017	11/17/2017	\$1,400,000	\$1,398,300	Scope Procurement	TJPA	CFD	Overhead Protection at First and Fremont			
5.10	COR 310505.1	\$1,108,000	11/10/2017	11/17/2017	\$1,108,000	\$1,052,716	Scope Procurement	TJPA	CFD	Site Dewatering			
5.10	COR 310841.1	\$2,170,000	11/10/2017	11/17/2017	\$2,170,000	\$1,780,013	Scope Procurement	TJPA	CFD	Furnish Site Dumpsters for LEED Related Construction Waste			
5.10	COR 312079	\$500,000	11/10/2017	11/17/2017	\$500,000	\$477,112	Scope Procurement	TJPA	CFD	Provide Plywood Backer Boards for IDF/MDF Rooms			
7.2	CCO 0393.1	\$250,000	2/6/2017	2/17/2017	\$250,000	\$87,153	Scope Procurement	TJPA	MTC AB1171	Drum Café Revisions			
7.2	CCO 0328	\$445,000	11/7/2016	11/18/2016	\$445,000	\$434,946	Scope Procurement	TJPA	City Financing	West Throat Vent Shaft Concrete			
7.3	CCO 0370	\$60,000	5/8/2017	5/19/2017	\$60,000	\$56,579	Scope Procurement	TJPA	City Financing	Bent Plate Embed and SS Base Plate from ASI 128 for Roof Park Restaurant			
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.			
8.4	COR 310812	\$450,000	2/16/2018	2/16/2018	\$450,000	\$416,919	Scope Procurement	CMGC	CFD	W-1 and W16C Installation Buy-out Design Impacts			
8.6R	CCO 0344	\$480,000	5/8/2017	5/19/2017	\$480,000	\$476,903	Scope Procurement	TJPA	TIFIA	ASI 140 Drop-in Span Aluminum Enclosure, VE Item.			
8.6R	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			
8.11R	CCO 0378	\$480,000	8/31/2017	8/31/2017	\$480,000	\$475,387	Scope Procurement	TJPA	TIFIA	Procurement of Glazing Door Hardware Package previously not procured. **Estimate increased			
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	COR 312695	\$595,000	4/5/2018	3/21/2018	\$595,000	\$593,007	Scope Procurement	TJPA	CFD	E2 Pylon Louvers and Frosted Lens			
10.4	COR 311671.1	\$600,000	8/31/2017	8/31/2017	\$600,000	\$463,487	Scope Procurement	TJPA	CFD	E2 Pylon Beacon Power per RFI T-4988			
10.4	CCO 0284	\$1,330,000	11/7/2016	11/18/2016	\$1,330,000	\$1,202,996	Scope Procurement	TJPA	TIFIA	Phase 1.5 ASI 144			
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.			
10.4	CCO 0379	\$390,000	3/22/2017	3/22/2017	\$390,000	\$275,056	Scope Procurement	TJPA	TIFIA	Added Stairwell Lighting per RFI T-5585.1			
12.1	COR	\$1,500,000	2/16/2018	2/16/2018	\$1,500,000	\$1,320,803	Scope Procurement	TJPA	CFD	Traffic Signal Revisions and Streetlight Revisions (Ref CR T-502, T-571, and T-543)			
13.1	COR 311740	\$300,000	8/31/2017	8/31/2017	\$300,000	\$97,298	Scope Procurement	TJPA	City Financing	Contract Grow Monthly Maintenance and Storage			
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			
16.0	*COR 312686	\$450,000	2/16/2018	2/16/2018	\$450,000	\$198,633	Scope Procurement	TJPA	CFD	CR T-319 ASI 148 Incorporation of RFI Responses			
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			
							<u></u>	Settlement					
7.1	COR 310296.1	\$672,750	8/22/2016	8/24/2016	\$672,750	\$637,974	BBII Settlement	TJPA	CFD	Removal of Sand Inclusions in Bus Deck level cast node pads, CCO 428 added			
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.			
Various	*COR	\$17,414,000	8/24/2018	8/29/18	\$17,414,000	\$2,605,024	Various	Various	CFD/City Financing	General Closeout Items for all Trades and Resolution of Resolvable Claims. As of November 2018, \$2.6M of the \$17 approved budget amount has been issued as CCOs.			
	Total	\$109,772,350		CCO Fi	nal Approved Total	\$42,423,538							

<sup>\*</sup> Executed since last CRC meeting

New Construction Changes
In Process (Presented to CRC)
Approved

de Packages	Si:		
4.2	Utility Relocation - Mission St. AWSS	10.3	Mechanical/HVAC
5.1	Temporary Facilities	10.4	Electrical
7.1	Structural Steel	10.5	Fire Protection and Suppression
7.2	Structural Concrete	12.1	Civil/Site Work at Grade/Ground Level Landscaping
7.3	Miscellaneous Metal	13.1	Landscaping and Irrigation
7.6	Topping Slabs, Bus Crash Rail and Expansion Joints	13.2	Roofing/Waterproofing
8.4	Metal Panels	14.1B	Escalators
8.6R	Metal Ceilings	16.0	Interiors/Finishes
8.11R	Glass Curtain Wall/Skylights	16.8	Fireproofing/Intumescent Spray
10.2	Plumbing	18.1	Bus Ramp

<sup>\*\*</sup> Increased Total Value from Previously Approved
MODS and amounts paid directly by WOJV (not thru TJPA) are not included in this estimate

### CRC Agenda Item No. 8

COR	COR #	Description TSSS AW 464 Paral Parallel and PE788 are PSLT 7447	Current Value	Status	Trade Group	CCO Executed F		<u>CR #</u>	CCO #	CCO Status
COR 312343 / CR T-809 / CCO 1171	312343	TG08.4 W-16A Panel Reorder at PE700 per RFI T-7117	\$13,443.00	Proceed to CCO (COR)	TG08.4 MWP	9/11/2018	\$13,443.00	T-809	1171	Executed (CCO)
COR 311501 / CR T-765 / CCO 1155	311501	TG16.0 - TG16.0 Lower Concourse Line 2/C Scaffold Removal TG16.0 RFI T-4607.1	\$1,580.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$1,580.00	T-765	1155	Executed (CCO)
COR 312238 / CR T-765 / CCO 1155 COR 311374 / CR T-765 / CCO 1155	312238 311374	TG16.0 PE400 Front Premium	\$1,134.00 \$543.00	Proceed to CCO (COR) Proceed to CCO (COR)	TG16.0 INT TG16.0 INT	9/12/2018 9/12/2018	\$1,134.00 \$543.00	T-765 T-765	1155 1155	Executed (CCO) Executed (CCO)
COR 312800 / CR T-807 / CCO 1174	311374	TG16.0 AR0162 Trade Damage Zone 4	\$2,358.06	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$2,358.06	T-807	1174	Executed (CCO)
COR 3123007 CR 1-3077 CCO 1174 COR 311534.2 / CR T-720 / CCO 1140	311534.2	TG13.2 RWP - Accel of WPM- and RF-1 at Roof Level	\$2,338.00	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$2,338.00	T-720	11/4	Executed (CCO)
COR 311989.2 / CR T-724 / CCO 1140	311989.2	TG13.2 RWP - Accier of WPM-2 at the Ramp	\$3,609.80	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$3,609.80	T-724	1140	Executed (CCO)
COR 313042 / CR T-691 / CCO 0546	311303.2	CCO 0546 TG13.2 - Credit For The Elimination of Damproofing RFI T-6803.1	(\$25,875.00)	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	(\$25,875.00)	T-691	546	Executed (CCO)
COR 313331 / CR T-728 / CCO 0546	313331	CCO 0546 RWP - Elim. of FC-2 at RampsParking Per RFI T-7598.2	(\$29,449.08)	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	(\$99,449.08)	T-728	546	Executed (CCO)
COR 311887.1 / CR T-636 / CCO 1162	311887.1	TG13.2 RWP Waterproofing CAP at Gantry Beam	\$17,572.93	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$17,572.93	T-636	1162	Executed (CCO)
COR 313289 / CR T-805 / CCO 1174	313289	TG16.0 Grand Hall Cleaning	\$963.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$963.00	T-805	1174	Executed (CCO)
COR 313396 / CR T-765 / CCO 1155	313396	TG16.0 SCC opening	\$623.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$623.00	T-765	1155	Executed (CCO)
COR 311633 / CR T-765 / CCO 1155	311633	TG16.0 AR0232 Scaffold	\$17,693.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$17,693.00	T-765	1155	Executed (CCO)
COR 313453 / CR T-765 / CCO 1174	313453	TG16.0 AR0248 RPR Paint OT	\$541.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$541.00	T-765	1174	Executed (CCO)
COR 313358 / CR T-765 / CCO 1155	313358	TG16.0 Zone 4 Paint OT	\$1,089.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$1,089.00	T-765	1155	Executed (CCO)
COR 313557 / CR T-765 / CCO 1155	313557	TG16.0 B1640A B1250A	\$3,297.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$3,297.00	T-765	1155	Executed (CCO)
COR 311957 / CR T-802 / CCO 0580	311957	T – TG07.6 RFI T-6545 PE-SE 202 Curb Extension	\$14,767.38	Proceed to CCO (COR)	TG07.6 TOP	9/12/2018	\$14,767.38	T-802	580	Executed (CCO)
COR 312383 / CR T-802 / CCO 0580	312383	T - TG07.6 Grouting SE202 Door Sills at Multiple Levels	\$4,113.09	Proceed to CCO (COR)	TG07.6 TOP	9/12/2018	\$4,113.09	T-802	580	Executed (CCO)
COR 313313.1 / CR T-792 / CCO 1162	313313.1	TG13.2 Slick Line Blockout Damaging WPM-2	\$326.81	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$326.81	T-792	1162	Executed (CCO)
COR 313416 / CR T-785 / CCO 1169	313416	TG07.3 Additional Steel Flat	\$2,159.00	Proceed to CCO (COR)	TG07.3 MME	9/12/2018	\$2,159.00	T-785	1169	Executed (CCO)
COR 311687 / CR T-795 / CCO 0576	311687	TG7.6 / Added SS Cover at Veh/Bike Ramp Compression Seal (ISSUE2307)(T-5781)	\$7,982.96	Proceed to CCO (COR)	TG07.6 TOP	9/12/2018	\$7,982.96	T-795,T-795	576	Executed (CCO)
COR 313542 / CR T-792 / CCO 1162	313542	TG13.2 - Accel. of WPM-3 and WPM-4 Roof Level	\$3,375.62	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$3,375.62	T-792	1162	Executed (CCO)
COR 313594 / CR T-792 / CCO 1162	313594	T – TG13.2 Accel. at Zone 1&2 Popouts	\$590.39	Proceed to CCO (COR)	TG13.2 RWP	9/12/2018	\$590.39	T-792	1162	Executed (CCO)
COR 313403 / CR T-765 / CCO 1155	313403	T - TG16.0 Elevator 700 Off-hours	\$8,815.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$8,815.00	T-765	1155	Executed (CCO)
COR 313579 / CR T-765 / CCO 1174	313579	T - TG16.0 ST901 Paint Premium	\$5,725.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$5,725.00	T-765	1174	Executed (CCO)
COR 313701 / CR T-765 / CCO 1155	313701	TG16.0 Premium 01460	\$681.00	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$681.00	T-765	1155	Executed (CCO)
COR 313159 / CR T-807 / CCO 1174	313159	T - TG16.0 Paint Repair	\$2,218.18	Proceed to CCO (COR)	TG16.0 INT	9/12/2018	\$2,218.18	T-807	1174	Executed (CCO)
COR 313063 / CR T-586 / CCO 0582	313063	TG13.2 GCW - Added SS Cabinets Per RFI T-5524	\$25,246.81	Proceed to CCO (COR)	TG13.2 RWP	9/17/2018	\$25,246.81	T-586	582	Executed (CCO)
COR 313267.1 / CR T-808 / CCO 0585	313267.1	TG07.3 Eliminated Steel Plates at Driver Unisex Restrooms	(\$894.80)	Proceed to CCO (COR)	TG07.3 MME	9/17/2018	(\$894.80)	T-808	585	Executed (CCO)
COR 313128.3 / CR T-804 / CCO 0582	313128.3	TG13.2 E303 and E306 Escalator Pit Modification Per RFI T-7513	\$2,251.16	Proceed to CCO (COR)	TG13.2 RWP	9/17/2018	\$2,251.16	T-804	582	Executed (CCO)
COR 312889 / CR T-804 / CCO 0582	312889	TG13.2 Added Emseal Per RFI T-7152	\$3,807.63	Proceed to CCO (COR)	TG13.2 RWP	9/17/2018	\$3,807.63	T-804	582	Executed (CCO)
COR 313096 / CR T-808 / CCO 0585	313096	TG07.3 Revised Security Screen Locks	\$5,200.15	Proceed to CCO (COR)	TG07.3 MME	9/17/2018	\$5,200.15	T-808	585	Executed (CCO)
COR 313363 / CR T-808 / CCO 0585	313363	TG07.6 Scane Transfer of Cround Level Site work from TG13.1 between 3/31/18 to	\$4,979.41	Proceed to CCO (COR)	TG07.3 MME	9/17/2018	\$4,979.41	T-808	585	Executed (CCO)
COR 212810 / CRT 657 / CCO 1167	212010	T - TG07.6 Scope Transfer of Ground Level Sitework from TG12.1 between 2/21/18 to	Ć72 149 20	Dracood to CCO (COD)	TC07 6 TOD	0/17/2019	ć72 140 20	T 657	1167	Evacuted (CCO)
COR 313810 / CR T-657 / CCO 1167	313810	3/5/18 T – TG07.3 Stair 202 and 203 Rail Support Extension	\$73,148.29	Proceed to CCO (COR) Proceed to CCO (COR)	TG07.6 TOP TG07.3 MME	9/17/2018	\$73,148.29	T-657	1167 585	Executed (CCO) Executed (CCO)
COR 313606 / CR T-808 / CCO 0585 COR 313575 / CR T-803 / CCO 1173	313606 313575	TG13.2 Aluminum Enclosures Bus Deck Coiling Door	\$1,068.65 \$23,694.18	Proceed to CCO (COR)	TG13.2 RWP	9/17/2018 9/17/2018	\$1,068.65 \$23,694.18	T-808 T-803	1173	Executed (CCO)
COR 310926 / CR T-241 / CCO 0579	313373	CR T-253 TG04.2 Lot M Trailer move	\$102,800.44	Proceed to CCO (COR)	TG13.2 KWF	9/19/2018	\$102,800.44	T-241	579	Executed (CCO)
COR 311744 / CR T-153.1 / CCO 0589	310320	TG8.11R / Drill Holes in W1 per RFI T-3025.2 (ISSUE2383)	\$15,303.83	Proceed to CCO (COR)	TG04.2	9/27/2018	\$15,303.83	T-153.1	589	Executed (CCO)
COR 310601 / CR T-832 / CCO 1183	310601	TG10.4 Light Column Wall Thickness	\$35,573.00	Proceed to CCO (COR)	TG10.4 ELV	10/22/2018	\$35,573.00	T-832	1183	Executed (CCO)
COR 312645 / CR T-819 / CCO 0590	312645	T – TG07.6 Blockout and Grouting SE202 Machine Beams at Roof Restaurant	\$10,983.40	Proceed to CCO (COR)	TG07.6 TOP	10/22/2018	\$10,983.40	T-819	590	Executed (CCO)
COR 311316.1 / CR T-833 / CCO 0595	311316.1	T – TG12.1 Additional AC at Fremont	\$19,239.43	Proceed to CCO (COR)	TG12.1 CVL	10/22/2018	\$19,239.43	T-833	595	Executed (CCO)
COR 311966 / CR T-468 / CCO 1177	311966	TG17.1 -BS4 Structure Frames Removal and Relocation Bus Deck Level	\$45,742.84	Proceed to CCO (COR)	TG17.1 SGN	10/22/2018	\$45,742.84	T-468	1177	Executed (CCO)
COR 311728 / CR T-831 / CCO 1182	311728	TG10.5 Temporary Removal of piping in B1225/B1228	\$930.46	Proceed to CCO (COR)	TG10.5 FSP	10/22/2018	\$930.46	T-831	1182	Executed (CCO)
COR 313702 / CR T-820 / CCO 1179	313702	TG13.1 Roof Level Elevator Trench Drains	\$25,148.60	Proceed to CCO (COR)	TG13.1 RPL	10/22/2018	\$25,148.60	T-820	1179	Executed (CCO)
COR 312865 / CR T-819 / CCO 0590	312865	T – TG07.6 Pourback Blockout at Room 03484 per RFI T-7364	\$4,339.76	Proceed to CCO (COR)	TG07.6 TOP	10/22/2018	\$4,339.76	T-819	590	Executed (CCO)
COR 313094 / CR T-819 / CCO 0590	313094	TG07.6 Infill Blockout at Electrical Room 03222 (RFI T-7483)	\$6,342.38	Proceed to CCO (COR)	TG07.6 TOP	10/22/2018	\$6,342.38	T-819	590	Executed (CCO)
COR 313624 / CR T-819 / CCO 0590	313624	TG07.6 Additional Drill and Bond	\$3,006.41	Proceed to CCO (COR)	TG07.6 TOP	10/22/2018	\$3,006.41	T-819	590	Executed (CCO)
COR 312372 / CR T-818, T-820 / CCO 117	76 312372	TG08.2R OT Costs to Accelerate W-1 Awning Installation	\$4,696.80	Proceed to CCO (COR)	TG08.2R EAW	10/22/2018	\$4,696.80	T-818,T-820	1176	Executed (CCO)
COR 311114 / CR T-240, T-820 / CCO 11	76 311114	W-1 Acceleration First 16 Bays in Sequence	\$19,877.24	Proceed to CCO (COR)	TG08.2R EAW	10/22/2018	\$19,877.24	T-240,T-820	1176	Executed (CCO)
COR 313880 / CR T-833 / CCO 0595	313880	T - TG12.1 Additional Geofoam at Breezeways Due to Elimination of Topping Slab	\$32,956.16	Proceed to CCO (COR)	TG12.1 CVL	10/22/2018	\$32,956.16	T-833	595	Executed (CCO)
COR 313279 / CR T-841 / CCO 1187	313279	TG07.3 Acceleration for Cane Rail	\$1,160.17	Proceed to CCO (COR)	TG07.3 MME	10/22/2018	\$1,160.17	T-841	1187	Executed (CCO)
COR 313801 / CR T-841 / CCO 1187	313801	TG07.3 Add'l Guardrail Under Mechanical	\$4,007.68	Proceed to CCO (COR)	TG07.3 MME	10/22/2018	\$4,007.68	T-841	1187	Executed (CCO)
COR 313869 / CR T-829 / CCO 1181	313869	TG14.1B Schindler OT-E407-E408 Calibration	\$1,561.00	Proceed to CCO (COR)	TG14.1b ESC	10/22/2018	\$1,561.00	T-829	1181	Executed (CCO)
COR 312865 / CR T-819 / CCO 0590	312865	TG 07.6 Infill MEP Blockout at Electrical Room 03484	\$4,339.76	Proceed to CCO (COR)	TG07.6 TOP	10/22/2018	\$4,339.76	T-819	590	Executed (CCO)
COR 312369 / CR T-822 / CCO 0591	312369	TG16.0A RFI T6333 construct WT-1 inside CMU shaft	\$6,781.30	Proceed to CCO (COR)	TG16.0 INT	10/31/2018	\$6,781.30	T-822	591	Executed (CCO)
COR 313227 / CR T-840 / CCO 0599	313227	Opening W-14 Ceiling for DAS	\$7,549.39	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$7,549.39	T-840	599	Executed (CCO)
COR 310725.3 / CR T-155.A, T-840 / CCO		TG8.6 W-14 Rework for ERRCS Wrap Installation per ASI-134	\$25,974.52	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$25,974.52	T-155.A,T-840	599	Executed (CCO)
COR 313134 / CR T-822 / CCO 0591	313134	TG16.0A RFI T-7512	\$5,969.88	Proceed to CCO (COR)	TG16.0 INT	10/31/2018	\$5,969.88	T-822	591	Executed (CCO)
COR 313197 / CR T-822 / CCO 0591	313197	TG16.0A RFI T-7471.2	\$4,152.42	Proceed to CCO (COR)	TG16.0A INT	10/31/2018	\$4,152.42	T-822	591	Executed (CCO)
COR 311280.1 / CR T-834 / CCO 0596	311280.1	T – TG16.3 TER RFI T-3398	\$9,102.83	Proceed to CCO (COR)	TG16.3 TER	10/31/2018	\$9,102.83	T-834	596	Executed (CCO)
COR 313618 / CR T-834 / CCO 0596	313618	T – TG16.3 Terrazzo Patch Back at E500 Per RFI T-7536	\$4,403.87	Proceed to CCO (COR)	TG16.3 TER	10/31/2018	\$4,403.87	T-834	596	Executed (CCO)

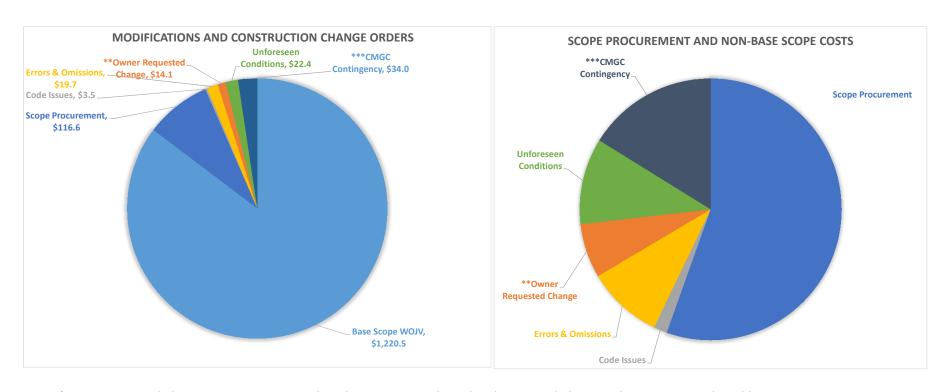
### CRC Agenda Item No. 8

COR	COR#	<u>Description</u>	<b>Current Value</b>	<u>Status</u>	Trade Group	CCO Executed F	inal Value	<u>CR #</u>	CCO#	CCO Status
COR 313307 / CR T-822 / CCO 0591	313307	T - TG16.0A RFI T-7623	\$11,333.25	Proceed to CCO (COR)	TG16.0A INT	10/31/2018	\$11,333.25	T-822	591	Executed (CCO)
COR 313347 / CR T-822 / CCO 0591	313347	T - TG16.0A 300 Pathway	\$12,505.91	Proceed to CCO (COR)	TG16.0A INT	10/31/2018	\$12,505.91	T-822	591	Executed (CCO)
COR 313669 / CR T-768 / CCO 0596	313669	T - TG16.3 RFI T-7790 Skybridge Expansion Joint	\$1,757.84	Proceed to CCO (COR)	TG16.3 TER	10/31/2018	\$1,757.84	T-768	596	Executed (CCO)
COR 313227.1 / CR T-840 / CCO 0599	313227.1	T- TG08.6R1 - Opening W-14 Ceiling for DAS Bus Deck	\$6,934.86	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$6,934.86	T-840	599	Executed (CCO)
COR 310725.3A / CR T-155.A, T-840 / CC	O (310725.3A	CR T-155.A TG08.4 - W-14 Rework for ERRCS	\$138,448.53	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$138,448.53	T-155.A,T-840	599	Executed (CCO)
COR 313518 / CR T-825 / CCO 0592	313518	T - TG13.1 RFI T-7395.1 Add	\$9,704.51	Proceed to CCO (COR)	TG13.1 RPL	10/31/2018	\$9,704.51	T-825	592	Executed (CCO)
COR 310725.3B / CR T-155.A, T-840 / CC	O(310725.3B	CR_T-155.ATG8.6R1_W-14_Rework_for_ERRCS	\$129,793.97	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$129,793.97	T-155.A,T-840	599	Executed (CCO)
COR 313291.1 / CR T-840 / CCO 0599	313291.1	T - TG8.6R1 Aluminum Speaker Supports at W-14	\$9,755.81	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$9,755.81	T-840	599	Executed (CCO)
COR 313305 / CR T-825 / CCO 0592	313305	TG13.1 RFI 7611.1 Add	\$534.25	Proceed to CCO (COR)	TG13.1 RPL	10/31/2018	\$534.25	T-825	592	Executed (CCO)
COR 312088 / CR T-289, T-836 / CCO 059	97 312088	TG10.5 RFI T-6224 Added Sprinkler Coverage at Radar Signs	\$4,796.48	Proceed to CCO (COR)	TG10.5 FSP	10/31/2018	\$4,796.48	T-289,T-836	597	Executed (CCO)
COR 311216 / CR T-836 / CCO 0597	311216	TG16.0 TG10.2, TG10.3, TG10.4, TG10.5 / RFI T-4646 MEP Penetrations in CMU.	\$26,150.70	Proceed to CCO (COR)	TG10.5 FSP	10/31/2018	\$26,150.70	T-836	597	Executed (CCO)
COR 311319 / CR T-836 / CCO 0597	311319	TG10.5 RFI T-5178 Sprinklers Required Under W-8 Canopies	\$29,110.11	Proceed to CCO (COR)	TG10.5 FSP	10/31/2018	\$29,110.11	T-836	597	Executed (CCO)
COR 314019 / CR T-834 / CCO 0596	314019	Temporary Power For Grand Hall LED Artwork	\$3,207.23	Proceed to CCO (COR)	TG16.3 TER	10/31/2018	\$3,207.23	T-834	596	Executed (CCO)
COR 313045.1 / CR T-836 / CCO 0597	313045.1	TG10.5 RFI T-6379 B1249 Tech Room Ceiling Changes	\$5,489.99	Proceed to CCO (COR)	TG10.5 FSP	10/31/2018	\$5,489.99	T-836	597	Executed (CCO)
COR 312085.2 / CR T-489, T-838 / CCO 1	18312085.2	TG08.4 Acceleration of Muni Plaza W-16A&B Install Mar 18	\$11,902.00	Proceed to CCO (COR)	TG08.4 MWP	10/31/2018	\$11,902.00	T-489,T-838	1186	Executed (CCO)
COR 313731.1 / CR T-834 / CCO 0596	313731.1	TG16.3 Patching of Terrazzo Per RFI T-7816	\$3,282.39	Proceed to CCO (COR)	TG16.3 TER	10/31/2018	\$3,282.39	T-834	596	Executed (CCO)
COR 313625 / CR T-840 / CCO 0599	313625	TG08.6R1-TG10.4 W-14 Removal GL13 RFI T-7267	\$18,782.04	Proceed to CCO (COR)	TG08.6R1 MCS	10/31/2018	\$18,782.04	T-840	599	Executed (CCO)
COR 314141 / CR T-836 / CCO 0597	314141	TG10.5 RFI T-7317 FDC Rotation at GL 27	\$2,154.68	Proceed to CCO (COR)	TG10.5 FSP	10/31/2018	\$2,154.68	T-836	597	Executed (CCO)
COR 313415 / CCO 1189	313415	T - TG05.10 Natoma off-site C&G ADA ramp demo	\$35,739.68	Proceed to CCO (COR)	TG05.10	11/9/2018			1189	Executed (CCO)
COR 312906.2 / CR T-505 / CCO 1189	312906.2	T – TG05.10 Natoma sidewalk demolition	\$166,660.09	Proceed to CCO (COR)	TG05.10	11/9/2018		T-505	1189	Executed (CCO)
COR 313783 / CCO 0606	313783	TG05.10 Specific task T&M change order	\$81,528.63	Proceed to CCO (COR)	TG05.10	11/9/2018			606	Executed (CCO)
COR 313875 / CR T-797 / CCO 0605	313875	Flaggers on Harrison and Natoma	\$308,635.88	Proceed to CCO (COR)	TG05.10	11/9/2018		T-797	605	Executed (CCO)
COR 314122 / CR T-787 / CCO 0605	314122	TG05.10 CR T-787 remove and replace grand hall floor prote	\$10,381.00	Proceed to CCO (COR)	TG05.10	11/9/2018		T-787	605	Executed (CCO)
COR 314066 / CCO 0605	314066	TG0-5.10 unload semi-truck	\$886.93	Proceed to CCO (COR)	TG05.10	11/9/2018			605	Executed (CCO)
COR 312730.10 / CCO 1190	312730.1	TG0-5.10 Projection through October 2018	\$939,813.28	Proceed to CCO (COR)	TG05.10	11/9/2018			1190	Executed (CCO)
COR 313057.1 / CR T-842 / CCO 0602	313057.1	TG10.5 RFI T-7439 T-7504 Rework Sprinklers	\$7,667.68	Proceed to CCO (COR)	TG10.5 FSP	11/9/2018		T-842	602	Executed (CCO)
COR 314144 / CR T-842 / CCO 0602	314144	Sprinkler Offsets at Grand Hall W-3 Bracing	\$30,420.48	Proceed to CCO (COR)	TG10.5 FSP	11/9/2018		T-842	602	Executed (CCO)
COR 314145 / CR T-842 / CCO 0602	314145	TG10.5 RFI T-5273 Relocated Preaction Cabinets B1640	\$6,148.56	Proceed to CCO (COR)	TG10.5 FSP	11/9/2018		T-842	602	Executed (CCO)
COR 314041 / CR T-842 / CCO 0602	314041	TG10.5 RFI T-6204 Sprinkler head revisions	\$46,176.64	Proceed to CCO (COR)	TG10.5 FSP	11/9/2018		T-842	602	Executed (CCO)
COR 312287 / CR T-842 / CCO 0602	312287	TG10.5 RFI T-5948 Remove Sprinklers from Elevator Control Rooms	\$5,677.86	Proceed to CCO (COR)	TG10.5 FSP	11/9/2018		T-842	602	Executed (CCO)
COR 314121 / CR T-794 / CCO 0606	314121	TG05.10 CR T-794 slurry along Natoma K-rails	\$7,108.58	Proceed to CCO (COR)	TG05.10	11/9/2018		T-794	606	Executed (CCO)
Total			\$2,605,023.83							



### Modifications and Construction Change Orders as of December 2018 (In Millions)

Α	В	С	D	E	F	G	Н	ı	
*Contract Sum to								Total of Non-Base	
date (in Millions)					**Owner	Unforeseen	***CMGC	Scope Costs	
(B+C+I)	Base Scope WOJV	Scope Procurement	Code Issues	Errors & Omissions	Requested Change	Conditions	Contingency	(D+E+F+G+H)	
\$1,430.8	\$1,220.5	\$116.6	\$3.5	\$19.7	\$14.1	\$22.4	\$34.0	\$93.7	
	85.30%	8.15%	0.24%	1.38%	0.99%	1.57%	2.38%	6.55%	



<sup>\*</sup> Contract Sum includes Preconstruction, Geotechnical Engineering, and Fees but does not include General Contractor Reimbursable Expenses

<sup>\*\*</sup> Includes Third Party Reimbursable CCOs and Owner Directed Schedule Mitigation

<sup>\*\*\*</sup> Includes Coordination Issues, Settlement Items, and Schedule Mitigation