



# 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  
 Sara DeBord, Chief Financial Officer, TJPA

**Date:** For the Committee Meeting of February 16, 2018

**Re:** Agenda Items 7-9

**Agenda Item 7 – Funding Sources for Tenant Improvements**

At the November 2017 Cost Review Committee (CRC) meeting, the CRC discussed the TJPA Board’s request to utilize City Financing to fund base building improvements necessary for retail buildout and tenant improvement allowances. The estimate of these costs is approximately \$36 million. While no formal action was taken, the CRC provided an indication that it would be comfortable with use of up to \$25 million in City Financing for these costs, and would further consider whether to fully fund the costs in the future.

In January 2018, TJPA staff presented FY2018-19 Preliminary Operating Projections to the TJPA Board to comply with terms of transit operator lease agreements. While the presented projections are still very preliminary, staff has been able to work with the asset manager to reduce planned expenses. However, rental revenues have been pushed out in time and thus reduced as well. In November, it was possible that no contribution towards operations would be required from transit operators if City Financing was used for base/tenant improvements. Based on the updated projections, however, operator contributions may be required.

The below table shows an estimate of operating expenses and revenues for FY2018-19 as of November 2017 and January 2018.

<b>OPERATING EXPENSES</b>	<b>November 2017</b>	<b>January 2018</b>	<b>Difference</b>
Transit Center Base Building/Tenant Improvements	\$ 16,310,000	\$ 21,799,000	\$ 5,489,000
Transit Center Maintenance	3,846,282	3,370,500	(475,782)
Transit Center Janitorial	4,105,851	2,586,900	(1,518,951)
Transit Center Utilities	2,287,417	2,287,400	(17)
Park Maintenance & Programming	795,500	687,500	108,000
Park Management Fee & Administration	798,000	798,000	-
Leasing Commissions	2,474,115	2,384,800	(89,315)
Digital Content Management & Wayfinding Systems	1,135,326	908,200	(227,126)
Asset Management Fee & Administration	3,259,811	2,958,500	(301,311)
Security	6,500,000	7,609,300	1,109,300
Insurance	1,480,000	1,480,000	-
TJPA Staff & Administration	3,050,000	3,000,000	(50,000)
<b>Subtotal, Transit Center</b>	<b>\$ 46,042,302</b>	<b>\$ 49,870,100</b>	<b>\$ 3,827,798</b>
<b>RESERVES</b>			
Emergency Reserve	\$ 500,000	\$ 500,000	\$ -
Operating Contingency	4,002,300	4,000,000	-
O&M Reserve Contributions	698,352	-	(698,352)
<b>Subtotal, Reserves</b>	<b>\$ 5,200,652</b>	<b>\$ 4,500,000</b>	<b>\$ (698,352)</b>
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 51,242,954</b>	<b>\$ 54,370,100</b>	<b>\$ 3,127,146</b>

<b>OPERATING REVENUE</b>			
City Financing	\$ 16,310,000	\$ 21,799,000	\$ 5,489,000
Regional Measure 2	8,026,000	8,026,000	-
Community Benefit District Park Payments	1,274,800	1,188,400	(86,400)
Transit Center Facility Retail Revenue	4,560,834	1,315,500	(3,245,334)
Transit Center Sponsorship / Events	1,273,868	1,273,900	32
Transit Center Advertising	1,026,004	1,026,000	(4)
Neutral Host Distributed Antennae System (DAS)	875,000	875,000	-
Greyhound Rent	225,000	225,000	-
Temporary Terminal Rent	350,400	350,400	-
<b>Subtotal, Operating Revenue</b>	<b>\$ 33,921,906</b>	<b>\$ 36,077,200</b>	<b>\$ 2,155,294</b>
<b>OTHER REGIONAL CONTRIBUTIONS</b>			
AC Transit (74%)	\$ -	\$ 594,769	\$ 594,769
SFMTA (26%)	-	208,973	208,973
<b>Subtotal, Other Regional Contributions</b>	<b>\$ -</b>	<b>\$ 803,742</b>	<b>\$ 803,742</b>
<b>OTHER SOURCES</b>			
Use of Fund Balance	\$ 500,000	\$ 500,000	\$ -
Use of O&M Reserve	16,821,049	16,989,159	168,110
<b>Subtotal, Other Sources</b>	<b>\$ 17,321,049</b>	<b>\$ 17,489,159</b>	<b>\$ 168,110</b>
<b>TOTAL OPERATING SOURCES</b>	<b>\$ 51,242,954</b>	<b>\$ 54,370,100</b>	<b>\$ 3,127,146</b>

The operating expenses, without base/tenant improvements, total just over \$28 million, broken down as follows:

	<b>Amount</b>
O&M (Maintenance, Janitorial, Utilities)	\$9,840,500
Asset Manager/Park Administration	3,756,500
Leasing Commissions	2,384,800
Security	7,609,300
TJPA Admin & Insurance	4,480,000
<b>Total Operating Expenses</b>	<b>\$28,071,100</b>

The current Operating & Maintenance (O&M) projection compares very favorably with proposals received during the Asset Manager procurement process:

	<b>Current Projection</b>	<b>Proposals</b>		
		<b>Lincoln Property Co</b>	<b>Cushman &amp; Wakefield</b>	<b>YoungWoo &amp; Assoc</b>
<b>O&amp;M</b>	\$9,840,500	\$13,200,000	\$9,780,000	\$11,140,000

Further refinement of budget numbers is driven by two factors: complete turnover of operations and maintenance equipment information from the CM/GC, and actual cost projections as provided by the service contractors when hired. Potential additional funding may also be available if RM-3 is passed by the voters later this year; it includes \$5 million annually for transit center operations.

The TJPA Board and staff continue to request that City Financing be used to fund all of the base/tenant improvements. AC Transit and SFMTA have also submitted letters of support for this request. TJPA staff understands the CRC may wish to defer making this decision until budget numbers are more finalized.

### **Agenda Item 8 – Expenditures and Commitments of Proceeds of the City Financing that Require CRC Approval**

#### **Commitments**

The CRC has previously given authorization for 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. As discussed above, in addition, the CRC gave an informal indication that it would take a future approval action for up to \$25 million of City Financing proceeds to be spent on base building improvements and tenant improvement allowances necessary for retail at the transit center.

The commitments through February 7 are shown below; they represent a small \$3.3 million increase since November.

<b>Scope/Trade Package/Contract</b>	<b>Type<sup>1</sup></b>	<b>Committed</b>
Transit Center Design Team Construction Admin	NTP	\$1,850,000
Various Logistics Packages	NTP / CCOs	16,354,763
TG07.2 Superstructure Concrete	CCO	961,995
TG07.3 Miscellaneous Metals	CCOs	133,155
TG07.6 Concrete Topping Slabs/Rails/Joints	NTP	9,656,637
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	6,755,479
TG13.1 Roof Park Landscaping & Irrigation	NTP/CCO	11,560,188
TG13.2 Roofing/Waterproofing	NTP	3,097,935
TG16.0 - Interiors/Finishes	NTP	11,324,678
TG16.8 Fireproofing/Intumescent Spray	NTP	1,848,936
TG18.1 Bus Ramps	NTP	5,220,650
Enhanced Commissioning	NTP	50,000
Physical Security Information Management System	NTP	2,339,681
SFPUC Permanent Power	Power Agreement	1,079,859
Seyfarth Shaw / Jones Day; Constr / Litigation Counsel	RFS	3,399,972
Public Art Program	Artist Contracts	855,500
Bus Storage Construction	NTP	21,857,040
Bus Storage Constr Admin & Constr Management	NTP	528,993
Other Bus Storage costs, incl. permits	Other	448,301
Base Bldg Improvements: Amtrak/Greyhound space design	Other	75,868
<b>Total</b>		<b>\$144,370,745</b>

Draw Requests

Based upon the above commitments, nine draws totaling \$103 million have been approved and processed as of November 20:

<b>Scope/Contract</b>	<b>Amount</b>
Transit Center Design Team Construction Admin	\$686,631
Transit Center Construction (net of retention)	88,345,937
Bus Storage Construction (net of retention)	7,155,239
Legal Services	2,529,577
PUC Permanent Power	1,079,859
Art Program	855,500
Bus Storage Constr Admin & Constr Management	120,362
Bus Storage Lease & Permits	222,204
<b>Total</b>	<b>\$100,995,308</b>

The City has also paid costs of issuance from the proceeds of \$1,021,217. With interest earnings, there is a current project fund balance of \$871,686 available. Draws on the City Financing are not currently being

<sup>1</sup> NTP – Notice to Proceed. CCO – Contract Change Order. RFS – Request for Services

requested, as TJPA is utilizing bond proceeds from the Community Facilities District prior to reverting back to use of City Financing. Thus an updated cash flow projection will be provided at the May CRC meeting.

**Agenda Item 9 – Opportunity to Comment on Contracts, Change Orders and Contract Amendments that Require CRC Review**

**Professional Services Contract Amendments above the \$250,000 Threshold and/or to be funded with City Financing**

Jones Day

As previously reported, the TJPA Board of Directors authorized the award of a contract in December 2016 to Jones Day to provide services to TJPA related to the 301 Mission litigation. The term of the contract is five years, with the option to extend for up to three years. The initial compensation was set at \$500,000, with the understanding that the contract would be amended periodically to increase the compensation as appropriate. In May 2017, the maximum compensation was increased to \$2 million, and in September 2017 to \$3.5 million. Another amendment, to \$5.7 million, is on the February 2018 TJPA Board Agenda.

We continue to anticipate that the maximum compensation may be increased in the future as the need arises; more will be known regarding potential duration in Spring 2018. Hourly rates are blended, which saves money on higher-level attorneys, and it is anticipated that a large portion of the costs of the 301 Mission litigation will ultimately be reimbursed by insurance companies for the TJPA's contractors and/or by the contractors themselves with a duty to indemnify TJPA. As to budget, Program Reserve is being used to fund these expenditures, which are being tracked separately from other legal costs. The funding source is City Financing proceeds, and reimbursements from insurance carriers.

Information Security/Cybersecurity

TJPA is procuring consultant services for managed information security service providers with expertise in assessing information technology and operation technology system vulnerabilities and risks, and creating and implementing enterprise-wide strategic information security programs for large mixed-use public facilities. A near-term focus of the consultant will be to develop and implement information security policies for transit center operations. An RFP was issued in November 2017. Three of five proposers have been shortlisted for interviews, and TJPA anticipates awarding a contract in March or April 2018. This will be an operational contract, anticipated to cost between \$300,000-700,000 per year depending upon the ultimate scope included in the final negotiated contract.

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

The following are new change order requests (CORs) and construction change orders (CCOs) since the last CRC meeting:

**Transit Center**

TG04.2 – Utility Relocation-Mission Street Overhead Catenary System (OCS)

*COR CR T-383.A– Traction Power - \$5,500,000*

This change order had been previously submitted to the CRC for a Not-to-Exceed (NTE) amount of \$2,800,000, but due to further scope definition, the value is now \$5,500,000. This scope has

increased due to additional costs to drill and fill asphalt on impacted street from Main Street to Fifth Street along Mission Street. Additionally, the OCS on the affected streets will have to be de-energized. It is a San Francisco Municipal Transportation Agency (SFMTA) requirement to repave streets that are disturbed. This change has been categorized as Scope Procurement. This request to the committee is for an NTE amount of \$5,500,000.

#### TG05.10 – Temporary Facilities

*COR – Additional Temporary Facilities for Phased Completion (Post-December 22, 2017) - \$4,500,000*

This change order had been previously submitted to the CRC for an NTE amount of \$2,000,000, but has increased to \$4,500,000. The original amount was a placeholder as there was a potential exposure of 50% of the remaining amount of temporary facility costs. The original change order was for additional temporary facilities, quality assurance and quality control surveying, traffic control, jobsite gate monitoring and maintenance. The request has been increased as the same services are required for approximately five more months, but there is a dispute regarding responsibility for these costs due to cause of the delay days. TJPA and the Construction Manager/General Contractor (CM/GC) are requesting use of CM/GC Contingency to ensure timely payment to the subcontractors while this dispute is resolved. This change has been categorized as Scope Procurement. This request to the committee is for an NTE amount of \$4,500,000.

#### *COR 312195.1 – Grand Hall Temporary Floor Protection - \$280,000*

This change order is for labor, material, and equipment required to install heavier floor protection at the Grand Hall. The increased floor protection is to allow overhead work to be installed in conjunction with the Terrazzo flooring. A credit from package TG16.3 trade subcontractor will be provided for temporary protection, but will be returned to TJPA Contingency as this is contract scope. This change has been categorized as Schedule Mitigation. This request to the committee is for an NTE amount of \$280,000.

#### TG07.2 – Structural Concrete

*COR 311070.1 – Dry Finish Acceleration Part 2 - \$450,000*

This change order is for schedule recovery in the finishing process for the concrete slabs, curbs and walls. These costs have not been submitted by the subcontractor to-date but \$450,000 is the current estimate from the CM/GC. This change has been categorized as Schedule Mitigation. This request to the committee is for an NTE amount of \$450,000.

#### TG07.6 – Topping Slabs & Bus Crash Rail

*COR 312247 – Scope Transfer from TG12.1 to TG07.6 Reconciliation (Ref. CCOs 503, 1112) - \$1,000,000*

This change order is for a scope transfer of concrete flatwork in Zones 1 - 3 from TG12.1 to TG07.6. The scope being transferred includes concrete bus pad, curbs, gutters, vehicular paving, and pedestrian paving. The CM/GC has determined that the TG12.1 trade subcontract, Gordon Ball, is unable to timely deliver remaining contract scope due to lack of manpower and the compressed schedule. The CM/GC will receive a credit from the TG12.1 trade subcontractor to fund remaining work in these zones; however, they have requested that any and all additional costs beyond this credit to be funded by CM/GC Contingency. This change has been categorized as Schedule Mitigation. This request to the committee is for an NTE amount of \$1,000,000.

#### TG8.4 – Metal Panel Systems

*COR 310812– W-1 and W16C Installation Buy-out Design Impacts - \$450,000*

This change order includes all labor, material and equipment associated with fabrication of additional aluminum panels at elevator and stair enclosures, added sealant, increased installation

labor, and added equipment to accommodate installation of the exterior awning space frame system. Due to design criteria changes made by the design team after contract award, various components on both of these systems were altered. As a result of these changes, additional costs were incurred for the extra components, labor, and equipment required for installation of modified work. If merit is found in the change order request, the costs will be funded by CM/GC Contingency. This change has been categorized as Scope Procurement. This request to the committee is for an NTE amount of \$450,000.

#### TG8.6R – Metal Ceilings

##### *COR 312232 Series– Storage of W-14 Ceiling Panels - \$800,000*

This COR had been previously submitted to the CRC for an NTE amount of \$530,000, but has increased to \$800,000. This change order is for costs associated with storing panels offsite in bonded and insured warehouses prior to delivering onsite. The increased costs are for additional time for panel storage at the offsite warehouse due to further project delays. If merit is found in the change order request, the costs will be funded by CM/GC Contingency. This change has been categorized as CM/GC Contingency for schedule mitigation. This request to the committee is for an NTE amount of \$800,000.

#### TG10.2 – Plumbing

##### *COR 311901 – RFI T-6025 – Revised Supports to Account for Phase 2 Mechanical Duct - \$700,000*

This change order includes costs for all labor, equipment, and material associated with installing revised supports in the lower concourse corridors to account for Phase 2 mechanical ducts as outlined in RFI T-6025. The TG10.2 trade subcontractor will be completing work for this change order. Contract plumbing drawings show multiple lines running through the north and south corridor on the lower concourse level. Mechanical drawings, however, show a large future duct running through the same space. To avoid any clashes with future work, plumbing lines were forced to run along the walls of the corridor. Additional supports were installed from the floor in areas where no wall exist. This change has been categorized as CM/GC Contingency for coordination issues. This request to the committee is for an NTE amount of \$700,000.

#### TG10.4 – Electrical

##### *COR 310485 – ASI 131 “No Fly Zone”- \$7,400,000*

This change order includes costs for all labor, equipment, and materials to complete work associated with electrical changes in ASI 131, issued to accommodate future coordination of the Mechanical, Electrical, Plumbing service routings with respect to future Phase 2 program elements in March 2015. It created a corridor space on the lower concourse level where no utilities are to be located. The cost of this change order request includes, but is not limited to, drilling inserts for new hanger locations, additional building information modeling coordination time, acceleration costs, and additional labor and material required to reconfigure conduit lines. This COR has not been fully vetted and needs significant review still to determine merit, then address quantum, if required, but at this time the request to the committee is for an NTE amount of \$7,400,000. This change has been categorized as an Owner Requested Change.

##### *COR 311826 - Fire Management System Changes- \$650,000*

This COR had previously been submitted to the CRC for an NTE amount of \$500,000, but has increased to \$650,000 after additional scope of work was added. In addition to revising programming to reflect the zoning changes, changes made to the visual notification system, changes made to generator monitoring, revisions to the quantity and locations of the strobes, synchronization, smoke and heat detector clarifications, paging clarifications, and other device changes, additional labor, equipment, and material is required to include the paging system as

approved by the San Francisco Fire Department. This change has been categorized as Code Issues. This request to the committee is for an NTE amount of \$650,000.

*COR 312719 – RFI T-5647 - IDF Room Build-out - \$350,000*

This change order includes all labor, equipment, and material associated with installing equipment and devices for Audio Visual (AV), Information Technology (IT), and Distributed Antenna Systems (DAS) in Rooms B1462, B1620 and B1662 as outlined in RFI T-5647 series. Rooms, B1462, B1620 and B1662 were indicated to be future Intermediate Distribution Frame (IDF) rooms for Phase 2, but the telecommunication drawings do not show any equipment in the IDF rooms. RFI T-5647 response confirmed equipment was required to be installed in the listed rooms. This change has been categorized as Errors and Omissions. This request to the committee is for an NTE amount of \$350,000.

*COR 311155-1 – ASI 143 – Incorporation of Phase 1.5 Converged Network Package- \$300,000*

This change order includes costs for all labor, equipment, and materials to complete work associated with electrical changes in ASI 143, issued in May 2016 to accommodate for the projected Phase 1.5 Converged IP Network needs. This change incorporates items such as the Grand Hall Scheduling Board and its associated conduits, cabling, and IDF Room; expansion of the Wireless Access Protocol (WAP) system; expansion and relocation of the DAS antennas; and equipment changes to optimize current technologies. This change has been categorized as Scope Procurement. This request to the committee is for an NTE amount of \$300,000.

*COR 312021 – RFI T-5960 – Added Door Power - \$760,000*

This change order includes costs for all labor, equipment, and material to bring power to doors that require a power supply as outlined in RFI T-5960. The door schedule showed eighty-seven doors having a power source, but electrical drawings and panel schedule do not include any circuitry for this work. This change has been categorized as Errors & Omissions. This request to the committee is for a net NTE amount of \$760,000.

*COR 311616-2 –Single Line Acceleration - \$280,000*

This change order includes costs for the TG10.4 trade subcontractor to accelerate contract work by working overtime in the main electrical rooms in preparation for bringing permanent power to the building. These costs will come from CM/GC Contingency per contract specifications. This change has been categorized as CM/GC Contingency for schedule mitigation. This request to the committee is for a net NTE amount of \$280,000.

*COR 311967 – Electrical Zone 4 Acceleration - \$380,000*

This change order includes costs for TG10.4 trade contractor to accelerate contract work by working overtime in Zone 4 in preparation for turning over the MUNI bus plaza by December 26, 2017. These costs will come from CM/GC Contingency per contract specifications. This change has been categorized as CM/GC Contingency for schedule mitigation. This request to the committee is for a net NTE amount of \$380,000.

*COR – Supplemental Manpower (Rosendin) - \$600,000*

This change order captures the cost difference for moving scope from the TG10.4 trade subcontractor, Fisk Electric Co., to Rosendin Electric. Since Fisk failed to perform work within the timeframe in the project schedule, segments of its scope of work were given to Rosendin Electric to complete. This work includes, but is not limited to, installing conduit and pulling wire for the main feeders, installing conduit and pulling wire for Variable Frequency Drives (VFDs), and managing the Rail Services Corporation (RSC) contract. Rail Services Corporation contract includes, but is not limited to, Telecommunications work and Fire Management Systems scope. These costs will

come from CM/GC Contingency per contract specifications. This change has been categorized as CM/GC Contingency for schedule mitigation. This request to the committee is for a net NTE amount of \$600,000.

*COR 311736 – SFPUC Vault Acceleration - \$310,000*

This change order includes costs for the TG10.4 trade subcontractor to accelerate contract work by working overtime in SFPUC transformer vaults in preparation for turning over the rooms to SFPUC. These costs will come from CM/GC Contingency per contract specifications. This change has been categorized as CM/GC Contingency for schedule mitigation. This request to the committee is for a net NTE amount of \$310,000.

*COR 312695 – E2 Pylon Louvers and Frosted Lens - \$580,000*

This change order includes all labor, equipment, and material associated with adding powder-coated louvers and frosted lens to the E2 pylons on the rooftop park. As a cost-saving measure, the original E2 pylon was value-engineered, and a 10” light with various aesthetic features was exchanged for a simpler 8” version. Subsequently, through the submittal and mockup processes, the designer has determined that the addition of louvers and frosted lens would positively add to the aesthetics of the new light. Even with the revision, there is still an overall cost savings to the project for the E2 pylons—original costs with 10” light were estimated at more than \$4,000,000, whereas the total cost of the 8” light as revised will be approximately \$2,600,000. This change has been categorized as Scope Procurement. This request to the committee is for a net NTE amount of \$580,000.

*COR 311397– A1 Light Fixtures - \$2,100,000*

This change order is for all labor, equipment, and materials associated with installing A1 fixtures. This includes, but is not limited to, power distribution, A1 light fixtures, and fixture support. The merit of this change is still in discussion. If merit is found, the costs will be funded by CM/GC Contingency as it represents scope gap that the CM/GC should have identified during pre-construction services. This change has been categorized as Scope Procurement. This request to the committee is for a net NTE amount of \$2,100,000.

TG12.1 – Civil/Sitework

*COR – Traffic Signal Revisions and Streetlight Revisions - \$1,500,000*

This change order includes all labor, equipment, and material associated with changes made by SFMTA as outlined in RFI T-7116, and T-6149. Changes include, but are not limited to, installation of conduit and wire for the signal interconnect system; installation of fiber optics for the signal interconnect system; modifications to signal poles, foundations, pull boxes, and mounting hardware; and providing conduit and wire to future street light locations. This scope of work was included in the original project budget but was not included in base contract scope because SFMTA drawings and details were not available or approved. This change has been categorized as Scope Procurement. This request to the committee is for an NTE amount of \$1,500,000.

TG14.1B – Escalators

*COR 311970 - Addition of LED Skirt Lighting, Other Emergency Backup Elements to All Escalators - \$450,000*

This COR had been previously submitted to the CRC with an NTE amount of \$280,000, but has increased to \$450,000 after further clarification of the scope of work by the design team. The initial scope of work that was included within the COR was the addition of LED skirt lighting, a 90-minute breaker, step down transformer, candela information, additional wires, new conduits and circuits which were all necessary in providing emergency egress and backup power elements for the building. Since the initial proposed solution, the design team has provided additional information



regarding additional National Fire Protection Association requirements, additional lighting requirements in the handrails, light fixture product data, and light count. This change has been categorized as Errors and Omissions. This request to the committee is for an NTE amount of \$450,000.

TG16.0– Interior/ Finishes

*COR 312021 – CR T-319 ASI 148 Incorporation of RFI Responses - \$450,000*

This change order includes costs for all labor, equipment, and materials to complete work associated with electrical changes in ASI 148, issued in December 2016 to incorporate RFI responses in the contract drawings. This change has been categorized as Errors and Omissions. This request to the committee is for an NTE amount of \$450,000.

*COR –General Scope Closeout Items - \$1,000,000*

This change order is for a compilation of various revisions in field work necessary to complete the project, and any supplemental work and/or acceleration to recover schedule necessary to close out the TG16.0 Interiors package. These costs are estimates at this time, and this change has been categorized as Errors and Omissions. The request to the committee is for an NTE amount of \$1,000,000.

**Bus Storage Facility**

*CCO #002, Class I & Class II Off-haul/Disposal - Additional Quantity*

This change order is for additional costs associated with quantity increases for Class I and Class II off-haul and disposal. The actual quantity exceeded 100% of the base bid quantity per contract specifications. The actual quantity for Class 1 Off-haul/Disposal is 10,324.14 tons; original bid quantity was 3,200 tons. The additional 7,124.14 shall be paid at the unit price (\$100/ton). The actual quantity for Class 2 Off-haul/Disposal is 8,064.83 tons; original bid quantity was 3,000 tons. The remaining 5064.83 shall be paid at the unit price (\$35/ton).

Description	Increased Qty	Unit Price/Ton	CCO Amount
Class I Off-haul/Disposal	7124.14	\$100	\$ 712,414.00
Class II Off-haul/Disposal	5064.83	\$35	\$ 177,269.05
			\$ 889,683.05

The NTE amount requested for this new CCO is \$889,684. This change has been categorized as an Unforeseen Condition.

*CCO #020 – Bus Ramp Supplemental Striping*

At the request of AC Transit, additional modifications to striping are to be made along the Lower Deck Mainline and First/Essex on-ramp lane lines. These additional modifications were the outcome of the bus testing performed in April 2017. The NTE amount requested for this new CCO is \$30,000, funded with City Financing. This change has been categorized as Owner Requested.

*CCO #021 – Additional Cost Due to Changes of Soundwall Height*

Per various RFI responses, the contractor has requested additional compensation associated with changing the heights of the soundwall due to existing conditions. As the dimensions exceeded a maximum 4’ per original contract plans, the contractor was required to fabricate additional form panels and took additional time to construct the soundwall’s barriers. In addition, additional concrete and rebar was required to accommodate the changed heights. The NTE amount requested for this new CCO is \$41,110. This change has been categorized as a Design Change.

*CCO #022 – Mechanically Stabilized Earth (MSE) Wall Drainage Changes*

The following changes were made to MSE Wall Drainage Systems: 1) installation of additional drain pipe from the abutment structures to existing drainage boxes, and 2) installation of drainage at locations where the MSE has embankment only on one side and not where there are parallel MSE walls. The charges were necessary due to conflicts in the contract drawings and existing conditions. The NTE amount requested for this new CCO is \$7,742. This change has been categorized as Unforeseen Conditions.

*CCO #023 – Spare 2-inch Conduit for Future Electrical Vehicle Charging Station*

As requested by AC Transit, an additional 2" spare conduit was added from the switch gear to inside the Bus Storage Facility for future electrical vehicle charging station. The NTE amount requested for this new CCO is \$917. This change has been categorized as Owner Requested.

*CCO #025 – Addition of a Lighting Inverter*

Based on comments from the fire marshal, a lighting inverter was added. The NTE amount requested for this new CCO is \$50,000. This change has been categorized as Code Compliance.

*CCO #026 – Addition of two additional card readers*

Two additional card readers were added based on submittal comments from the State Fire Marshal. The NTE amount requested for this new CCO is \$10,434. This change has been categorized as Code Compliance.

*CCO #027 – Three additional 20 MPH signs to the bus link ramp.*

Per the AC Transit's request, three additional 20 MPH signs were added to the bus link ramp. The NTE amount requested for this new CCO is \$1,123. This change has been categorized as Owner Requested.

*COR – Misc. Caltrans Changes, Street Light/Pole Changes, Rolling Gate, ASI 023/024*

This change order covers several items to close out the Bus Ramp project and provide access to the Bus Storage Facility. The scope includes miscellaneous Caltrans' requests as a result of a safety review, such as additional delineators, safety and security fencing, concrete wheel stops, concrete steps at substation, and modifications to the metal beam guardrail near the substation. It also includes furnishing and installing a steel rolling security gate at the Harrison Street slip ramp, added streetlights and poles on Clementina, Tehama, and Howard Streets, and anti-glare track-mounted mini-channelizer array on top of the barrier at bus ramp viaduct frame 2. This change has been categorized as Scope Procurement, and the request to the committee is for an NTE amount of \$150,000.

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

## Agenda Item #9 - Construction Amendments and Changes Log (Transit Center)

2/16/2018

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
<b>Owner Requested</b>										
10.4	COR 310485	\$7,400,000					Owner Requested	TJPA		ASI 131 "No Fly Zone"
7.2	COR 310937	\$800,000	8/31/2017	8/31/2017	\$800,000		Owner Requested	TJPA	TIFIA	Pour backs for curbs, other curb issues related to W2 system, General Closeout Items
<b>Errors &amp; Omissions</b>										
10.4	COR 312719	\$350,000					Errors & Omissions	TJPA		IDF Room Build-out
10.4	COR 312021	\$760,000					Errors & Omissions	TJPA		RFI T-5960 Added Door Power
16.0	312021	\$450,000					Errors & Omissions	TJPA		CR T-319 ASI 148 Incorporation of RFI Responses
16.0	COR	\$1,000,000					Errors & Omissions	TJPA		Skanska General Scope Closeout Items
7.2	COR	\$3,000,000	11/10/2017	11/17/2017	\$3,000,000		Errors & Omissions	TJPA	CFD	General Closeout Items
7.2	COR	\$310,000	8/31/2017	8/31/2017	\$310,000		Errors & Omissions	TJPA	CFD	Escalator Issues - Added Mid-Span Support.
10.2	COR	\$1,010,000	11/10/2017	11/17/2017	\$1,010,000		Errors & Omissions	TJPA	CFD	Gray Water System Clarification RFIs
10.2	COR	\$450,000	11/10/2017	11/17/2017	\$450,000		Errors & Omissions	TJPA	CFD	RFI T-6805 Wrapping Fuel Oil Piping in Lieu of 2 Hour Enclosure
10.4	COR 311110	\$325,000	8/31/2017	8/31/2017	\$350,000		Errors & Omissions	TJPA	CFD	TG10.4 ASI 141 Electrical Changes
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 311561	\$350,000	8/31/2017	8/31/2017	\$350,000		Errors & Omissions	TJPA	CFD	Shoe Design Changes at Bus Fountain
13.1	COR 311562	\$100,000	8/31/2017	8/31/2017	\$100,000		Errors & Omissions	TJPA	City Financing	Change to Glass Type for Bus Glass Wall
18.1	COR 310480	\$700,000	11/10/2017	11/17/2017	\$700,000		Errors & Omissions	TJPA	TIFIA	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
<b>Schedule Mitigation</b>										
5.10	COR 312195.1	\$280,000					Schedule Mitigation	CMGC		Grand Hall Temporary Floor Protection
7.2	COR 311070.1	\$450,000					Schedule Mitigation	CMGC		Dry Finish Acceleration Part 2
7.6	COR	\$1,000,000					Schedule Mitigation	CMGC		Trade Package 12.1 to 07.6 Scope Transfer Reconciliation (Ref CCO 503, 1112, and Zones 1-3)
8.6R	COR 312232	**\$800,000	11/10/2017	11/17/2017	\$530,000		Schedule Mitigation	CMGC	CFD	Storage of W-14 Ceiling Panels
10.4	COR 311616.2	\$280,000					Schedule Mitigation	CMGC		Single Line - Acceleration
10.4	COR 311967	\$380,000					Schedule Mitigation	CMGC		Electrical Zone 4 Acceleration
10.4	COR	\$600,000					Schedule Mitigation	CMGC		Supplemental Man-power - Rosendin
10.4	COR 311736	\$310,000					Schedule Mitigation	CMGC		SFPUC Vault Acceleration
16.0	COR 311825	\$600,000	11/10/2017	11/17/2017	\$600,000		Schedule Mitigation	TJPA	CFD	Skanska Inefficiency Costs
<b>Coordination</b>										
10.2	COR 311901	\$700,000					Coordination	CMGC		RFI T-6025 - Revised Supports to Account for Phase 2 Mechanical Duct
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
<b>Code Compliance</b>										
10.4	COR 311826	**\$650,000	8/31/2017	8/31/2017	\$500,000		Code Compliance	TJPA	CFD	Fire Management System Changes
<b>Settlement</b>										
<b>Scope Procurement</b>										
4.2	CR T-383.A	**\$5,500,000	2/6/2017	2/17/2017	\$2,800,000		Scope Procurement	TJPA	CFD	Traction Power
5.XX	COR	**\$4,500,000	11/10/2017	11/17/2017	\$2,000,000		Scope Procurement	CMGC	CFD	Additional Temporary Facilities for Phased Completion (Post December 22, 2017)
8.4	COR 310812	\$450,000					Scope Procurement	CMGC		W-1 and W16C Installation Buy-out Design Impacts
10.4	COR 311155-1	\$300,000					Scope Procurement	TJPA		ASI 143 - Incorporation of Phase 1.5 Converge Network Package
10.4	COR 312695	\$580,000					Scope Procurement	TJPA		E2 Pylon Louvers and Frosted Lens
10.4	COR 311397	\$2,100,000					Scope Procurement	CMGC		A1 Light Fixtures
12.1	COR	\$1,500,000					Scope Procurement	TJPA		Traffic Signal Revisions and Streetlight Revisions (Ref CR T-502, T-571, and T-543)
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
	COR	\$43,600	11/10/2017	11/17/2017	\$43,600		Scope Procurement	TJPA		Tim Hawkinson Concrete Removal Contract
4.2	COR	\$550,000	11/10/2017	11/17/2017	\$550,000		Scope Procurement	TJPA	CFD	OCS Fiberglass Support System Installation
7.2	COR 310599	\$650,000	11/10/2017	11/17/2017	\$650,000		Scope Procurement	CMGC	CFD	Deck Steel Plates at Tall Curbs
7.2	COR 311646	\$370,000	11/10/2017	11/17/2017	\$370,000		Scope Procurement	CMGC	CFD	Roof Built Up Slab
10.4	CR T-517	\$2,500,000	11/10/2017	11/17/2017	\$3,000,000		Scope Procurement	TJPA	CFD	TG10.4 Revised ERRCS Scope From ASI 134
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.
13.1	COR 311740	\$300,000	8/31/2017	8/31/2017	\$300,000		Scope Procurement	TJPA	City Financing	Contract Grow Monthly Maintenance and Storage

# Agenda Item #9 - Construction Amendments and Changes Log (Transit Center)

2/16/2018

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
Executed										
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
7.2	CCO 0312	\$750,000	11/7/2016	11/18/2016	\$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 GL 10-20
7.2	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.
7.6	COR 311367	\$260,000	11/7/2016	11/18/2016	\$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" steel plate
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
10.3	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	CCO 0366	\$420,000	2/6/2017	2/17/2017	\$420,000	\$7,185	Owner Requested	TJPA	City Financing	Landscape Changes per ASI 138
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	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	5/8/2017	5/19/2017	\$912,000	\$859,088	Errors & Omissions	TJPA	TIFIA	W-13 Frame Modifications
8.11R	CCO 1063	\$270,000	5/8/2017	5/19/2017	\$270,000	\$254,915	Errors & Omissions	TJPA	TIFIA	W-12 Perimeter Expansion Joint Infill Plate
8.4	*311044	\$300,000	11/10/2017	11/17/2017	\$300,000	\$290,121	Errors & Omissions	TJPA	CFD	ASI 141 Changes for Metal Panel System
10.2	*COR 311439	\$500,000	5/8/2017	5/19/2017	\$500,000	\$275,748	Errors & Omissions	TJPA	CFD	DBI Venting Requirements per RFI T-5141 - Partial CCO
10.2	CCO 0402	\$660,000	8/31/2017	8/31/2017	\$660,000	\$617,304	Errors & Omissions	TJPA	TIFIA	ASI 138 Revisions
10.2	CCO 0343	\$800,000	2/6/2017	3/22/2017	\$800,000	\$673,785	Errors & Omissions	TJPA	TIFIA	Connection to Sewer Mains per RFI T-5029
13.2	CCO 0362	\$300,000	5/8/2017	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	11/10/2017	11/17/2017	\$300,000	\$233,583	Errors & Omissions	TJPA	TIFIA	Changes to Cal Trans Substation Building Lot Elevations
18.1	*COR 311099	\$1,500,000	11/10/2017	11/17/2017	\$1,500,000	\$367,498	Errors & Omissions	TJPA	City Financing	Hinge 9 Expansion Joint
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.
18.1	CCO 0373.1	\$475,000	8/22/2016	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.
7.2	CCO 1059	\$1,200,000	2/6/2017	2/17/2017	\$1,200,000	\$895,298	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.
7.1	COR 310296.1	\$672,750	8/22/2016	8/24/2016	\$672,750	\$555,635	BBII Settlement	TJPA	CFD	Removal of Sand Inclusions in Bus Deck level cast node pads
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
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.
8.6R	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 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
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
<b>Total</b>		<b>\$78,478,350</b>				<b>\$23,961,199</b>				

\* Executed since last CRC meeting

\*\* Increased Total Value from Previously Approved

MODS and amounts paid directly by WOJV (not thru TJPA) are not included in this estimate

New Construction Changes

In Process (Presented to CRC)

Approved


# Agenda Item #9 - Construction Amendments and Changes Log (Transit Center)

2/16/2018

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
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## Contingency Tracking through January 2018 (\$millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
<b>Baseline Budge Amounts</b>	\$61.8	\$32.5	\$116.9	\$211.3
<b>Contingency Usage Through Dec 2017</b>	(\$40.8)	(\$4.7)	(\$24.0)	(\$69.5)
<b>Remaining Baseline Budge Amounts (Dec 2017)</b>	\$21.0	\$27.8	\$93.0	\$141.8
<b>Total Draws/Addds January 2018</b>	(\$2.0)	\$0.1	\$0.0	(\$1.9)
<b>Remaining Balances</b>	\$19.0	\$27.9	\$93.0	\$139.9

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
10.5	Fire Protection and Suppression
13.1	Landscaping and Irrigation
13.2	Roofing/Waterproofing
14.1B	Escalators
16.8	Fireproofing/Intumescent Spray
18.1	Bus Ramp

## Agenda Item # 9 - Construction Amendments and Changes Log (Bus Storage Facility)

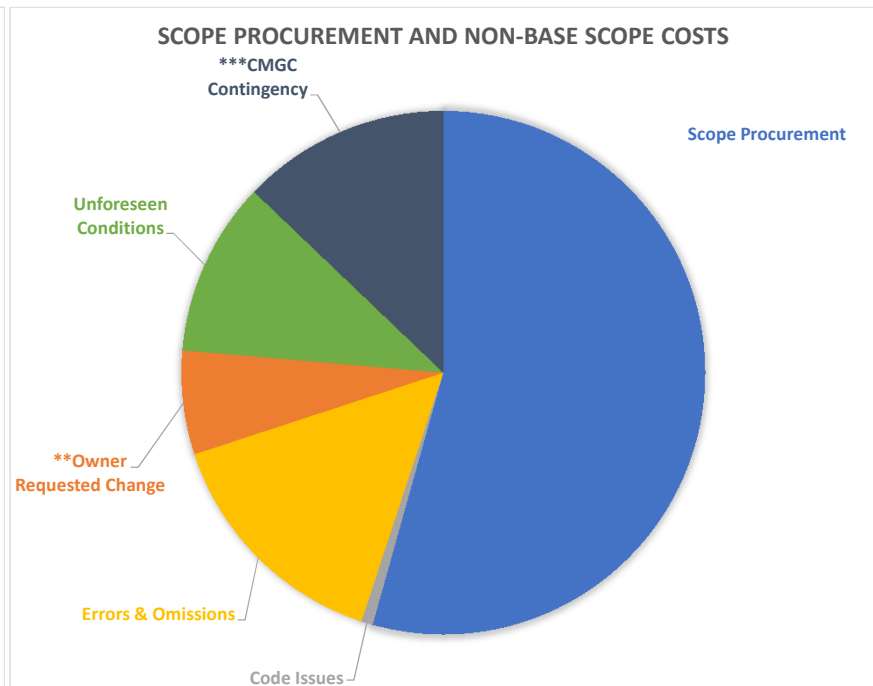
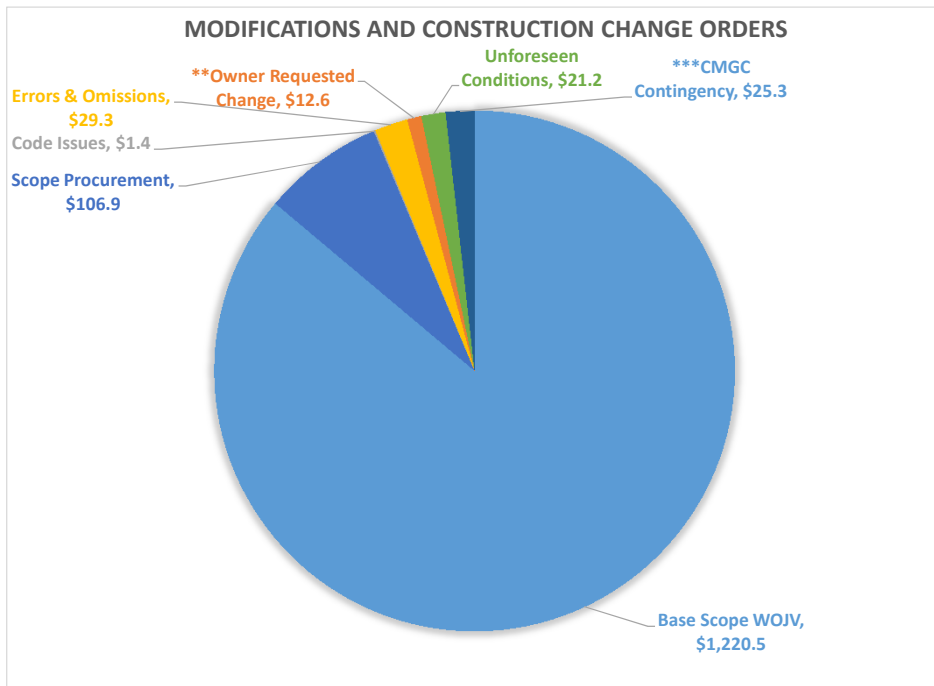
1/25/2018

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
BSF	CCO # 1	\$9,679	11/6/2017	11/17/2017	\$9,679	\$9,679	Unforeseen Condition	TJPA	City Financing	Soil Testing Support
BSF	CCO # 2	\$889,683	11/8/2017	11/17/2017	\$628,000		Unforeseen Condition	TJPA	City Financing	Class I & Class II Offhaul/Disposal - Additional Qty. the original \$628k value submitted to the CRC at last meeting was an estimate and this new amount of \$889,683.05 k is the final resolution of the quantities. Offhaul activity is completed for this scope.
BSF	CCO # 3	\$1,036	11/6/2017	11/17/2017	\$1,036	\$1,036	Unforeseen Condition	TJPA	City Financing	Buried Light Pole Foundation
BSF	CCO # 4	\$6,199	11/6/2017	11/17/2017	\$6,199	\$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	\$21,131	Unforeseen Condition	TJPA	City Financing	SS Line Relocation Bents 13-14 (LS)
BSF	CCO # 6	\$13,906	11/6/2017	11/17/2017	\$13,906	\$13,906	Unforeseen Condition	TJPA	City Financing	Food Court Cleanup (T&M)
BSF	CCO # 7	\$7,905	11/6/2017	11/17/2017	\$7,905	\$7,905	Unforeseen Condition	TJPA	City Financing	Abut A6 Unsuitable Matl R&R (T&M)
BSF	CCO # 8	\$20,250	11/6/2017	11/17/2017	\$20,250	\$20,250	Unforeseen Condition	TJPA	City Financing	Waterline Tie-In Location Change (LS)
BSF	CCO # 9	\$1,251	11/6/2017	11/17/2017	\$1,251	\$1,251	Owner Requested	TJPA	City Financing	Fence & Graffiti Repairs (T&M)
BSF	CCO #10	\$20,000	11/6/2017	11/17/2017	\$20,000	\$19,998	Owner Requested	TJPA	City Financing	Soundwall CIDH Pile Drilling Conditions
BSF	CCO # 11	\$33,699	11/6/2017	11/17/2017	\$33,699		Owner Requested	TJPA	City Financing	2nd Street OCS Removal & Replacement by SFMTA
BSF	CCO # 12	\$24,315	11/6/2017	11/17/2017	\$24,315	\$24,315	Unforeseen Condition	TJPA	City Financing	SW1 Footing Conflict
BSF	CCO # 13	\$3,131	11/6/2017	11/17/2017	\$3,131	\$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	\$221,914	\$221,914	Unforeseen Condition	TJPA	City Financing	Class I Offhaul/Dispose Unit Price Adjustment
BSF	CCO # 16	\$43,925	11/6/2017	11/17/2017	\$43,925		Unforeseen Condition	TJPA	City Financing	Class II Offhaul/Dispose Unit Price Adjustment
BSF	CCO # 17	\$10,000.00	11/6/2017	11/17/2017	\$10,000.00	\$8,796.31	Owner Requested	TJPA	City Financing	Bus Link Striping and Signage
BSF	CCO # 18	\$250,000	11/6/2017	11/17/2017	\$250,000		Owner Requested	TJPA	City Financing	Flashing Beacon on Essex for Bus Merge
BSF	CCO # 19	\$80,000	11/6/2017	11/17/2017	\$80,000		Owner Requested	TJPA	City Financing	Main Line Striping for Bus Merge
BSF	CCO #20	\$30,000					Owner Requested	TJPA	City Financing	Bus Ramp Supplemental Striping
BSF	CCO #21	\$41,109					Owner Requested	TJPA	City Financing	Additional Cost Due to Changes of Sound Wall Height
BSF	CCO #22	\$7,742					Owner Requested	TJPA	City Financing	MSE Wall Drainage Changes
BSF	CCO #23	\$917					Owner Requested	TJPA	City Financing	Spare 2in Conduit for Future EV Charging Station
BSF	CCO #25	\$50,000					Code Compliance	TJPA	City Financing	Budgetary Costs for Lighting Inverter
BSF	CCO #26	\$10,433					Code Compliance	TJPA	City Financing	Additional costs associated with Submittal #089-Fire Marshal Comments to add 2 additional card readers.
BSF	CCO #27	\$1,123					Owner Requested	TJPA	City Financing	Per owners request, added three (3) additional 20 MPH signs to the bus link ramp.
BSF	COR	\$150,000								
<b>Total</b>		<b>\$2,048,542</b>				<b>\$359,511</b>				

New Construction Changes   
 In Process (Presented to CRC)   
 Approved

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

A	B	C	D	E	F	G	H	I
<b>*Contract Sum to date (in Millions) (B+C+I)</b>	<b>Base Scope WOJV</b>	<b>Scope Procurement</b>	<b>Code Issues</b>	<b>Errors &amp; Omissions</b>	<b>**Owner Requested Change</b>	<b>Unforeseen Conditions</b>	<b>***CMGC Contingency</b>	<b>Total of Non-Base Scope Costs (D+E+F+G+H)</b>
\$1,417.2	\$1,220.5	\$106.9	\$1.4	\$29.3	\$12.6	\$21.2	\$25.3	\$89.8
	86.12%	7.54%	0.10%	2.07%	0.89%	1.50%	1.79%	6.34%



\* 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 02/08/17