

AGENDA

**TRANSBAY TRANSIT CENTER
COST REVIEW COMMITTEE MEETING**

Friday, February 17, 2017

1:30 p.m. to 3:30 p.m.

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

COMMITTEE MEMBERS

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

Secretary
Michelle Dea

ORDER OF BUSINESS

1. Call to Order
2. Roll Call

RECESS REGULAR MEETING AND CONVENE CLOSED SESSION

CLOSED SESSION

3. CONFERENCE WITH REAL PROPERTY NEGOTIATORS (Gov. Code section 54956.8)

Property: Transbay Transit Center (generally located between Mission, Beale, Howard, and Second Street in San Francisco; Assessor's Block 3721, Lots 006 and 124; Assessor's Block 3720, Lots 010 and 011; Assessor's Block 3719, Lot 003)

Agency negotiator: Mark Zabaneh, Executive Director; Shuprotim Bhaumik, HR&A Advisors, Inc.; Joan Story, Sheppard Mullin

Negotiating parties:

- Cushman & Wakefield
- Lincoln Property Company

Under negotiation: Price and terms of payment for long-term master lease of Transbay Transit Center

ADJOURN CLOSED SESSSION AND RECONVENE REGULAR MEETING

4. Announcement of Closed Session.
5. Action Item:
Approving the Minutes of the November 18, 2016 Meeting
Public Comment
6. Discussion Item:
Program Budget and Construction Status Update (presentation)
7. Discussion Item/Possible Action:
Professional Service Contracts and Amendments that Require CRC Review/Recommendation
Public Comment
8. Discussion Item/Possible Action:
Construction Contract Amendments and Change Orders that Require CRC Review/Recommendation
Public Comment
9. Discussion Item:
Status Updates from Planning Department and Office of Community Investment and Infrastructure (OCII) on Projects in the Redevelopment Area/Transit Center District
10. New Business
- Agenda for Next Meeting
11. 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.
12. Adjourn

The Transbay Transit Center 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/mmmaps/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 info@TransbayCenter.org. 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 info@TransbayCenter.org. 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：info@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.TransbayCenter.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 lobbying 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.

AGENDA ITEM NO. 5
MINUTES OF THE
NOVEMBER 18, 2016
MEETING

MINUTES

**TRANSBAY TRANSIT CENTER
COST REVIEW COMMITTEE MEETING**

Friday, November 18, 2016

1:30 p.m. to 3:30 p.m.

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

COMMITTEE MEMBERS

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

CLOSED SESSION

There was no member of the public who indicated that they would like to comment on the item scheduled for discussion in closed session.

1. Call to Order

The meeting was called to order at 1:34 p.m.

2. Roll Call

Present: Ben Rosenfield, Steve Heminger, Mark Zabaneh, Nadia Sesay, Andy Fremier, Scott Boule, Nila Gonzales, Mark O'Dell.

3. CONFERENCE WITH REAL PROPERTY NEGOTIATORS (Gov. Code section 54956.8)

Property: Transbay Transit Center (generally located between Mission, Beale, Howard, and Second Street in San Francisco; Assessor's Block 3721, Lots 006 and 124; Assessor's Block 3720, Lots 010 and 011; Assessor's Block 3719, Lot 003)

Agency negotiator: Mark Zabaneh, Executive Director; Shuprotim Bhaumik, HR&A Advisors, Inc.; Joan Story, Sheppard Mullin

Negotiating parties:

- Cushman & Wakefield
- Lincoln Property Company

- Youngwoo & Associates

Under negotiation: Price and terms of payment for long-term master lease of Transbay Transit Center

ADJOURN CLOSED SESSION AND CONVENE REGULAR MEETING

Clerk Dea announced that there was no action to report.

Closed session was adjourned at 2:50 p.m.

4. Action Item:
Election of Chair

Executive Director Heminger nominated Controller Rosenfield as Chair of the Cost Review Committee, seconded by Executive Director Zabaneh.

Public Comment: None

Ben Rosenfield was elected Chair.

5. Action Item:
Approving the Minutes of the August 24, 2016 Meeting.

Public Comment: None

The minutes of the August 24, 2016 meeting were approved.

(Per concurrence from the Committee, items 9 and 10 were presented prior to item 6.)

6. Discussion Item:
Program Budget and Construction Status Update (presentation)

Dennis Turchon, TJPA Senior Construction Manager presented item 6.

Executive Director Heminger requested alternatives for schedule and financial impact. Per Mr. Turchon, the TJPA will add an unmitigated schedule table to the risk slide on the next presentation.

Chair Rosenfield commented on revenue and the status of the TIFIA agreement. Per Nadia Sesay, Director of CCSF Office of Public Finance, the TIFIA agreement amendment is almost finalized.

7. Discussion Item/Possible Action:
Professional Service Contracts and Amendments that Require CRC Review/Recommendation

Dennis Turchon, TJPA Senior Construction Manager presented item 7.

Executive Director Heminger inquired about the status of the TJPA's request for funding from the San Francisco County Transportation Authority (SFCTA). Executive Director Zabaneh stated that the SFCTA Board deferred the item and expects the TJPA to go back to the SFCTA Board in December 2016 or January 2017. Additional information has been requested from the TJPA for approval of approximately \$7 million in Proposition K funding for Phase 2. The TJPA is currently waiting for completion of 30% design in order to complete several reviews and updates, including a traffic management review to determine how best to minimize construction impacts to businesses and residents. The 30% design completion will also be needed for the TJPA to decide on which delivery method to use for Phase 2.

Chair Rosenfield inquired about funding and how quickly funds can be used to complete Phase 1 and retire obligations versus how quickly the TJPA wants to proceed with Phase 2. Phase 2 fund sources, draws and schedule may be discussed at another time.

Public Comment: None

8. Discussion Item/Possible Action:

Construction Contract Amendments and Change Orders that Require CRC Review/Recommendation

Dennis Turchon, TJPA Senior Construction Manager presented item 8. Currently, there are 5 change orders (CCOs) which exceed the \$250,000 threshold and no change orders requiring City financing at this time. The TJPA anticipates using City financing next quarter.

Chair Rosenfield questioned if any of the change orders are optional scope. Mr. Turchon stated that the change orders are for required scope. Ron Alameida, Director of Design and Construction for the Transbay Transit Center, stated that the change orders were mostly for anticipated scopes. Mr. Turchon stated that the TJPA will populate actual change order amounts next quarter. The actual amounts should be less than not-to-exceed amounts listed in the Construction Amendments and Changes Log.

Public Comment: None

9. Discussion Item:

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

Tina Chang, Planner from the Planning Department, provided a status update of projects in Zone 2 of the Transit Center District. Shane Hart, Project Manager from the OCII, provided a status update on projects in Zone 1.

Chair Rosenfield suggested that Planning and OCII add columns to the “Transbay Transit Center Community Facilities District (CFD), Status of Development” handout, to include “original completion dates” and “current forecast,” and Nadia Sesay, Director of CCSF Office of Public Finance can provide an order of magnitude estimate of CFD proceeds for the projects listed in the handout. Chair Rosenfield requested quarterly updates and stated that this agenda item will be a regular item for now.

10. Discussion item:

Update on 301 Mission Street/Millennium Tower

Dennis Turchon, TJPA Senior Construction Manager, provided a handout of the TJPA press release dated October 4, 2016 and spoke to its particulars.

11. New Business

- Agenda for Next Meeting.

For the next meeting, Chair Rosenfield requested budget updates similar to the updates provided during today’s meeting.

12. 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.

None.

13. Adjourn – Chair Rosenfield adjourned the meeting at 3:35pm.

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AGENDA ITEM NO. 6
PRESENTATION ON
BUDGET &
CONSTRUCTION
UPDATE



Phase 1 Final Revised Baseline Budget

Approved June 9, 2016

Transbay Transit Center

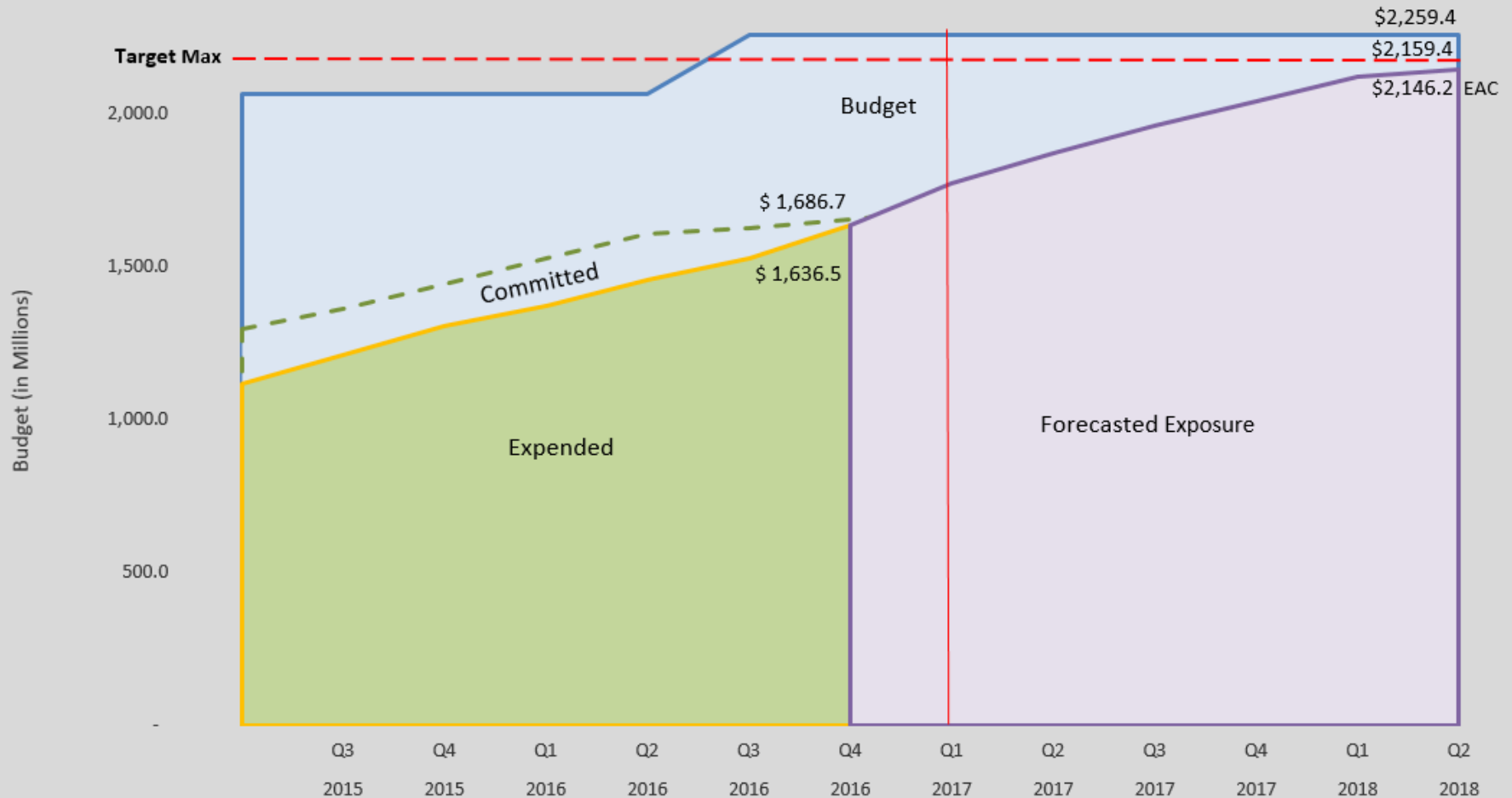
TJPA





Phase 1 Transbay Transit Center

Data thru: December 16



72% Program Budget
86% Contract Time



Phase 1 Budget & Expenditures (in millions)

(\$ Millions)	<u>Budget</u>	<u>Committed</u>	<u>Expended</u>	<u>Balance</u> (Budget less Committed Costs)
Construction Costs	\$1,460.7	\$1,140.7	\$1,109.6	\$316.7
Program-wide Costs (Soft Costs)	\$595.3	\$546.1	\$526.9	\$49.2
Contingencies & Reserves	\$203.4	\$0.0	\$0.0	\$203.4
TOTAL	\$2,259.5	\$1,686.7	\$1,636.5	\$572.7



Phase 1 Funding

Sources	Amount (\$millions)	Expended to Date	Balance
Land Sales	\$515.60	\$483.05	\$32.85
FRA Grants	\$402.70	\$401.80	\$0.90
TIFIA Loan	\$171.00	\$14.01	\$156.99
Bridge Lo	\$154.00	\$139.04	\$14.46
FTA Grants (including One Bay Area Grant)	\$68.40	\$61.70	\$6.70
FEMA Grants	\$0.10	\$0.10	\$0.00
Regional Measures 1 & 2	\$197.40	\$195.10	\$2.30
AB 1171	\$150.00	\$146.80	\$3.20
San Francisco Prop K	\$139.30	\$125.27	\$14.03
AC Transit Capital Contribution	\$39.40	\$37.45	\$2.25
Regional Transportation Improvement Program	\$10.20	\$10.20	\$0.00
Miscellaneous Local	\$12.70	\$13.80	\$5.30
San Mateo County Sales Tax	\$4.50	\$4.50	\$0.00
Transit Center District Plan (Mello-Roos CFD)	\$146.60	\$0.00	\$146.40
City Financing	\$247.50	\$3.66	\$237.54
Total Funds	\$2,259.40	\$1,636.48	\$622.92

Note: Expenditures include retention withheld, but not paid out.



Contingency Tracking (in Millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budget Amounts	\$61.8	\$32.5	\$116.9	\$211.2
Contingency Usage Through Nov 2016	(\$15.6)	(\$1.51)	\$9.79	(\$7.32)
Remaining Baseline Budget Amounts (Nov 2016)	\$46.2	\$31.0	\$126.69	\$203.9
Total Draws/Adds Dec 2016	(\$0.5)	(\$0.0)	\$0.0	(\$0.5)
Remaining Balances	\$46.3	\$31.0	\$126.69	\$203.4

Uses of Contingency this period

- Final TG7.2 Curb Plate changes, and other miscellaneous changes to Plumbing, Civil/Sitework, and Interiors/Finishes.



Risk Assessment Update for the \$2.259B approved budget

Mitigated

Confidence Level	<u>Bottom Up Model</u>		<u>Top Down Mode (FTA)</u>	
	EAC	Anticipated Savings	EAC	Anticipated Savings
30%	\$ 2,146	\$ 114	\$ 2,157	\$ 103
50%	\$ 2,149	\$ 110	\$ 2,183	\$ 76
70%	\$ 2,154	\$ 105	\$ 2,216	\$ 43

- Assumes schedule is mitigated for December 2017 Substantial Completion, minimal claims, adherence to schedule and strict control over change orders.

Unmitigated

Confidence Level	<u>Bottom Up Model</u>		<u>Top Down Mode (FTA)</u>	
	EAC	Anticipated Savings	EAC	Anticipated Savings
30%	\$ 2,200	\$ 60	\$ 2,175	\$ 85
50%	\$ 2,212	\$ 47	\$ 2,212	\$ 47
70%	\$ 2,230	\$ 29	\$ 2,258	\$ 1

- Assumes schedule slippage to March 19, 2018 and no mitigation.

NOTE: The information above are based on Risk Management Committee Meeting No. 8, in September 2016.



- **Schedule Mitigation**
- **Future Claims from trade contractors**
- **Compatibility Issues between various Building Management Systems and Communication Systems**
- **Market pricing - Bus Storage**

NOTE: The information above are based on Risk Management Committee Meeting No. 8, in September 2016.



Phase 1 Construction Cost Update

as of January 2017

Awarded to Date (direct cost)* (\$ millions)

Transit Center	\$ 1,200.1
Utility Relocation	\$ 26.3
Demolition Old Terminal	\$ 15.5
Temporary Terminal	\$ 20.7
Bus Ramp	\$ 58.4
Total Awards to Date	\$ 1,321.00

*Amounts include executed change orders



Phase 1 Construction Cost Update

Remaining Work to be Awarded (\$ millions)

Trade Packages (Bids/RFPs)	
IP Network/Security Software (PSIM, ECS/MNS)	\$ 6.00
Bus Storage Facility	\$ 20.02
Subtotal	\$ 29.02
Strategic Change Orders	
Traction Control	\$ 3.00
Artwork	\$ 1.46
Mission Street Island	} \$5.42
301 Mission Wall Replacement	
IP Network (DAS & physical interconnections)	
Extending Natoma sidewalk to 2 nd Street	
Subtotal	\$ 9.88
Total	\$ 35.90



Construction Update

February 2017

Transbay Transit Center

TJPA



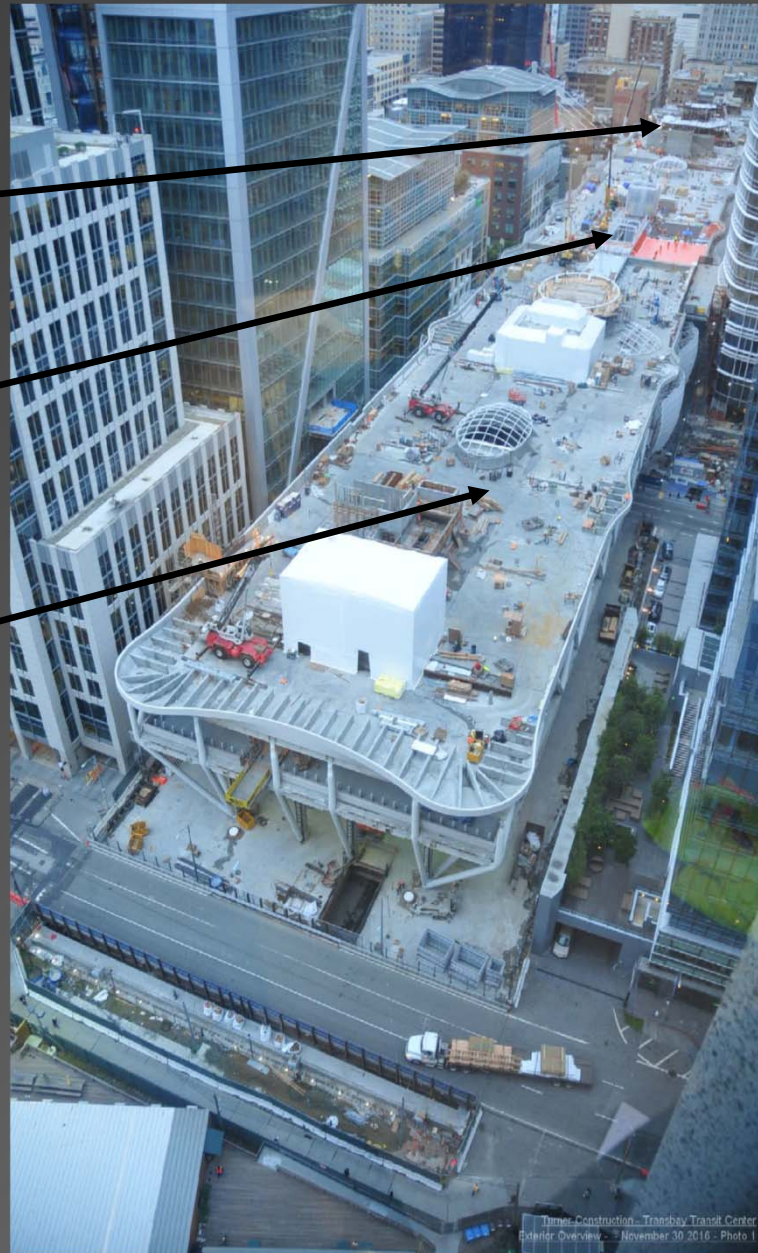


Transbay Transit Center

Western Zone
Gridlines 1 to 10

Central Zone
Gridlines 10 to 20

Eastern Zone
Gridlines 20 to 35









Project Overview

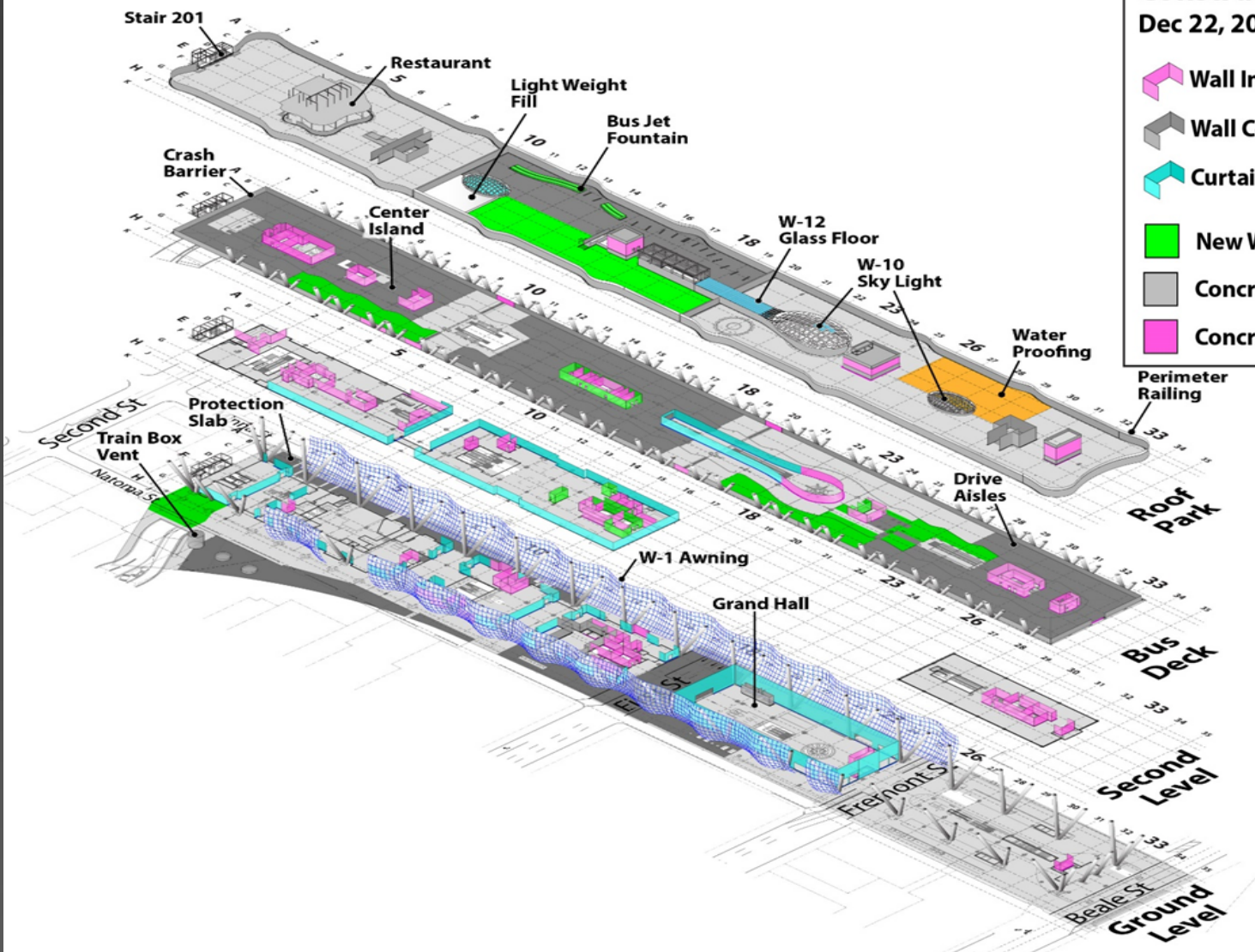
1. Construction Activity
2. Safety & Labor Statistics
3. Budget Overview
4. Contingency Cost
5. Schedule
6. Risks & Operational Readiness



Transit Center – Upper Levels and Roof Park

Transbay Transit Center
Construction Progress
Dec 22, 2016 - Jan 27, 2017

-  Wall In Progress
-  Wall Complete
-  Curtain Wall Complete
-  New Work Completed
-  Concrete Slab Complete
-  Concrete Slab In Progress

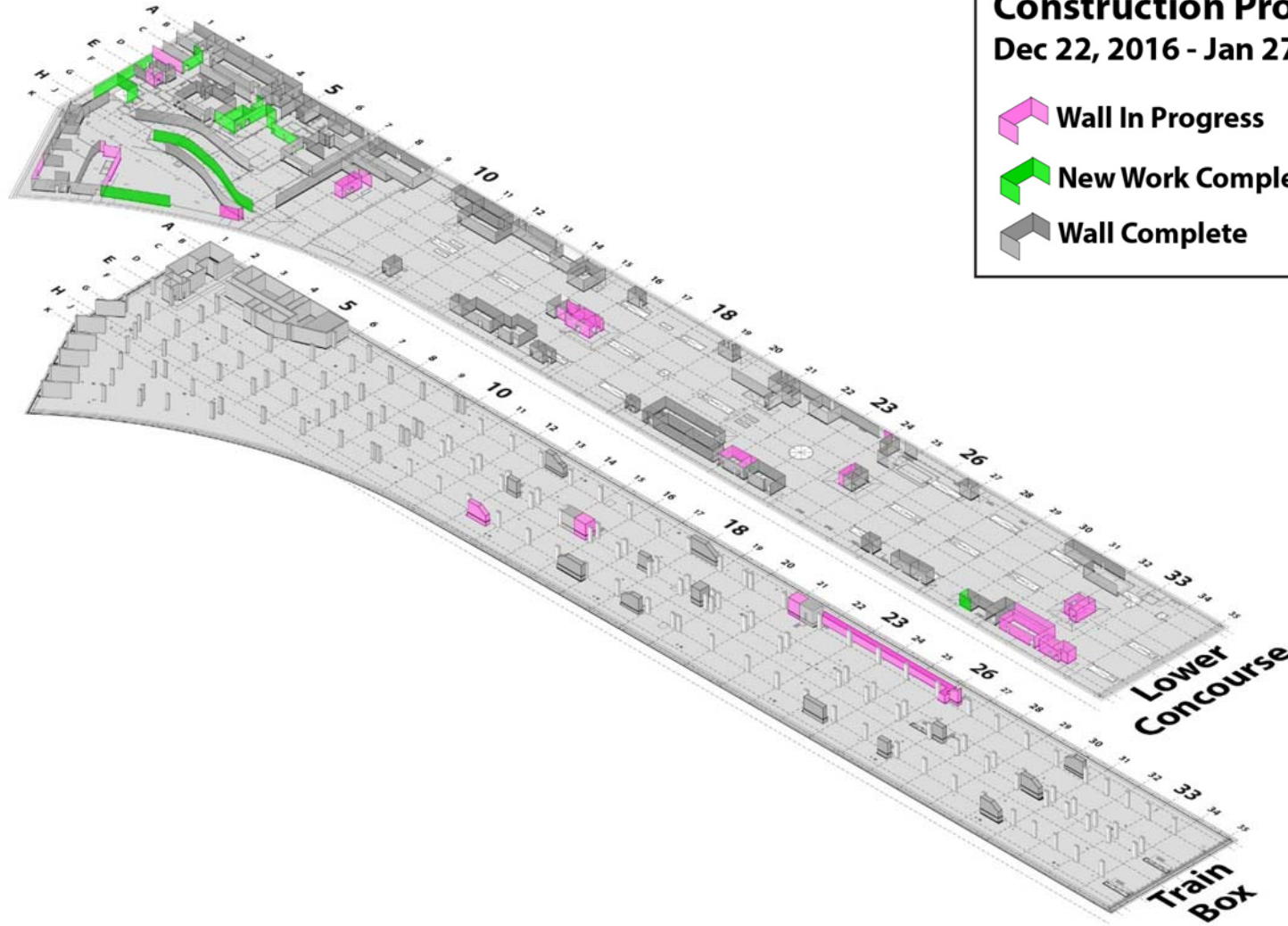




Transit Center- Trainbox Lower Levels

**Transbay Transit Center
Construction Progress**
Dec 22, 2016 - Jan 27, 2017

-  Wall In Progress
-  New Work Completed
-  Wall Complete





Western Zone (GL 1-10)

- Rooftop Western Skylight glazing installed and tested.
- Rooftop restaurant walls and decks rebar and concrete continues.
- Bus Deck drive aisle and pedestrian island concrete is complete.
- Mechanical/Electrical/Plumbing/Fire Sprinkler (MEPF) systems installation continues all levels.
- Main Electric, Switchgear and transformer rooms buildout in progress and readied for energization.
- Concrete Masonry Unit (CMU) wall installation nearing completion.
- Vehicle and Bicycle architecturally exposed ramp walls shotcrete in progress.



Central Zone (GL 10-20)

- Rooftop trees are being delivered!
- Rooftop Landscaping underground conduit, piping and fountain precast is underway both north and south.
- Rooftop Glass Canopy framing at Escalator 407/408 is completed.
- All levels metal stud framing walls with MEP rough-in, also Glass Curtain wall systems installation continues.
- All levels continue with MEPF systems installation.
- Main Electric, Switchgear and transformer rooms buildout in progress and being readied for energization.
- First Street temporary bridge all steel removed in early January with concrete infill in progress and waterproofing, backfill and asphalt to follow in February.





Construction Activity



Eastern Zone (GL 20-35)

- Light Column “Oculus” Skylight glazing panels in progress.
- Rooftop Waterproofing has commenced in the eastern zone.
- Bus Deck drive aisle is complete with pedestrian island with crash bollards concrete remaining to complete.
- All levels metal stud framing walls and MEP rough-in, also Glass Curtain wall systems installation continues.
- Mechanical/Electrical/Plumbing/Fire Sprinkler (MEPF) systems installation continues all levels.
- Lower Concourse Elevator Fronts and machinery being installed.
- Concrete Masonry Unit (CMU) wall installation nearing completion.



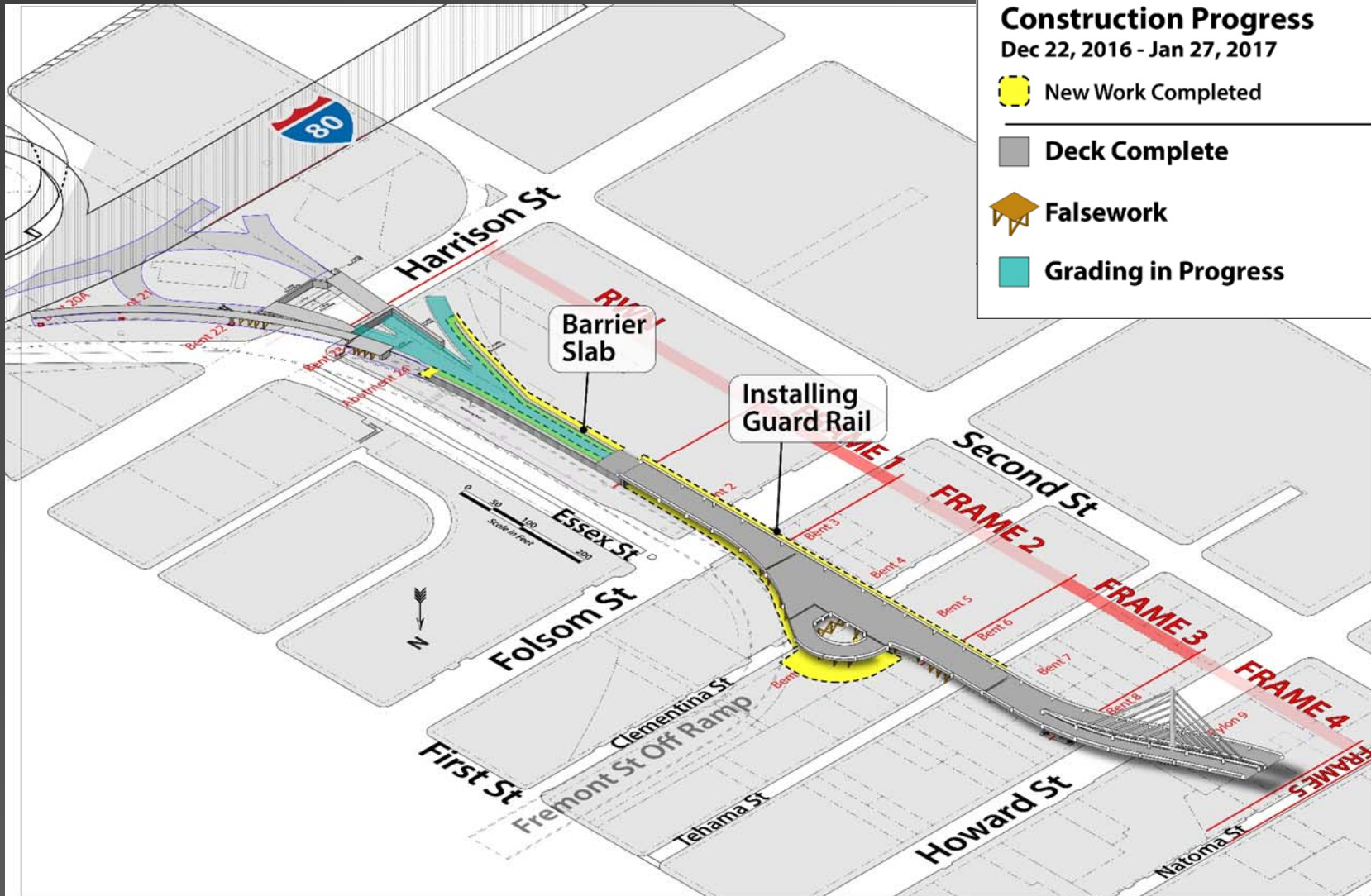
Bus Ramp and Cable Stay Bridge

Transit Center Bus Ramp

Construction Progress

Dec 22, 2016 - Jan 27, 2017

-  New Work Completed
-  Deck Complete
-  Falsework
-  Grading in Progress





Bus Ramp Bridge

- All Cable Stay Bridge ST-10 Railings are installed with cut and cap of cables starts early February.
- Bridge drop-in steel span connection to Transit Center being delivered to site early February.
- Mechanically Stabilized Earth (MSE) and retaining wall work progressing.
- Earthwork grading work in progress.
- Underground utility work continues.
- Viaduct electrical utility work continues.
- Viaduct bus turnaround (Frame 2 @ Clementina Street) completed with Falsework removal scheduled early February.





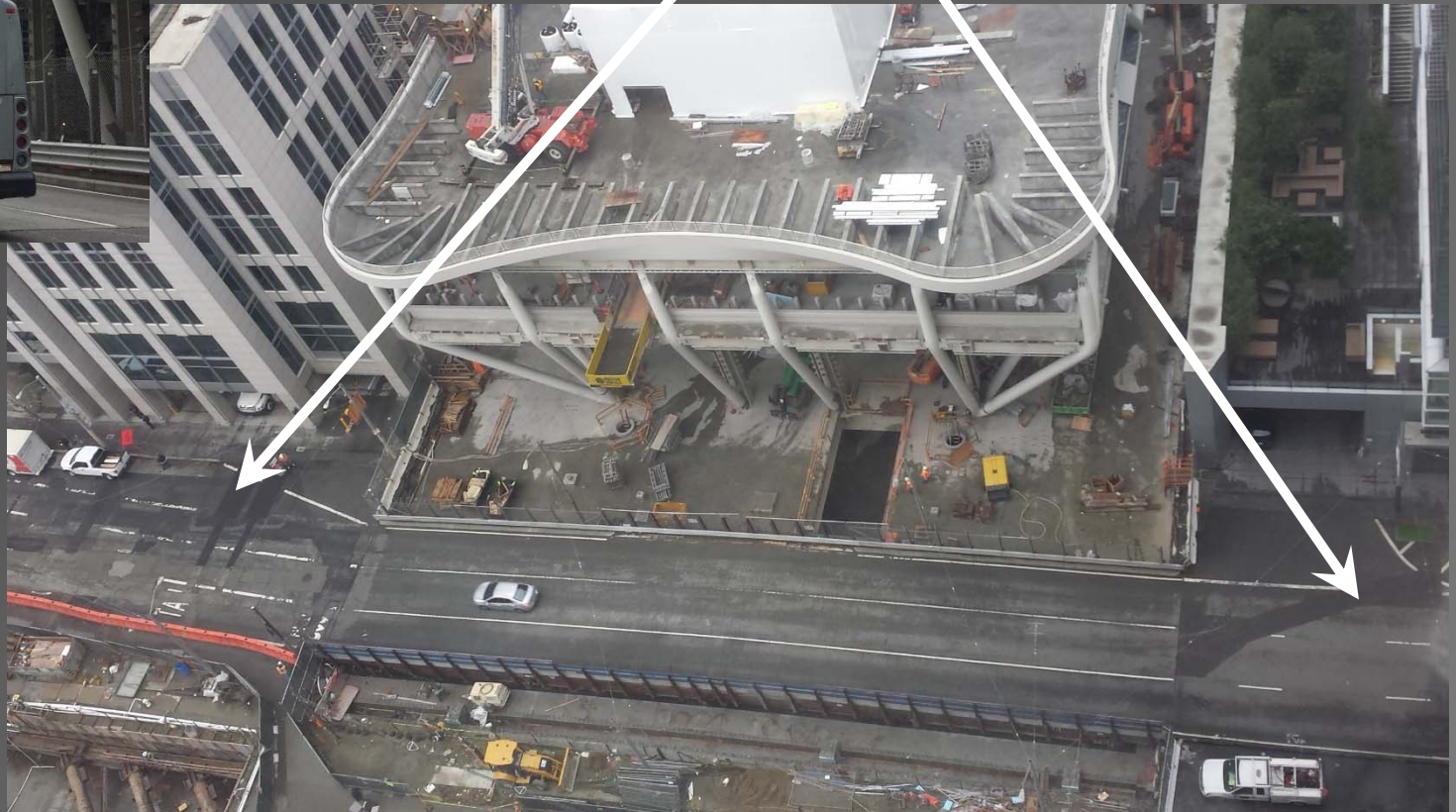
Transbay Transit Center

Temporary Steel Bridge Removal and Replacement at Beale Street



OCS Lines

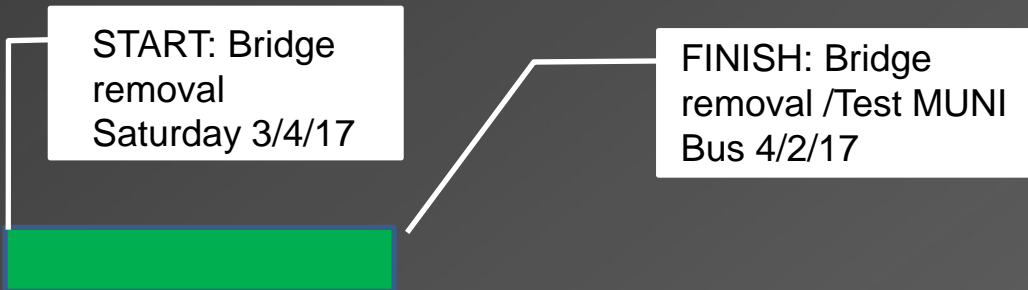
Limits of Work





Transbay Transit Center

Temporary Steel Bridge Removal and Replacement at Beale Street



28 DAY PLAN: Complete temp bridge removal and final street restoration working two 8 hour shifts 6AM - 11:00PM (16 hours per day) including Saturday. Sundays days for other contractors – waterproofing, low voltage conduits and other low noise work.

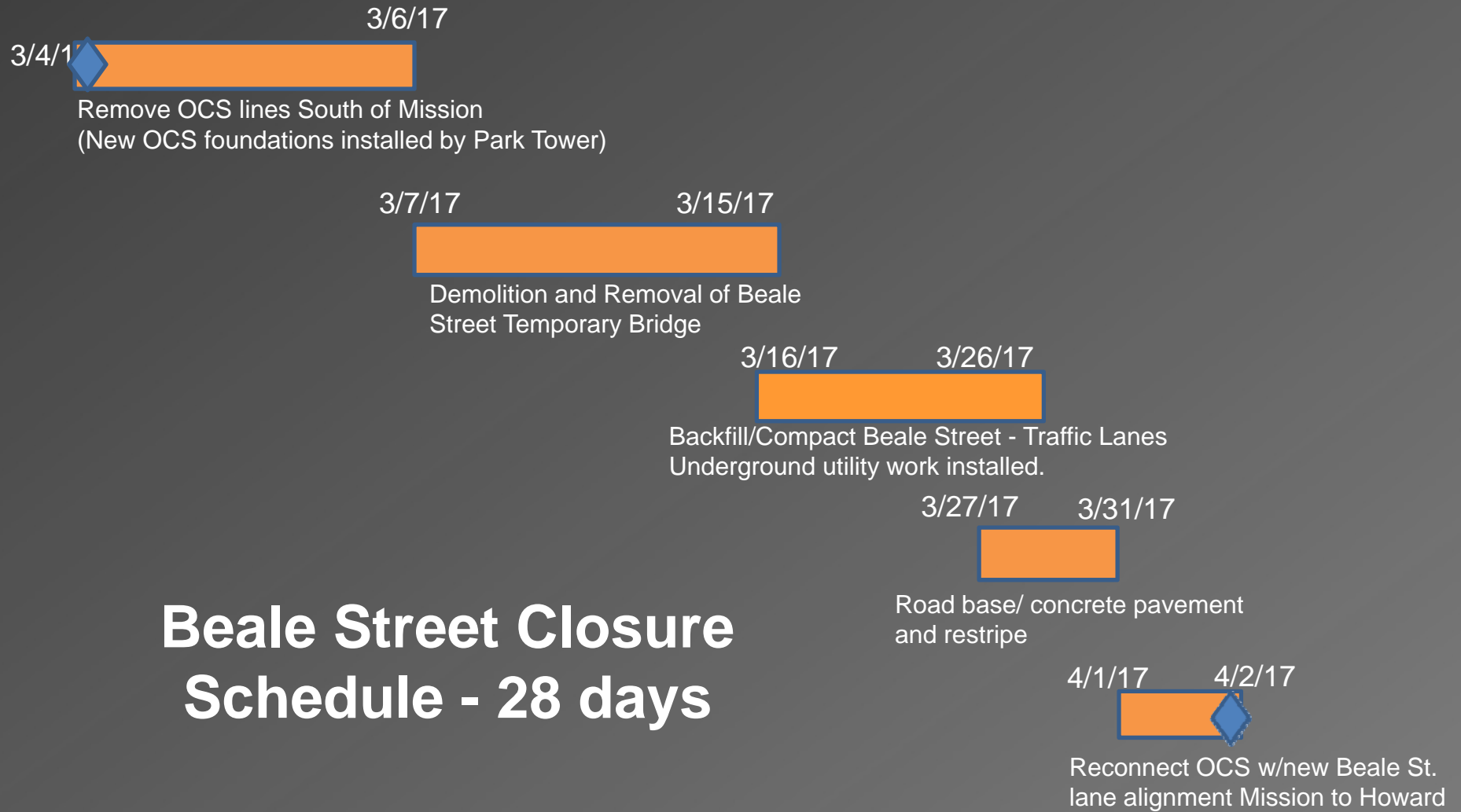


7 MONTH IMPACT: Beale Street traffic lane closures and OCS outage for bridge removal in Phases would take 6-7 months per the contractor. Fremont Bridge removal scheduled to start 7/2/17 would also be impacted.



Transbay Transit Center

Temporary Steel Bridge Removal and Replacement at Beale Street





Recordable & Lost Time Incidents:

Recordable Incidents in January time period:	1	Lost Time Incidents in January time period:	0
Total Recordable Incidents in 2017:	1	Total Lost Time Incidents in 2017:	0
WOJV Average Annual Recordable Incident Rate 2011 Through 2015	3.04	WOJV Average Annual Lost Time Incident Rate 2011 Through 2015:	0.38
Nat'l/ State Annual Average Recordable Incident Rate 2011 Through 2015:	2.76	Nat'l/ State Annual Average Lost Time Incident Rate 2011 Through 2015:	1.36

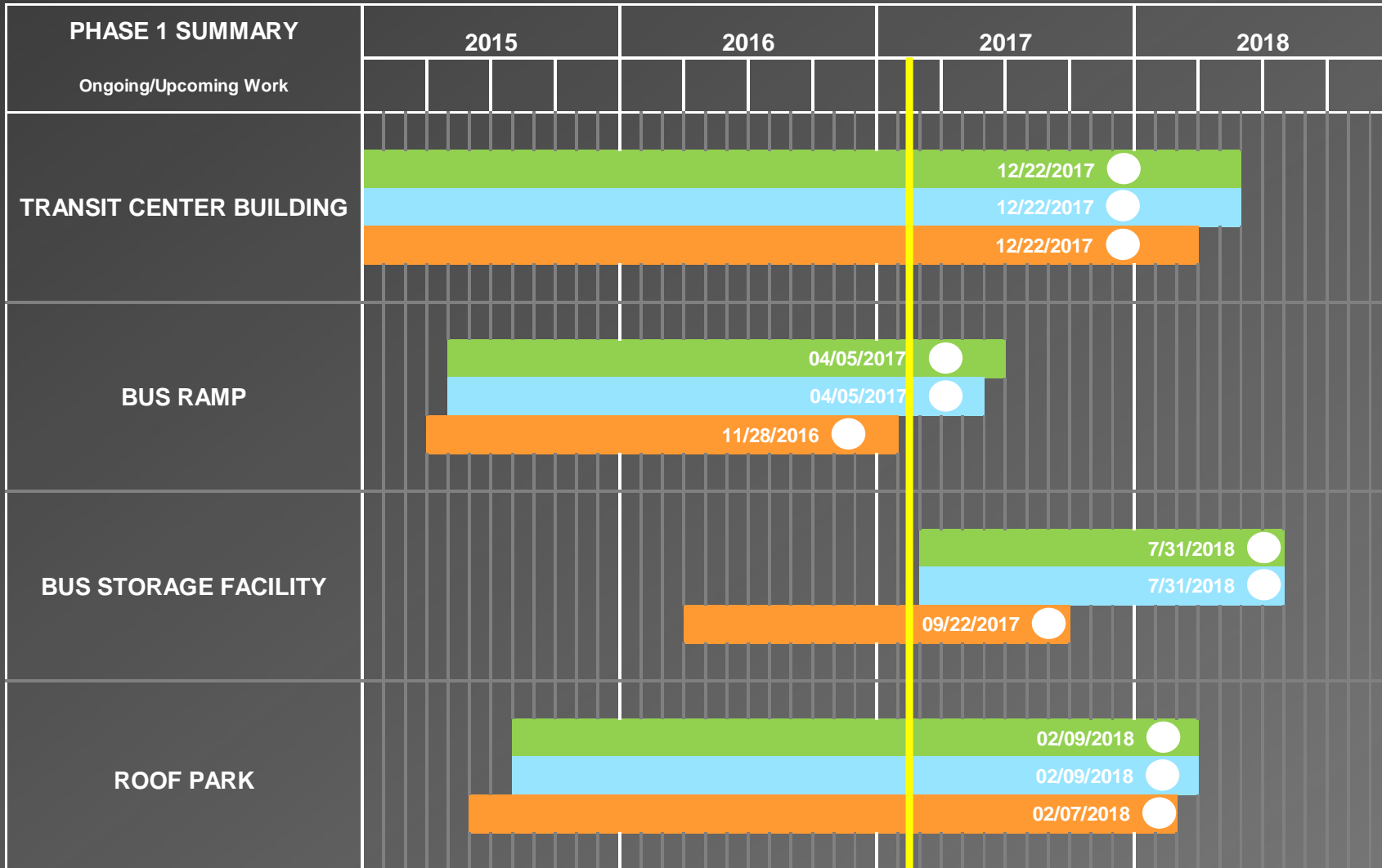
Craft Hours:

Total Transit Center Craft Hours 2011 through 2017:	Increase since last update Dec 31:	Total Transit Center Craft Hours YTD 2017 :
3,059,519	104,216	104,216



Transbay Transit Center

Schedule



LEGEND

- Current Forecast
- Previous Report
- Baseline
- Substantial Completion



Schedule

Recovery Schedule continues to hold while Schedule tightness continues to represent risk to Project.

Active Management

1. All Major Activities treated as Critical.
2. Project Leadership Team encouraging early issue elevation.
3. Continually seeking early warning of next challenge on the Horizon.

Recent Actions

1. Re-sequenced Temporary Bridge Removals at Beale and Fremont Street.
 - Responds to constraints related to neighboring construction.
 - Affords schedule betterment at both locations.
2. Project Leadership issue resolution with languishing submittals & shop drawings including long lead lighting fixtures and signage.



Concerns:

1. Master Lessee Delayed On-Boarding Impact.
 - Building Systems Commissioning.
 - Building Systems Testing, Training and Hand Off.
2. Timely Transit Operator's Transition.
 - Route "Sign-On" & Driver Training Schedules.
 - Transit Operator's Tenant Improvements, Fixtures, Furniture, & Equipment.

Transition Update:

- Hiring of Facility Manager & Chief Security Officer advancing.
- AC Transit start of Operations remains with March 2018 forecast.
- Ramped up Transition Planning Meetings to Weekly.
- Transition Communication & Public Relations discussed with AC Transit.
- Muni training timeline also forecast March 2018 full operations.



Discussion:

Constraints of Substantial Completion & Training :

- Creates January & February 2018 transition window.
- Opportunity for “Soft Opening” or “Measured Migration” approach.
- More discussion with all Stakeholders Required.
- 1st Half 2017 Target for firm Transition Plan & Schedule.

Discussion Topics:

- Public Relations & Communication Plan.
 - Transit Operations & TTC Passenger Education.
 - Event Planning & Scheduling.
- Operational Milestones and Expectations.



AGENDA ITEM

NO. 7 & 8

**STAFF MEMO,
CHANGES LOG AND PIE
CHART**

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 17, 2017

Re: Agenda Items

Agenda Item 5 - Professional Services Contracts and Amendments

The Transit Center Project Team anticipates executing or recommending the following professional services contract awards/amendments requiring CRC action between March - May 2017.

- Master Lessee:
This is an update to the Master Lessee negotiations discussed in the November 2016 CRC meeting. TJPA is still engaged in the procurement process with two parties at this time, and can provide further detail at the February CRC meeting.
- Parsons (PTG) Amendment (Agreement No. 03-02-DTX ENGR-002):
Phase 2 of the Transbay Transit Center Program (Program), which is comprised mainly of the Downtown Rail Extension (DTX) project, requires a multi-disciplinary engineering design team to provide engineering services on behalf of the TJPA; assist in planning, engineering/designing, managing, and implementing this large and complex public infrastructure project; and provide other related professional services. Parsons has been providing these services and is still currently doing so, including the completion of the 30% Preliminary Engineering of the DTX's original scope.

In 2004, Parsons was selected through a competitive procurement process as the highest ranked team to provide engineering and design services for the Downtown Rail Extension (DTX). In December 2004, the TJPA Board authorized an agreement with Parsons for an initial three-year term (2005–2008) with a maximum compensation amount of \$23,035,142. The agreement was renewed in June 2008 for contract term of 2008-2011, and in June 2011 for a contract term of 2011-2014. In June 2014, the contract duration was extended for another three years (2014-2017). The table below summarizes the contract terms, contract award amounts, total expended and remaining amounts:

Term	Award Date	Award Amount	Total Expended	Remaining Amount	Notes
Term 1	12/16/2004	\$23,035,142	\$13,811,557	\$0	Closed; Contractor completed

(2005-2008)					Conceptual Engineering
Term 2 (2008-2011)	6/20/2008	\$11,910,000	\$11,161,792	\$0	Closed; Contractor completed Preliminary Engineering on the 2004 Final EIS/EIR elements
Term 3 (2011-2014)	6/9/2011	\$4,200,000	\$2,613,138	\$1,586,862	Open
Amend. No. 1 to Term 3 (2014-2017)	6/12/2014	no additional funds authorized	see above	see above	Open
Total			\$27,586,487	\$1,586,862	

In June 2016, the TJPA Board directed the Executive Director to proceed with completing the Phase 2 30% Preliminary Engineering to reflect the scope in the Supplemental Environmental Impact Statement/Environmental Impact Report, updating the right-of-way cost estimate, producing a new independent Programwide cost estimate, performing a risk assessment, and updating the ridership study as inputs to the development of a delivery plan and a funding plan for Phase 2. Accordingly, the TJPA will seek approval from its Board this Spring to execute Amendment No. 03 to Agreement No. 03-02-DTX ENGR-002, Engineering Design Services for Caltrain Downtown Extension Project Term 3 (2014 -2017), to extend the term of the Agreement by three years (2017–2020), with options for two (2) three-year extensions and a final one-year extension; and increase the contract amount by \$3.5 million, for a total contract amount of \$7.7 million.

The TJPA believes that extending Parsons’ contract would be more efficient and cost effective than engaging in a new competitive procurement process to select a consultant for continuing engineering services. The services will require a detailed understanding of the design work completed to date and the detailed and particular requirements and agreements reached with the TJPA’s partners, including Caltrain and CHSRA. The time investment that would be required for a new engineering firm to review all the necessary materials and information prepared over the last 12 years would be costly, and would significantly affect a new consultant’s ability to deliver the services in accordance with the Phase 2 timeline.

While the TJPA continues to meet with the San Francisco County Transportation Authority (SFCTA) for funding request approval, the TJPA is looking into alternative available funding from other sources.

- Program Management and Program Controls Professional Services (Agreement No. 13-02-PMPC-000):

This item was described for the November 2016 CRC meeting, where it was noted that \$1.3 million for Phase 2 elements of work would be funded with Proposition K funds from the SFCTA. As noted above, TJPA staff continues to work with SFCTA for its Phase 2 funding

request approval, but is also looking into alternative funding from other sources for Phase 2-related work.

- Notices to Proceed or Budget Appropriations for Professional Services or Administration anticipated to be funded with City Financing

<i>Contract or Scope</i>	<i>Amount</i>	<i>Timing</i>
Outside Legal Services	\$1,500,000	March 2017

Agenda Item 6 - Construction Contract Amendments and Change Orders

The Transit Center Project Team anticipates executing or recommending the following construction contract awards/amendments/change orders requiring CRC action between March - May 2017:

- RFP 17-04 (formerly RFP 17-03) Physical Security Information Management (PSIM) System and Emergency Communication System/Mass Notification System (ECS/MNS) Integration Services:
This is an update to the November 2016 CRC Meeting, related to PSIM and ECS/MNS. Proposals were received in November 2016. An evaluation committee, consisting of staff from SF Sheriff Department, SFMTA, SFO, TJPA, PMPC, and the design team, reviewed the submissions and interviewed three proposers. Contract award timeline will be resolved prior to the next CRC meeting, and will be in the amount of \$5,606,664, which is within the approved budget of \$6.0 million (\$3.0 million for the PSIM and \$3.0 million for the ECS/MNS).

- Neutral Host Distributed Antenna System (DAS)
The DAS will provide enhanced cellular and radio coverage throughout the Transit Center, benefitting facility staff, tenants, and the public, and generating operating revenue for the TJPA. The TJPA issued RFP 17-02 Neutral Host Distributed Antenna System Services on August 2, 2016. Proposals were received on September 13, 2016, from nine firms. Boingo was selected for negotiations following a competitive procurement process. NOTE: There is no cost to TJPA for installation of the DAS.

As the DAS service provider, Boingo will fully design, install, implement, operate, and maintain the DAS at the Transit Center. Boingo will design the DAS to support multiple cellular carriers, including but not limited to AT&T, Sprint, T-Mobile, and Verizon. The DAS will, at a minimum, incorporate all current wireless communications and broadband data requirements for the four major wireless service providers. The DAS will also provide wireless radio frequency signals for frequencies other than those used by emergency responders.

The TJPA anticipates February Board approval for an agreement with Boingo Wireless, Inc., for a twenty-year term, with upfront payments to the TJPA totaling \$1,000,000, additional payments totaling a minimum \$2,500,000 and up to \$3,000,000 as carriers are signed, and minimum annual payments to the TJPA of 25% of gross revenue or \$125,000, whichever is greater. Given the payment schedule in the agreement, TJPA will receive at least \$2.25 million prior to the commencement of Transit Center operations, which will be placed into an operating reserve. If the original 20-year term is renewed, an additional \$1.5 million will be paid upon commencement of the renewal term.

- Bus Storage Facility

The Bus Storage facility will be used primarily by AC Transit for weekday layovers between peak hour commutes. Bounded by Second, Third, Perry, and Stillman streets below the Interstate 80 west approach to the Bay Bridge, the facility will include 49 bus stalls, AC Transit offices, storage, and restrooms. A visual and sound barrier wall will screen portions of the facility from adjacent residential properties. The project is subject to oversight by the California Department of Transportation (Caltrans) because of its location on state right-of-way, under the freeway. The Project Study Report-Project Report was approved in May 2015; coordination with Caltrans is ongoing. The project was advertised in January 2017 and has a bid opening date of February 22, 2017. There is an anticipated award in March 2017 for an amount of approximately \$20 million. Construction duration is expected to be 14-18 months through summer 2018.

Construction Change Orders above the \$250,000 threshold and/or City-Financed

- Anticipated change orders that require CRC review are described below:

Trade Packages	No.	NTE Amt	Category
TG 4.2 Auxiliary Water Supply System	COR 311819	2,800,000	Scope Procurement
TG 7.1 - Structural Steel	CCO 1043	425,000	Settlement
TG 7.2 - Superstructure Concrete		250,000	Scope Procurement
TG 7.2 - Superstructure Concrete	CR T-304	455,000	Owner Requested
TG 7.2 - Superstructure Concrete		1,000,000	Errors & Omissions
TG 7.2 - Superstructure Concrete		280,000	Errors & Omissions
TG 7.2 - Superstructure Concrete		1,000,000	Schedule Mitigation
TG 8.6R - Metal Ceilings	CR T-207	450,000	Scope Procurement
TG 8.6R - Metal Ceilings	CCO 309	250,000	Scope Procurement
TG 10.2- Plumbing	COR 311301	450,000	Scope Procurement
TG 10.3 - Mechanical/HVAC	CCO 304	118,000	Owner Requested
TG 13.1 - Landscaping and Irrigation	CR T-185	420,000	Owner Requested
TG 13.1 - Landscaping and Irrigation	CR T-172	20,000	Owner Requested
Total		7,918,000	

TG04.2 – Utility Relocation - Mission St. Auxiliary Water Supply System

COR 311819 – Traction Power on Fremont and Beale Streets - \$2,800,000

The scope to be procured under this Change Order Request (COR) is part of the original buyout and has been included in the budget but was not included in any previously awarded trade package. Under this COR, the Trade Package TG04.2 subcontractor will provide labor and materials to install traction power from the downtown substation to the project; traction power is necessary for operation of SF Muni electric buses. SFMTA is currently working on the final design of the scope of work. Costs include potholing duct bank trench alignments along Mission Street between Anthony and Spear Streets, along Fremont between Mission Street and Transit Center, and on Beale Street between Mission Street and the

Transit Center. Additionally, costs include saw cutting, excavating and shoring trench alignment for conduit installation, installation of new PVC conduit, core drilling into utility vaults, Mandrel Testing of all new conduits, pulling rope through new conduit, concrete encase ducts, backfill and restore trench paving, traffic control and special traffic permits, and night/weekend time. This CCO request to the Cost Review Committee is for an NTE amount of \$2,800,000; however, note that SFMTA is revising some of the scope and the overall cost of work may be reduced.

TG07.1 – Structural Steel

CCO No. 1043 - Seismic Upgrades to Access Trestle - \$425,000

This CCO is for costs related to the seismic upgrades to the access trestle needed to erect the structural steel. The access trestle bracing modifications were necessary to meet the 475-year seismic event design criteria. The access trestle provided to the TG07.1 subcontractor met the requirements for the 475-year seismic event design criteria, but when a portion of the trestle was removed by the TG07.1 subcontractor in order to erect steel, the access trestle became unstable and as a result new seismic bracing was required. On July 13, 2016, the DRA recommended that the TG07.1 subcontractor be compensated for the seismic upgrades to the access trestle. This CCO will be funded by CMGC Contingency. This CCO request to the Cost Review Committee is for a NTE amount of \$425,000.00.

TG07.2 – Above Grade Structural Concrete

COR - Drum Café Revisions - \$250,000

The scope to be procured under this COR is part of the original buyout and has been included in the budget but was not included in any previously awarded trade package. These estimated costs are for revisions to the footings and foundations to support the circular structure at the Roof Park Level for a future glass-walled cylindrical “Drum Café”. This CCO request to the Cost Review Committee is for an NTE amount of \$250,000.

CR T-304 - Gantry Beams at Ground Level per ASI 121 - \$455,000

Trade Package TG07.2 subcontractor is requesting funds for the addition of upturned beams at the three electrical vault locations that were added in Architect’s Supplemental Instructions No. 121. These beams are for the support for future gantry to be used to access any of the three Lower Concourse electrical vaults from the ground level. A gantry is a structure with a platform supporting equipment such as a crane that will be used by the utility companies in the future to replace electrical equipment when needed. These beams were added by PG&E after construction documents were completed. This Change Request has been categorized as an Owner Requested Change since this was added scope. This CCO request to the Cost Review Committee is for an NTE amount of \$455,000.

COR - Built Up Slabs in Ground Level and Roof Level - \$1,000,000

Trade Package TG07.2 subcontractor is requesting funds for architectural sloping slabs and associated reinforcing not depicted or detailed on structural drawings or called out as TG07.2 scope of work. This change has been categorized as Errors & Omissions since the scope was not completely defined in the contract documents. This CCO request to the Cost Review Committee is for an NTE amount of \$1,000,000.

COR - Escalator Issues - \$280,000.00

Trade Package TG07.2 subcontractor is requesting funds for concrete support beams and revisions to the escalator pits. The contract drawings did not include support beams for certain escalators that were required due to the length of the trusses. Modifications were also needed to the escalator pits due to the

custom size of escalators. This change has been categorized as Errors & Omissions since the original scope was infeasible. This CCO request to the Cost Review Committee is for an NTE amount of \$280,000.

COR – Schedule Mitigation - \$1,000,000

Trade Package TG07.2 subcontractor is accelerating contract work by working overtime in order to maintain the schedule, which was impacted by structural steel and additional scope. The costs are for premium time and any extra materials necessary to accelerate. This will come from CM/GC Contingency per contract specifications. Currently, the schedule is being maintained at the contractual completion date. This change has been categorized as Schedule Mitigation. This CCO request to the Cost Review Committee is for an NTE amount of \$1,000,000.

TG08.6R – Metal Ceilings

CR T-207 - ASI 140 Drop-in Span Aluminum Enclosure, VE Item - \$450,000

The scope to be procured under this CR is due to acceptance of the value engineering design recognized in Trade Package 18.1, Bus Ramp, for a credit of \$1.5 million. The value engineering consisted of replacing an orthotropic concrete structure with exposed steel beams. The value engineering change requires an aluminum enclosure to wrap the exposed steel at Frame 5 of the Bus Ramp. This CCO request to the Cost Review Committee is for an NTE amount of \$450,000.

CCO No. 309 – Procurement of the W2 and W3 head of wall assembly - \$250,000

The scope to be procured under this CCO is part of the original buyout and has been included in the budget but was not included in any previously awarded trade package. Trade Package TG08.6R subcontractor is providing all labor, material, and equipment to design, furnish and install the head of wall draft stop metal panel system above glazing systems W-2 and W-3. This change is due to a scope procurement scope shift. The TG13.2 subcontractor had originally provided cost for the Kingspan prefinished panel and associated products; however, this particular product presented Buy America issues. The TG08.6R subcontractor was able to price out the scope using custom metal panels and insulation in a design acceptable to the architect. This has resulted in an overall cost savings to the TJPA. While this CCO request to the Cost Review Committee is for an NTE amount of \$250,000, the credit change order processed for TG13.2 was \$358,625.

TG10.2 – Plumbing

COR 311301 – Connection to Sewer Mains per RFI T-5029 - \$450,000

The scope to be procured under this COR is part of the original buyout and has been included in the budget but was not included in any previously awarded trade package. Trade Package TG10.2 subcontractor is providing additional labor and materials to install Wye Fittings at fourteen locations. Due to the existing piping and connection tolerances, the lateral connections were revised to custom Wye fittings which allowed for added connection point flexibility. This change includes additional material and labor cost of the VCP Wye fittings and Baker Couplings, the difference between trench shoring type and larger box shoring method for weekend work. This CCO request to the Cost Review Committee is for an NTE amount of \$450,000.

TG10.3 – Mechanical/HVAC

CCO No. 0304 - Roof Park scope, Heat Pump Changes, & Duct Reroute per ASI 128 - \$118,000 (City-Financed)

Trade Package TG10.3 subcontractor is providing all labor, material, and equipment to add/relocate heat pumps, tie-in to prefabricated booths, complete roof level HVAC work, add exhaust grills, relocate thermostats, and re-route duct throughout the building. The Rooftop Park mechanical scope of work was removed prior to the TG10.3 bid process and was not part of the awarded package due to budget concerns at the time. It was subsequently added back via ASI 128 when the budgetary issues were resolved. This Change Request has been categorized as an Owner Requested Change since scope was revised. This CCO request to the Cost Review Committee is for an NTE amount of \$118,000.

TG13.1 – Landscaping and Irrigation (City-Financed)

CR T-185 - Landscape Changes per ASI 138 - \$420,000

CR T-185 includes material, equipment and labor for changes made to the roof park after TG13.1 was bid. Six species on the tree planting schedule (L-0006 and L-0007) were altered, resulting in a net two additional trees—the CCO will include the cost for 8 additional RS48 trees, and credits will be issued for the deleted trees. Also included in ASI 138 are alterations to the bus fountain pre-cast module weld plates due to blast calculations—rather than one embedment stud for the glass handrail attachments embedded 6” into the precast concrete module, the weld plate anchor was redesigned to two 17” bar anchors. The thickness of the end unit precast module was increased from 9” to 1’8” to accommodate the updated weld plate, and the concrete masonry unit support wall beneath the end unit precast modules was altered to conform to the new width of the module. This Change Request has been categorized as an Owner Requested Change since scope was revised. This CCO request to the Cost Review Committee is for an NTE amount of \$420,000.

CR T-172 - Landscape Changes per ASI 137 - \$20,000

ASI 137 updated drawings to include pipe and associated fittings at stair 601, roof park earth mound. The change added 60 linear feet (lf) of solid 4” drainpipe, 160 lf of perforated 4” drainpipe, and additional catch basins and drain cleanouts. Also included with ASI 137 are restaurant-area planting updates and clarifications to the planting schedule. This Change Request has been categorized as an Owner Requested Change since scope was revised. This CCO request to the Cost Review Committee is for an NTE amount of \$20,000.

The status of changes previously approved by the CRC is noted in the attached Changes Log.

Notices to Proceed or Budget Appropriations for Construction anticipated to utilize City Financing

<i>Trade Package or Scope</i>	<i>Amount</i>	<i>Timing</i>
TG07.6 Concrete Topping Slabs/Crash Rails/Expansion Joints	\$3,234,378	March 2017
TG10.4 Electrical, Communications, Security & Integrated Networks	\$42,506,799	March 2017
TG13.1 Roof Park Landscaping & Irrigation	\$30,172,320	March 2017
TG16.0 Interiors/Finishes	\$15,725,480	March 2017
TG27.2 PSIM & ECS/MNS	\$6,000,000	March 2017
Transit Center Design Team Construction Administration	\$2,500,000	1Q/2Q 2017
SFMTA Bus Storage-related Design	\$250,000	1Q/2Q 2017

Bus Storage Design Team Construction Administration	\$425,000	Mar-Apr 2017
Bus Storage Construction	\$20,020,000	Mar-Apr 2017
Bus Storage Labor Compliance Software Licensing	\$8,000	Mar-Apr 2017
Bus Storage Permits, Fees & Inspections	\$200,000	Mar-Apr 2017
Artwork Construction, including Jenny Holzer agmt w/SFAC	\$1,000,000	Mar-Apr 2017
<i>TOTAL</i>	<i>\$121,041,977</i>	

These notices to proceed represent authorization of the balance of Phase 1 construction.

Agenda Item #8 - Construction Amendments and Changes Log

2/14/2017										
Trade Package	CCO/CR No.	Total Value	Date submitted to CRC	Date No Exceptions Taken by CRC	Amount No Exceptions Taken by CRC	CCO Final Approved Amount	CCO Category	Contingency Source	Fund Source	CCO Issue
7.2	CR T-304	\$455,000	2/6/2017				Owner Requested	TJPA	TIFIA	Gantry Beams at Ground Level above Transformer Vaults per ASI 121
10.3	CCO 304	\$118,000	2/6/2017				Owner Requested	TJPA	City Financing	Roof Park scope, Heat Pump Changes, & Duct Reroute per ASI 128
13.1	CR T-185	\$420,000	2/6/2017				Owner Requested	TJPA	City Financing	Landscape Changes per ASI 138
	CR T-172	\$20,000	2/6/2017				Owner Requested	TJPA	Saleforce Tower	Landscape Changes per ASI 137 at roof top park restaurant and Stair 601
7.6	COR 311367	\$260,000	11/7/2016	11/18/2017	\$260,000		Owner Requested	TJPA	TIFIA	Changes to the GL 35 Seismic Joints due to the OCS footing interrupting the joints and replacing the SJ cover with 1" steel plate.
7.2	COR 311361	\$750,000	11/7/2016	11/18/2017	\$750,000		Owner Requested	TJPA	TIFIA	Additional Wall Plates at Lower Concourse Walls
7.2	CCO 0269.1	\$325,000	8/22/2016	8/24/2016	\$325,000	\$254,308	Owner Requested	TJPA	Land Sales	Added plate to short curbs to support deformed bars per RFI T-3184 and added plates for tall curbs between Gridlines 10-20.
	COR 310608	\$400,000	8/22/2016	8/24/2016	\$400,000		Owner Requested	TJPA	TIFIA	Added embeds, blockouts and pour backs for curbs related to W2 system.
	CCO 0291	\$368,000	8/22/2016	8/24/2016	\$368,000	\$317,592	Owner Requested	TJPA	Land Sales	Install additional rebar, formwork and concrete for Partition walls at Lower Concourse per ASI 128.
	COR	\$1,000,000	8/22/2016	8/24/2016	\$1,000,000		Owner Requested	TJPA	TIFIA	Curb modifications due to W System interfaces to meet RVA and design build criteria.
7.6	CR T-172	\$694,000	8/22/2016	8/24/2016	\$694,000		Owner Requested	TJPA/Reimbursable	Saleforce Tower	Added seismic joint at Salesforce Tower Pedestrian Bridge per ASI 137.
7.2	COR	\$1,000,000	2/6/2017				Errors & Omissions	TJPA	TIFIA	Built Up Slabs in Ground Level and Roof Level
	COR	\$280,000	2/6/2017				Errors & Omissions	TJPA	TIFIA	Escalator Issues - Added Mid-Span Support
10.4	COR	\$2,300,000	11/7/2016	11/18/2017	\$2,300,000		Errors & Omissions	TJPA/CMGC	TIFIA	Hardened Conduit RFI T-3669
18.1	CCO 0290.1	\$736,000	8/22/2016	8/24/2016	\$736,000	\$691,702	Errors & Omissions	TJPA	Bridge Loan	Revisions to the Bus Ramp Cable Stay Hinge 8 Expansion Joint per ASI 150-015.
	CR B-046	\$475,000	8/22/2016	8/24/2016	\$475,000		Errors & Omissions	TJPA	TIFIA	Revisions to the Bus Ramp Cable Stay Hinge 9 Expansion Joint per ASI 150-016.
7.2	COR	\$1,000,000	2/6/2017				Schedule Mitigation	CMGC	TIFIA	Acceleration for Base Contract Work
	CR T-242	\$800,000	8/22/2016	8/24/2016	\$800,000		Schedule Mitigation	CMGC	TIFIA	Schedule Recovery for TG 7.2 scope, premium time only, using CM/GC Contingency per contract.
7.1	CCO 1043	\$425,000	2/14/2017				Skanska Settlement	CMGC	TIFIA	Seismic Upgrades to Access Trestle
	COR 310296.1	\$672,750	8/22/2016	8/24/2016	\$672,750		BBil Settlement	TJPA	TIFIA	Removal of Sand Inclusions in Bus Deck level cast node pads embedded beyond the typical depth of normal steel fabrication and deemed additional work.
4.2	COR 311819	\$2,800,000	2/6/2017				Scope Procurement	TJPA	TIFIA	Traction Power on Fremont and Beale Streets
7.2	COR	\$250,000	2/6/2017				Scope Procurement	TJPA	TIFIA	Drum Café Revisions
8.6R	CR T-207	\$450,000	2/6/2017				Scope Procurement	TJPA	TIFIA	ASI 140 Drop-in Span Aluminum Enclosure, VE Item
	CCO 309	\$250,000	2/6/2017				Scope Procurement	TJPA	City Financing	Procurement of the W2 and W3 head of wall assembly
10.2	COR 311301	\$450,000	2/6/2017				Scope Procurement	TJPA	TIFIA	Connection to Sewer Mains per RFI T-5029
10.4	CCO 0284	\$1,330,000	11/7/2016	11/18/2017	\$1,330,000		Scope Procurement	TJPA	TIFIA	Phase 1.5 ASI 144
7.2	COR 311087	\$445,000	11/7/2016	11/18/2017	\$445,000		Scope Procurement	CMGC	TIFIA	West Throat Vent Shaft Concrete
7.6	CCO 1035	\$330,000	8/22/2016	8/24/2016	\$330,000	\$307,144	Scope Procurement	CMGC	Land Sales	Installation of Mat Slab walls at water storage tank previously not procured.
8.11R	CR T-273	\$450,000	8/22/2016	8/24/2016	\$450,000		Scope Procurement	TJPA	TIFIA	Procurement of Glazing Door Hardware Package previously not procured.
10.2	CCO 0186	\$1,486,000	8/22/2016	8/24/2016	\$1,486,000	\$1,232,298	Scope Procurement	TJPA	Prop K	Revisions and additions to plumbing system per ASI 128.
10.4	CCO 0293.1	\$1,100,000	8/22/2016	8/24/2016	\$1,100,000	\$861,630	Scope Procurement	TJPA	TIFIA	Procurement of the pathway that supports the Emergency Response System per ASI 134.
13.2	CCO 0277	\$435,000	8/22/2016	8/24/2016	\$435,000	\$401,828	Scope Procurement	TJPA	Land Sales	Procurement and installation of the W2 Roof Trellis and Outriggers per ASI 128 and 138
16.8	CCO 0287	\$261,000	8/22/2016	8/24/2016	\$261,000	\$252,310	Scope Procurement	TJPA	Land Sales	Installation of the Rooftop Restaurant Fireproofing per ASI 128.
Totals		\$22,535,750								

New Construction Changes	
In Process (Presented to CRC)	
Approved	

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

Contingency Tracking through December 2016 (\$millions)

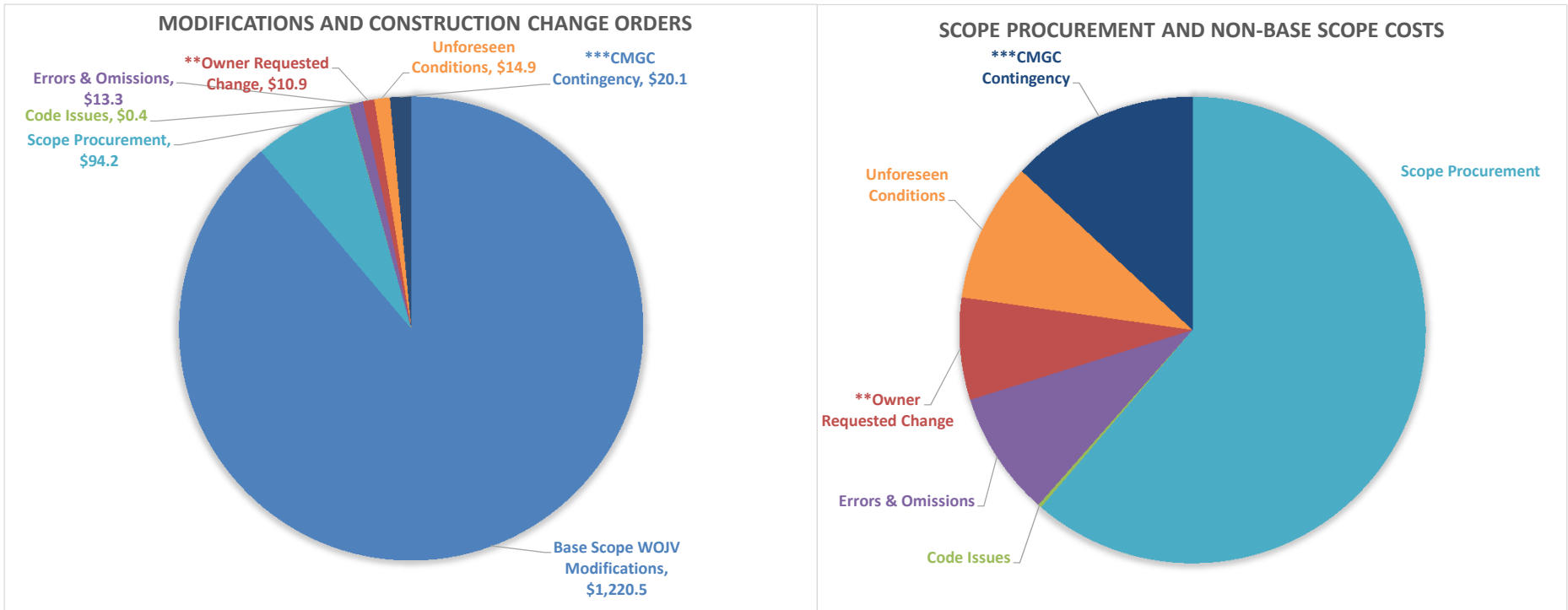
Baseline Budge Amounts
Contingency Usage Through Sep 2016
Remaining Baseline Budge Amounts (Sep 2016)
Total Draws/Adds Oct 2016
Remaining Balances

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budge Amounts	\$61.8	\$32.5	\$116.9	\$211.3
Contingency Usage Through Sep 2016	(\$15.0)	(\$1.3)	\$9.5	(\$6.8)
Remaining Baseline Budge Amounts (Sep 2016)	\$46.8	\$31.2	\$126.4	\$204.4
Total Draws/Adds Oct 2016	(\$0.5)	\$0.0	\$0.0	(\$0.5)
Remaining Balances	\$46.4	\$31.2	\$126.4	\$203.9

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

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

*Contract Sum to date (in Millions)	Base Scope WOJV Modifications	Scope Procurement	Code Issues	Errors & Omissions	**Owner Requested Change	Unforeseen Conditions	***CMGC Contingency	Total of Non-Base Scope Costs
\$1,374.3	\$1,220.5	\$94.2	\$0.4	\$13.3	\$10.9	\$14.9	\$20.1	\$59.6
	88.81%	6.86%	0.03%	0.97%	0.79%	1.08%	1.46%	4.34%



- * Contract Sum 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 2/1/17

AGENDA ITEM NO. 9

**TRANSIT CENTER
DISTRICT UPDATES
FROM PLANNING &
OCII**

**Transbay Transit Center Community Facilities District
Status of Development
February 2017 Update**

Property/ Address	Owner	Use	Units or Office SF	Original Estimated Completion	Current Forecasted Completion	Actual Completion	Current Status
Block 6	Golub	Residential	479	2016	2016	2016	Complete; TCO issued prior to 6/30/16
350 Mission	KR 350 Mission	Office	420,000 SF	2016	2016	2016	Construction Completed.
41 Tehama	Hines	Residential	403 DU	2016	4Q 2017	TBD	Under construction; completion estimated 2017
Block 1	Tishman Speyer	Residential	391	1Q 2020	1Q 2020	TBD	Approved, begin construction 1Q 2017, Complete 1Q 2020
Block 5	Golub/John Buck Co	Office	767,000 SF	1Q 2019	1Q 2019	TBD	Under construction; completion estimate 1Q 2019
Block 9	TMG/Essex/Bridge	Residential	545	1Q 2019	1Q 2019	TBD	Under construction; completion estimate 1Q 2019
181 Fremont	Jay Paul Co	Ofc/Res	Ofc: 404,000 SF Res: 74 DU	2017	4Q 2017	TBD	Under construction; completion estimated 2017
Salesforce Tower	Boston Properties/Hines	Office	420,000 SF	2017	2Q 2017	TBD	Under construction; completion estimated 2017
Block 8	Related Co/TNDC	Residential	548	1Q 2020	1Q 2020	TBD	Under construction; completion estimated 1Q 2020
Parcel F	Hines	Ofc/Res/Hotel	Ofc: 286,900 SF Res: 200 DU Hotel: 225-250 Rms; 237,150 SF	2023	4 Q 2023	TBD	TJPA contractor use reserved until Dec. 2016
Block 4	Option for Hines to buy	Residential	Est. 500	2022	2022	TBD	Northern portion of Temporary Terminal. OCII Commission Approvals process underway.
75 Howard	Paramount	Residential	122	2019	4Q 2019	TBD	Site permit review
524 Howard	Crescent Heights	Residential	334	2019	4Q 2019	TBD	
555 Howard	SKS, Pacific Eagle	Res / Hotel	Res: 80 DU Hotel: 255 Rms; 213,000 SF;	2021	4Q 2020	TBD	Environmental Review; Planning Commission Scheduled: March 2, 2017
50 1 st Street	Oceanwide	Ofc/Res/Hotel	Ofc: 790,236 sf Res: 265 DU Hotel: 245,895 sf	2021	3Q 2021	TBD	Site permit review; demolition has commenced