



Construction Update

April 2016

Transbay Transit Center





Western Zone Gridlines 1 to 10

Central Zone Gridlines 10 to 20

Eastern Zone Gridlines 20 to 35

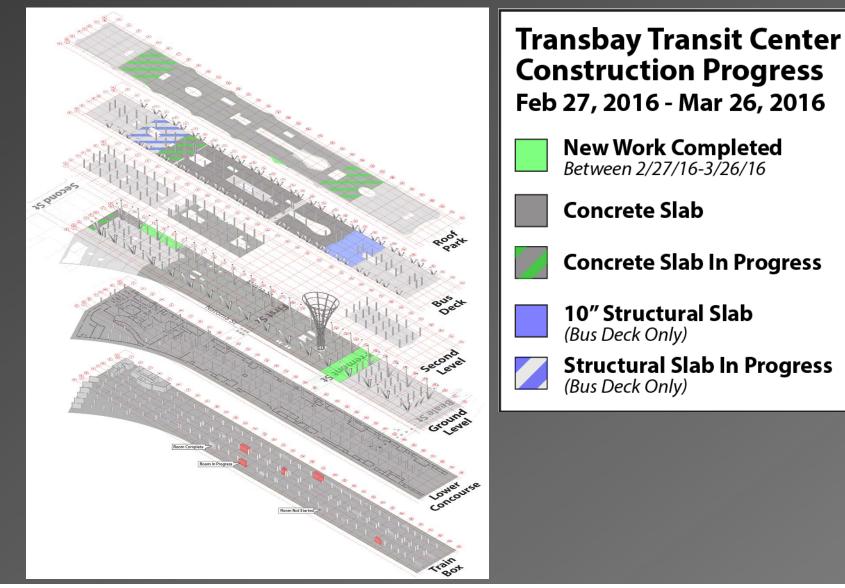


Project Overview

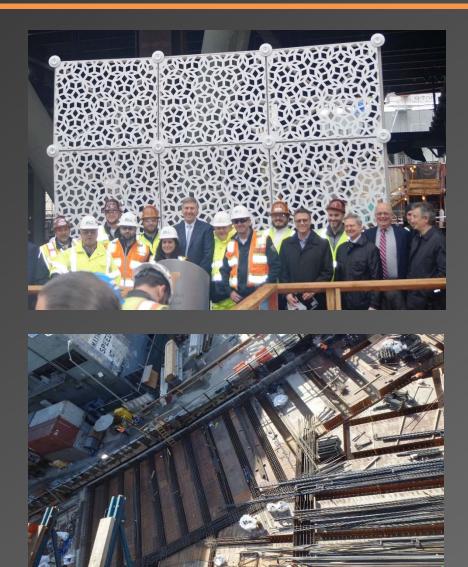
- 1. Recent Activity
- 2. Upcoming Activity
- 3. Safety & Labor Statistics
- 4. Budget Overview
- 5. Contingency Cost
- 6. Schedule
- 7. Challenges



Transit Center







Western Zone (GL 1-10)

- Unveiling of the exterior Awning on March 7th.
- Structural Concrete pours for the north Trainbox lid (Eyebrow) were completed on March 17th.
- Rebar and concrete placement for the southwest part of the Trainbox lid and upper decks continues.
- The concrete columns and upper walls for the Vehicle and Bicycle Ramps continues.
- Concrete foundations for Stair 201 (west end) continued.

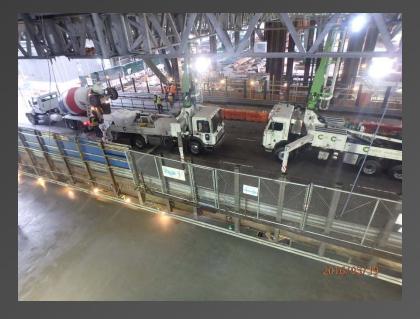


Central Zone (GL 10-20)

- Spray-Applied Fireproofing continues at all levels.
- Bus Deck crash rail completed.
- Mechanical, Electrical, Plumbing and Fire Sprinkler (MEPF) trades continue with piping and HVAC duct work at all levels.
- Waterproofing of the ground level slab has commenced.
- Stair installation continues (Six of twenty-four stairs complete.)
- Concrete curbs completed on ground floor.





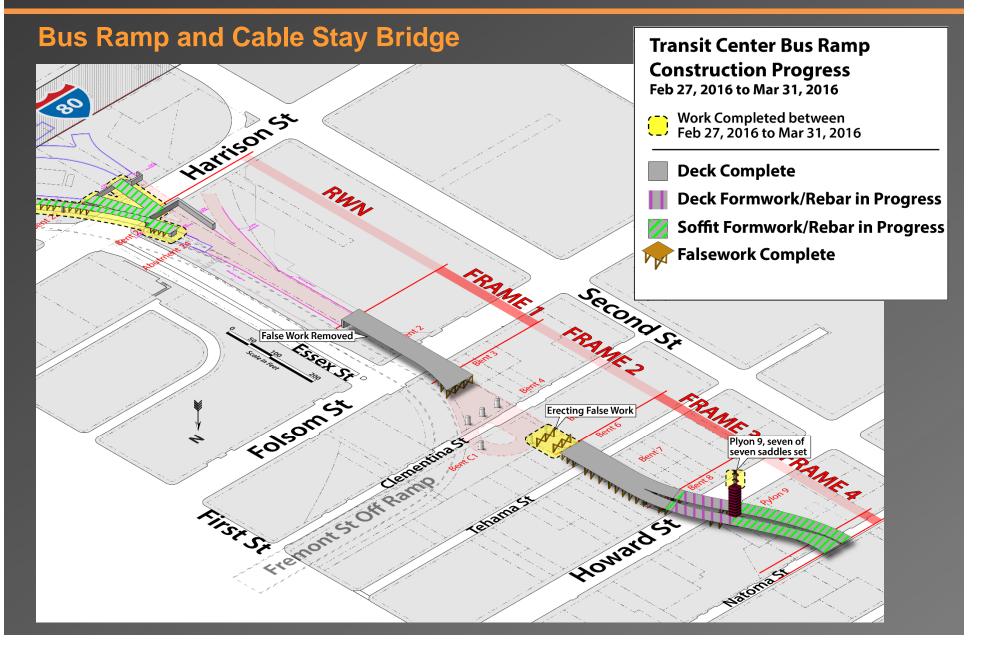




Eastern Zone (GL 20-35)

- Ground Level concrete slab (beneath Fremont Street) poured on March 28th.
- Last 4th lift wall pour was completed in the east on March 28th.
- Structural steel welding and bolting continues. Completion anticipated by end of April.
- Bus Deck crash rail rebar and concrete has commenced.
- Concrete pours for the decks on all levels including the roof perimeter and scallop walls are continuing.







Bus Ramp Bridge

- Harrison Street rebar and formwork continues for "Right Bridge".
- Abutment, MSE wall and retaining wall work continues.
- Reinforcing steel for the Cable Stay Bridge (including cable saddles and the formwork of Pylon 9 continues.
- Falsework removal over Folsom Street was completed.
- Falsework erection near Clementina St. including the bus turnaround continued in March.





Upcoming Activity





Central Zone

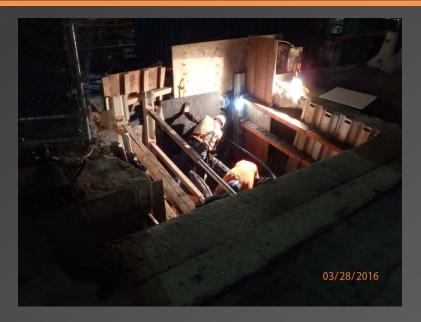
- Start W1 Exterior Awning and continue the framing installation.
- Continue with MEPF overhead.
- Start Bus Deck and continue Ground level waterproofing.
- Continue waterproofing of Ground Level slabs.

Eastern Zone

- Complete welding of all structural steel and installing metal decking by the end of April.
- Continue rebar placement and concrete deck pours all levels.
- Continue Bus Deck crash rail and rooftop walls



Upcoming Activity





Western Zone

- Continue rebar MEP sleeves and concrete placement on decks.
- Start spray-applied fireproofing.
- Start MEPF overhead rough-in.
- Start electric room wall rebar and concrete and waterproofing.
- Continue offsite utility vaults and ductbank.

Bus Ramp and Bridge

- Pylon 9 final concrete pour.
- Cable Stay Bridge deck south span concrete (Howard Street).
- Install falsework over the Clementina Street overcrossing.
- Install "Left Bridge" falsework over Harrison Street.



Safety and Labor Statistics

Recordable & Lost Time Incidents:

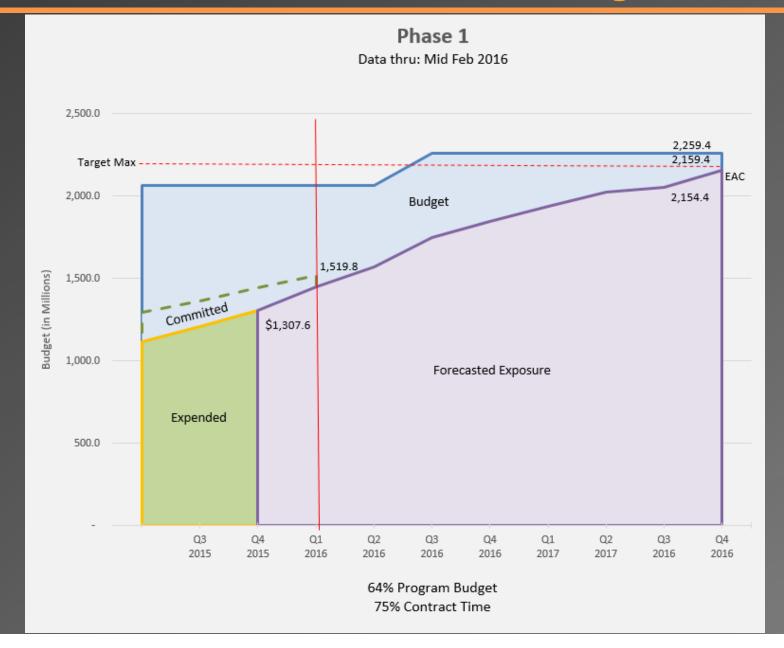
Recordable Incidents in March time period:	3	Lost Time Incidents in March time period:	0
Total Recordable Incidents in 2016:	3	Total Lost Time Incidents in 2016:	0
WOJV Average Recordable Incident Rate Through 2015	4.35	WOJV Average Lost Time Incident Rate Through 2015:	0.75
Nat'l./ State Average Recordable Incident Rate Through 2015:	3.43	Nat'l./ State Average Lost Time Incident Rate Through 2015:	1.85

Craft Hours:

Total Transit Center Craft Hours through March 2016:	Increase since last update:	Total 2016 Craft Hours:	
2,136,027	62,917	209,700	

Transbay Transit Center

Budget Overview





Contingency Tracking (*\$millions***)**

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budget Amounts (Nov 2015)	\$59.5	\$30.7	\$5.0	\$95.1
Contingency Usage Through Feb 2016	(\$9.8)	(\$0.1)	(\$1.1)	(\$11.0)
Remaining Baseline Budget Amounts (Feb 2016)	\$49.7	\$30.6	\$3.9	\$84.1
Total Draws/Adds Mar 2016	(\$2.1)	(\$0.1)	\$0.0	(\$2.2)
Remaining Balances	\$47.6	\$30.5	\$3.9	\$81.9

Uses of Contingency this period

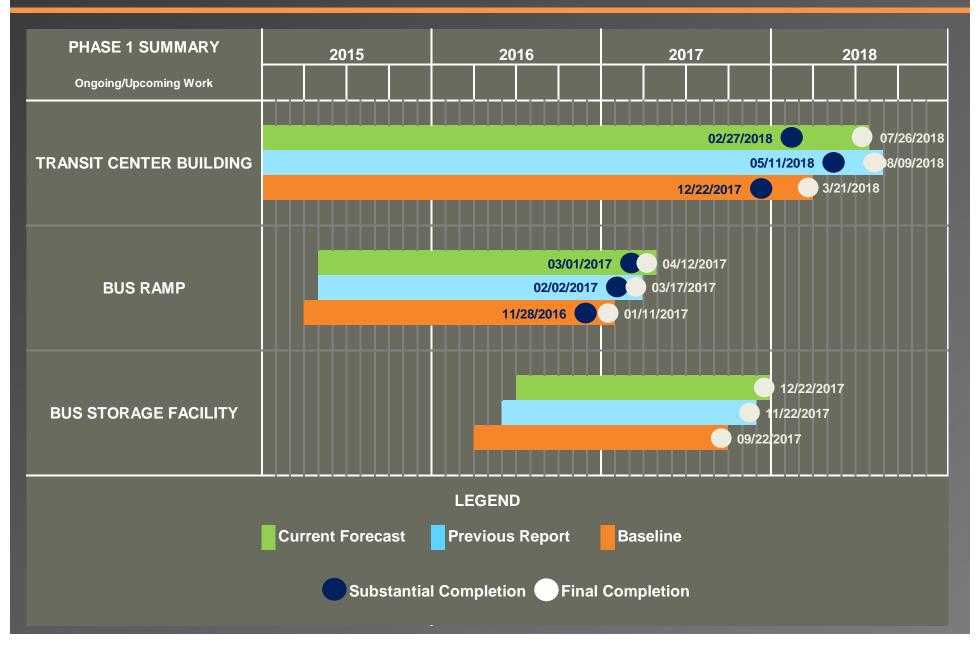
• Miscellaneous Topping Slab, Miscellaneous Metals, and other minor Change Orders to various Trade Packages.

Forecasted Contingency Use

- CM/GC: \$0.2
- Construction: \$1.1
- Program Reserve: \$0

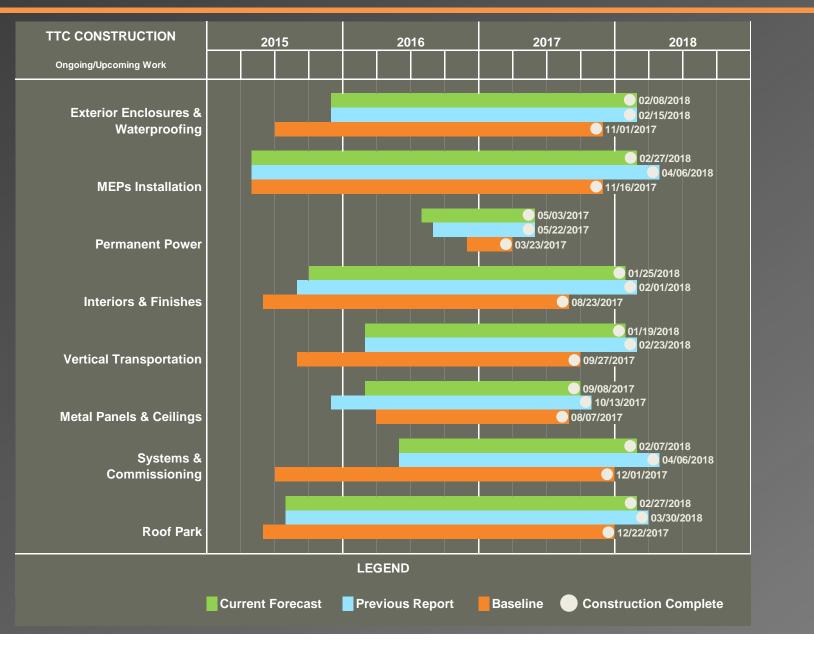


Schedule





Schedule





Challenges

<u>Schedule</u>

Contractor forecast shows 3 month mitigation since last report.

Mitigation Update

- 1. Strategic overtime work continues.
- 2. Early focus on commissioning and close out processes continues.
- 3. Added emphasis on Submittal review and approvals.
- 4. CM/GC engagement of subcontractors for schedule forecasting refinement on-going.

Buy America

Compliance efforts.

Mitigation Update

- Subcontractors advanced many RFI's on Buy America Compliance most of which resolved by clarification rather than modification.
- 2. Items Resolved
 - Light Fixtures
 - Roof Top Park Paving
- 3. Items Nearly Resolved
 - BMCS and Fire Alarm



Challenges

Multi-Trade Influx Onsite

Expected onboarding of many more Trades require sharpened processes.

Mitigation Update

- 1. Restructured Leadership Team meetings have been effective in resolving elevated issues.
- 2. Streamlined TJPA design and construction teams processes with added in-field design personnel appears to have reduced protracted issue resolution.

Potential Claims

To date all potential claims submitted to date have been rejected by CM/GC and CMO, lacking merit.

Resolution Update

- Active review of issues with TJPA and CM/GC legal representatives continues with planned continual Board briefings in upcoming months.
- 2. Dispute Resolution Advisor (DRA) agreement circulated for signatures and scheduling.



Challenges

Change Management

AC Transit request for Bus Deck Reconfiguration.

Mitigation Strategy

- Requested and Received specific design criteria from AC Transit which is being studied by Design Team to minimize potential impacts.
- 2. Encouraging operational resolution to an operational challenge rather than defaulting to an architectural change.
- 3. CM/GC advancing work as bought out as not to affect current work flow or schedule.



Questions

