



Construction Update

April 2017

Transbay Transit Center

TJPA





Transbay Transit Center

Project Overview

Western Zone
Gridlines 1 to 10

Central Zone
Gridlines 10 to 20

Eastern Zone
Gridlines 20 to 35



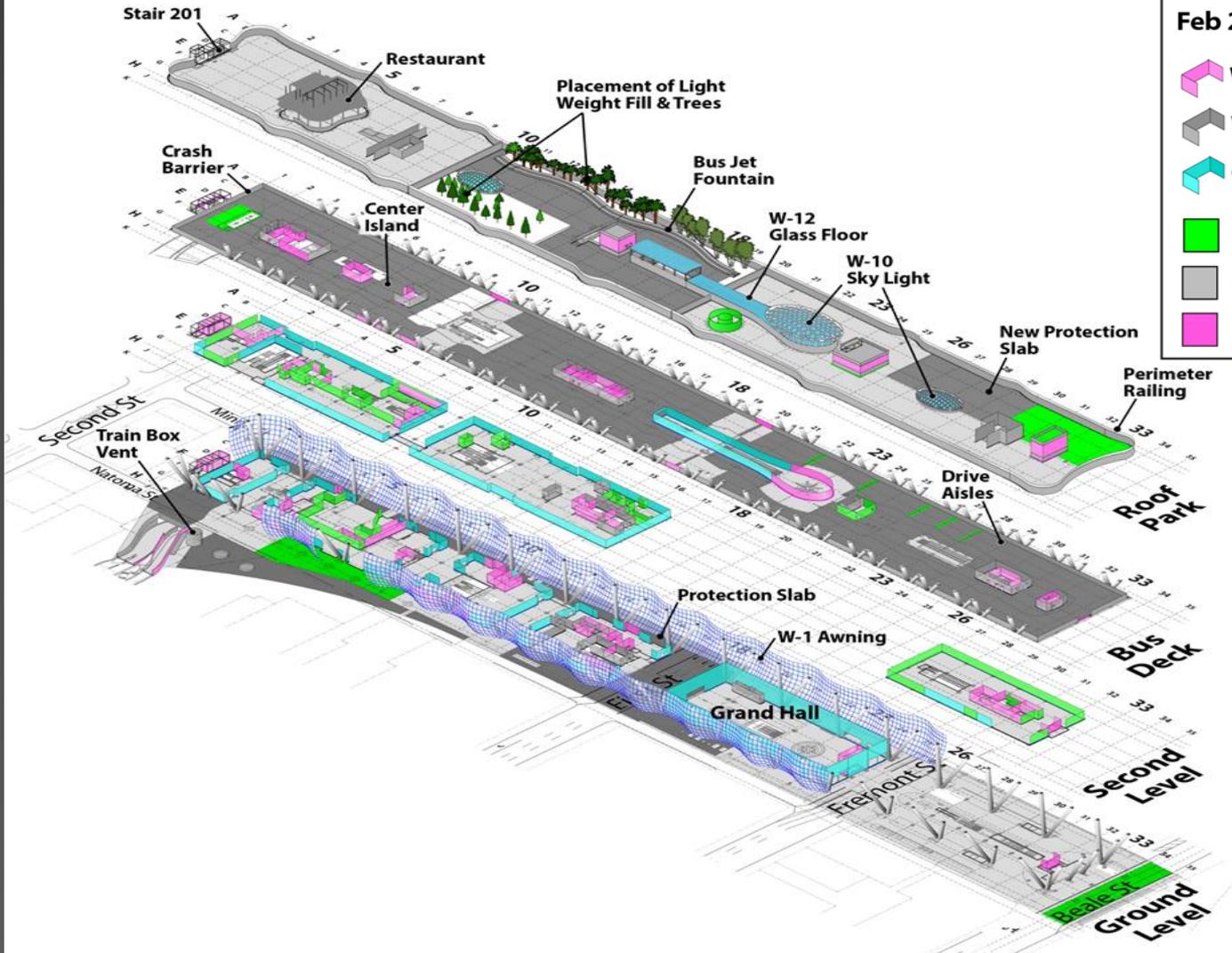
1. Construction Activity
2. Safety & Labor Statistics
3. Budget Overview
4. Contingency Cost
5. Schedule
6. Risks/Operational Readiness



Transit Center – Upper Levels and Roof Park

Transbay Transit Center
Construction Progress
Feb 24, 2017 - March 30, 2017

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

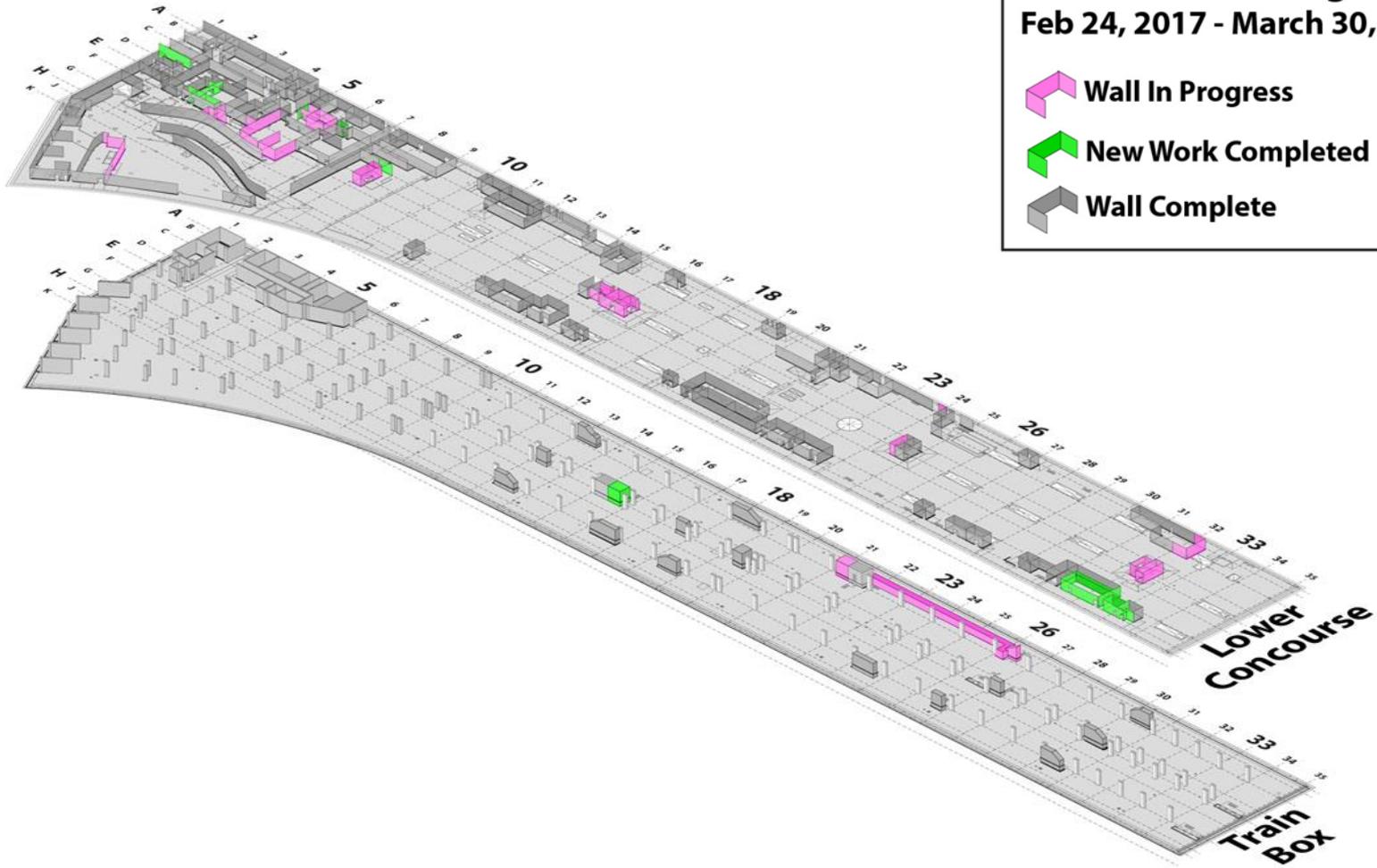




Transit Center- Trainbox Lower Levels

**Transbay Transit Center
Construction Progress
Feb 24, 2017 - March 30, 2017**

-  Wall In Progress
-  New Work Completed
-  Wall Complete





Western Zone (GL 1-10)

- Electric switchgear and transformer rooms near completion.
- Buildout of equipment rooms in progress. (Fire water tanks, Pumps, HVAC Units)
- Escalator and Elevator construction is well underway in all zones.
- Mechanical/Electrical/Plumbing/Fire Sprinkler (MEPF) install continues.
- Concrete Masonry Unit wall installation and door frames nearing completion.
- Rooftop waterproofing underway in the western zone.
- W1 Exterior Awning is in progress adjacent to the Bus Ramp and Stair 201.
- Wall framing, gypsum board, and Glass Curtain Wall systems continues.



Central Zone (GL 10-20)

- Rooftop landscaping and fountain is underway.
- Rooftop glass canopy over escalator 407/408 glazing nearing completion.
- Rooftop and Bus Deck seismic joint assembly/ install is in progress.
- Glass Curtain Wall systems install at the Bus Deck level and Ground level are nearing completion.
- Wall framing, gypsum board and metal wall panel install in progress.
- Elevator 403/404 is now in service for construction use.
- Mechanical/Electrical/Plumbing/Fire Sprinkler (MEPF) install continues.
- Buildout of Main electric room, switchgear rooms and transformer rooms continues.





Eastern Zone (GL 20-35)

- Rooftop Café concrete walls are complete.
- Rooftop Light Column “Oculus” Skylight W4 Glass Curtain wall is now complete.
- Rooftop waterproofing and slab protection continues.
- W1 Exterior Awning installation continues.
- Bus Deck concrete drive aisle and pedestrian island near completion await bollards and scaffold removal.
- All levels now have metal stud framing of walls, gypsum board, curtain wall systems installation underway.
- MEPF systems installation and testing continues at all levels.



Beale Street Bridge Removal complete



SEQUENCE

1. Beale Street full closure Friday night March 4, 2017.
2. Bridge Demolition, underground utility work, OCS foundations and poles removed.
3. Beale Street backfill, compaction, curb and gutter and other Civil work.
4. OCS foundations and poles completed - coordinated with other Projects.
5. Transbay permanent OCS Poles and switches, OCS overhead wires installed.
6. Bus testing completed Friday night March 31, 2017.
7. Beale Street re-opened Saturday April 1, 2017

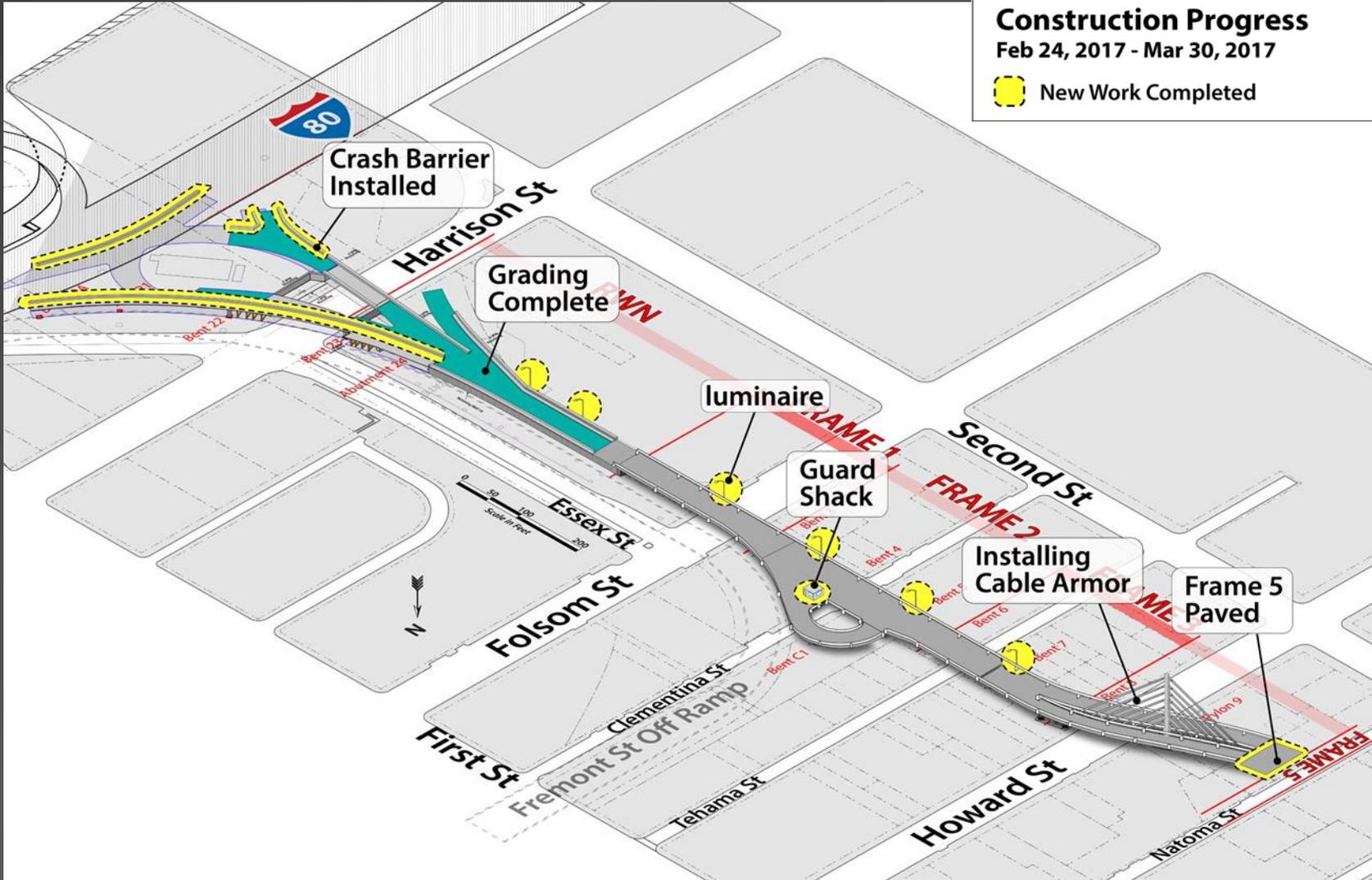


Bus Ramp and Cable Stay Bridge

Transit Center Bus Ramp Construction Progress

Feb 24, 2017 - Mar 30, 2017

 New Work Completed





Bus Ramp Bridge

- Bay Bridge and Transit Center have connectivity.
- Cable Stay Bridge contractor (VSL) is cutting and capping cables.
- Security Guard Booth wiring is in progress.
- Viaduct electrical utility work continues.
- Final approach slabs and final grading is now in progress at Harrison Street.
- Concrete barriers and final grading is now in progress near I-80 at Cal Trans/Sterling area.
- Earthwork final grading is now in progress between Harrison and Folsom Street.





Recordable & Lost Time Incidents:

Recordable Incidents this period – March 2017:	2	Lost Time Incidents this period – March 2017:	1
Total Recordable Incidents in 2017:	3	Total Lost Time Incidents in 2017:	1

WOJV Average Annual Recordable Incident Rate 2011 Through 2015	3.04	WOJV Average Annual Lost Time Incident Rate 2011 Through 2015:	0.38
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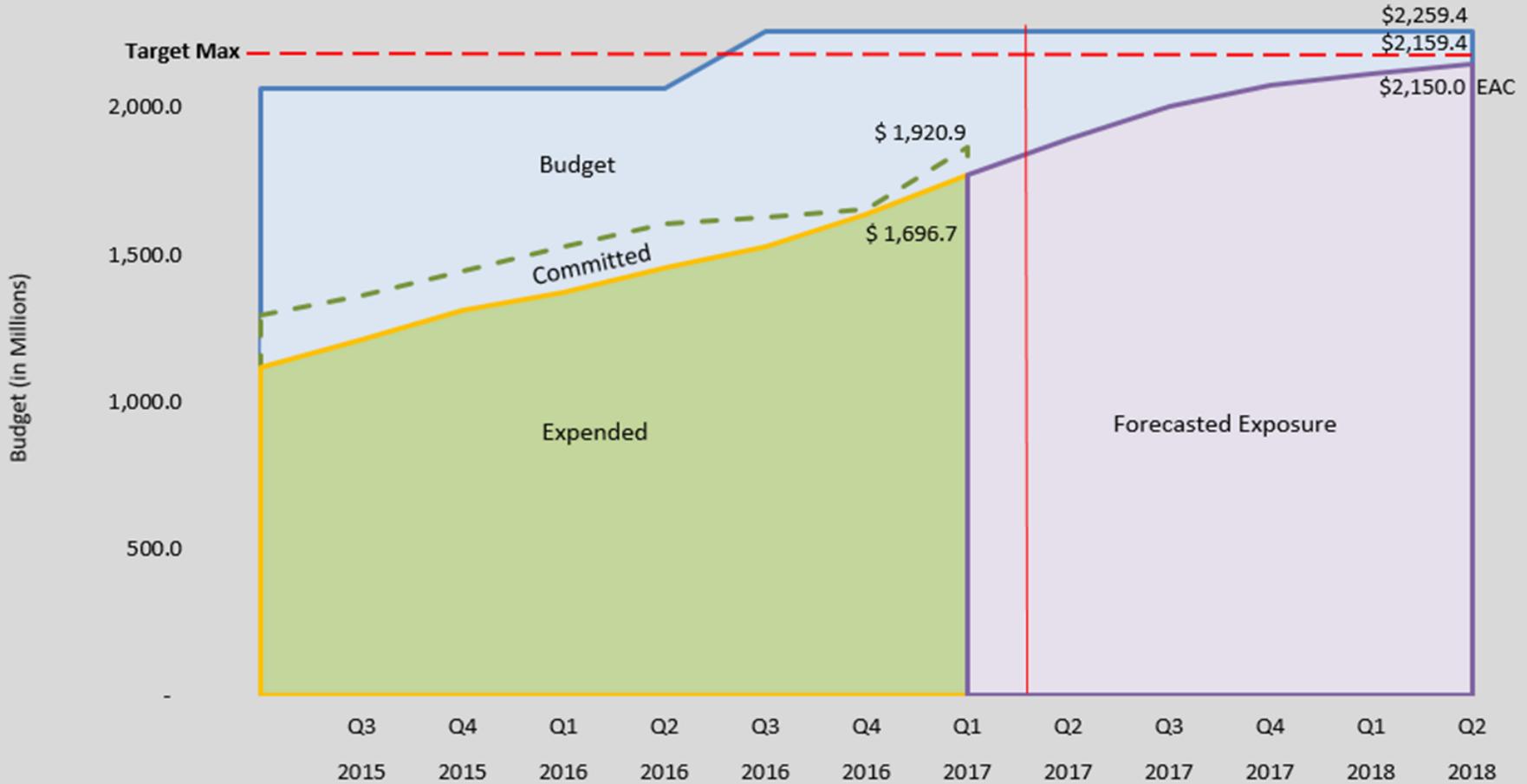
Nat'l/ State Annual Average Recordable Incident Rate 2011 Through 2015:	2.76	Nat'l/ State Annual Average Lost Time Incident Rate 2011 Through 2015:	1.36
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Craft Hours:

Total Transit Center Craft Hours Year 2011 - YTD 2017 :	Total Hours this Period – March 2017:	Total Transit Center Craft Hours YTD 2017 :
3,156,468	109,388	310,553



Phase 1
Transbay Transit Center
Data thru: February 17



75% Program Budget
89% Contract Time



Contingency Tracking (\$millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budget Amounts	\$61.8	\$32.5	\$116.9	\$211.3
Contingency Usage Through Feb 2017	(\$20.9)	(\$1.5)	\$9.5	(\$12.9)
Remaining Baseline Budget Amounts (Feb 2017)	\$40.9	\$31.0	\$126.4	\$198.3
Total Draws/Addds March 2017	(\$1.2)	(\$.5)	(\$4.4)	(\$6.1)
Remaining Balances	\$39.7	\$30.5	\$122.0	\$192.1

Uses of Contingency this period

TG07.2 Gantry Beam/Vent Stack changes, Misc. Changes to Superstructure, Civil and MEP trades.

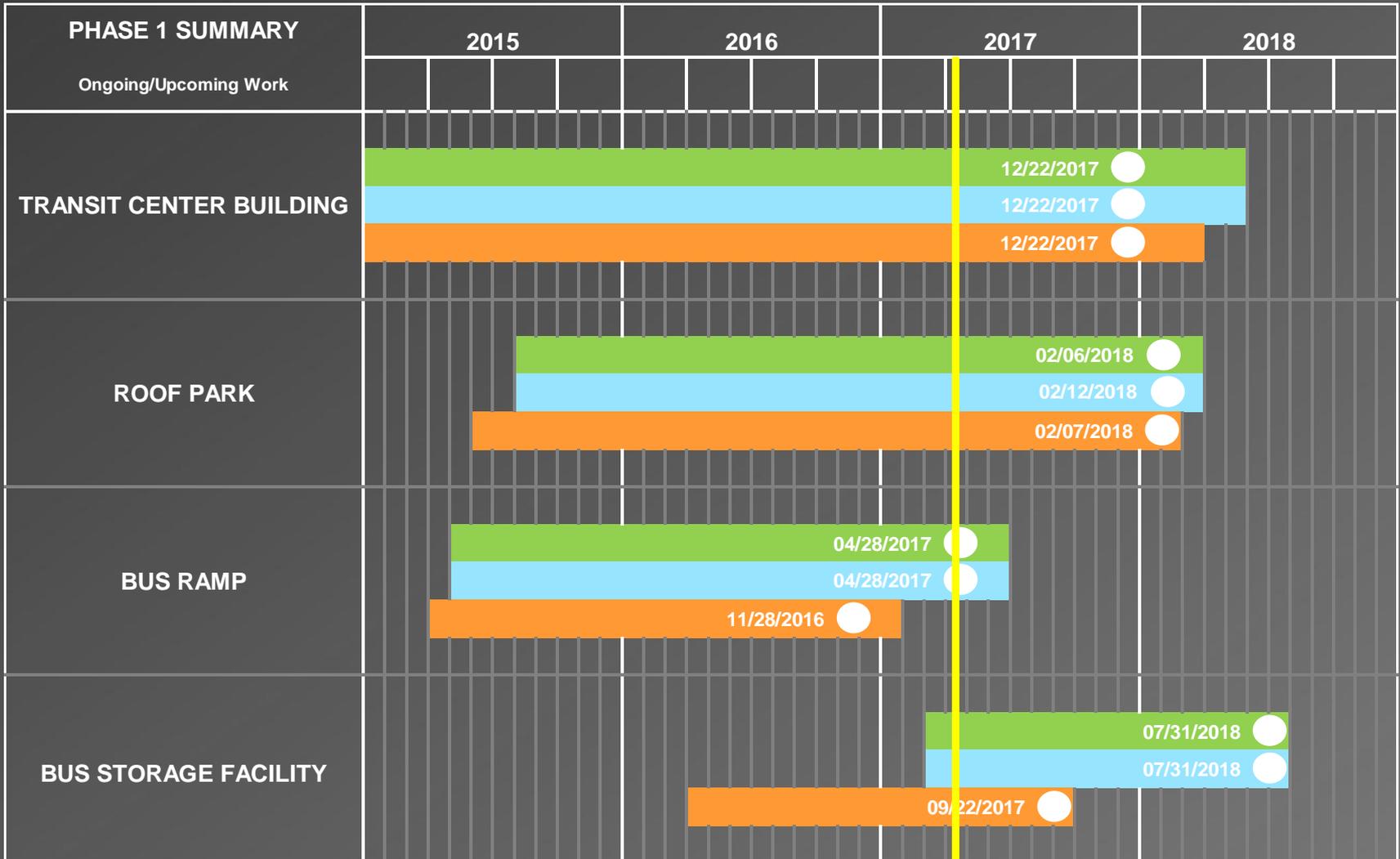
Program Reserve: Award of Bus Storage Facility/Caltrans Lease and PMPC Amendment

Forecasted Contingency Use

CM/GC: \$0.0

Construction: \$1.7

Program Reserve: \$0



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 Beale Temporary Bridge Removal Completed.
 - Planning for Fremont Street Temporary Bridge Removal better informed
 - Schedule Maintained
2. Project Leadership issue resolution forum continues to avoid delays.

Systems Installation & Commissioning

Building Management, Fire / Life Safety and Security Systems installation and commissioning activities will drive the schedule as we approach Substantial Completion.

Pre-Mitigation Strategy

1. Focus of Bimonthly Temporary Certificate of Occupancy (TCO) Meetings.
 - Activity Concentration on Priority Electrical and Data Rooms
 - Permanent Power to Power to Building
2. SFFD Fire Alarm Review and Approvals followed on Risk List closely.
3. Specific Items to monitor:
 - Roof Park Pylons relationship to Fire Alarm System as well as Emergency Communication System / Mass Notification
 - Door Hardware interface & coordination with Building Management Systems & Security Systems



Concerns

1. Asset Manager 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.
3. Establishment of Operational Budget & Plan
 - Security Staffing
 - Facility & Park Operations Staffing



Transition Update

- Final Transition Plan & Schedule now positioned to advance in full force:
 - Facility Manager – Hired and Begins April 17, 2017
 - Chief Security Officer – Hired and Begins April 17, 2017
 - Asset Manager –
 - Contracting approved by Board at March Meeting
 - Contracting and Planning Advancing
- Forecast for Full Transit Operations Remains:
 - AC Transit : March 2018
 - Muni : March 2018
 - Others : To be determined
- Primary Transition window remains in January & February 2018

Transition Update

- Weekly Stakeholder Transition Planning
 - Community Communications & Outreach
 - Bus Ramp Substantial Completion Event – May 18th
 - Agency Communication Groups planning meetings initiated
 - MOUs & Contracts
 - Draft leasing agreements advancing
 - Agency participation letters / term sheets distributed
 - Technology & Systems
 - Operational Staff and Procedure Planning

