

Construction Update

March 2018



Project Overview

Western Zone Grid Line 1-10

Central Zone Grid Line 10-20

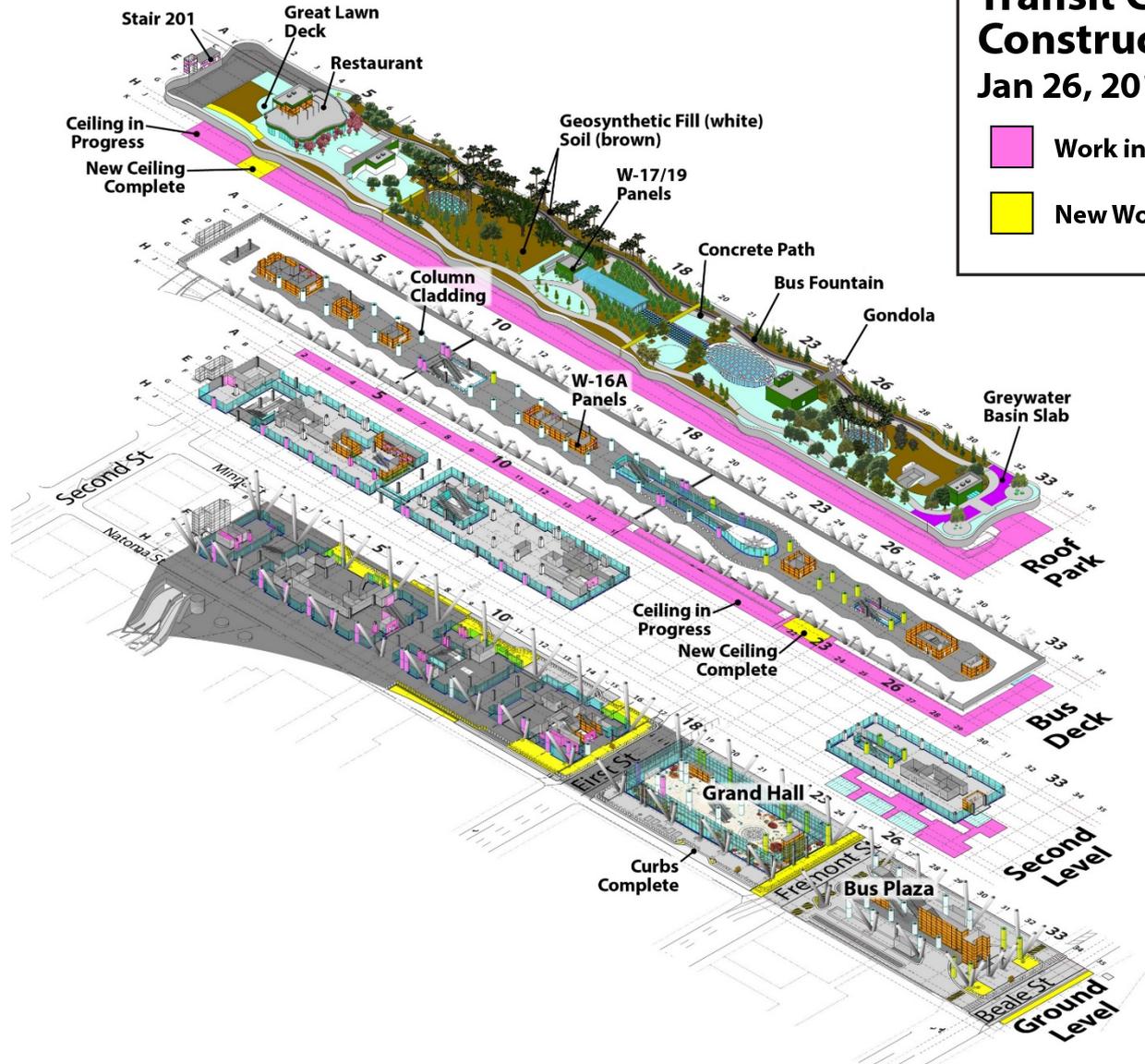
Eastern Zone Grid Line 20-35



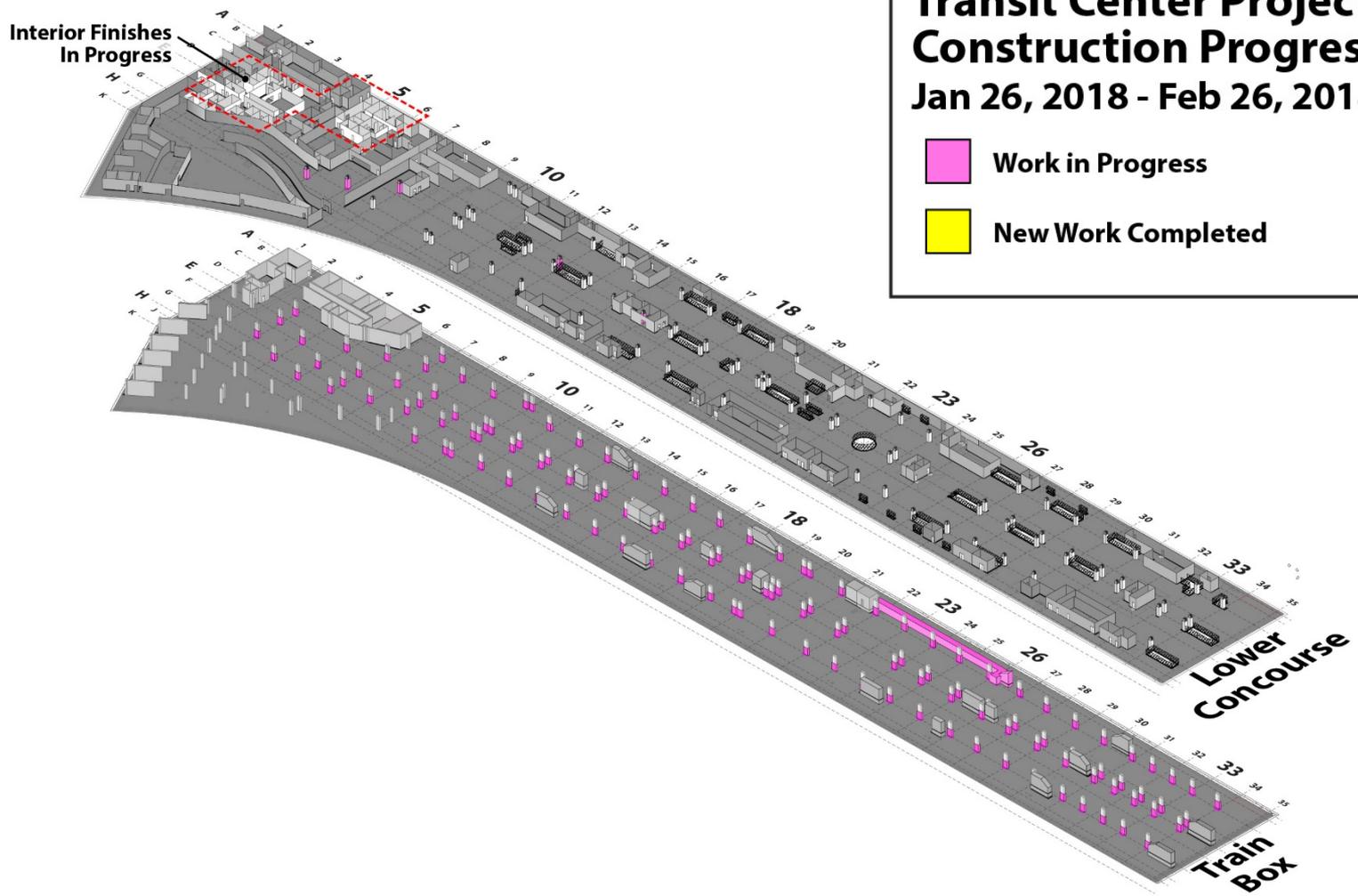
Recent Activity

Transit Center Project Construction Progress Jan 26, 2018 - Feb 26, 2018

- Work in Progress
- New Work Completed



Recent Activity



Construction Activity

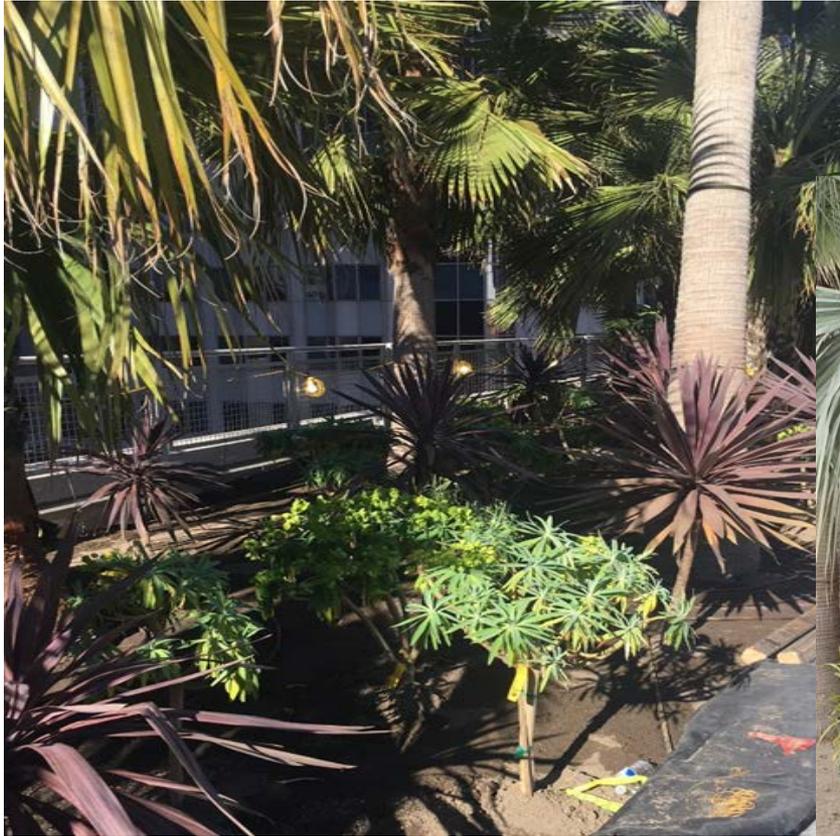
Transit Center – West End (GL1-20)

- Roof Amphitheatre construction underway.
- Rooftop landscaping small plants progress.
- Escalator canopy glass panels completed.
- Bus Deck Mechanical, Electrical, Plumbing near completion- including hydrotesting.
- Bus Deck column covers now complete.
- Bus Deck ceiling framing and fans in progress at passenger island.
- Bus Deck Metal wall panels now complete.
- Elevators and Escalators underway.
- Ground Level sidewalks and roadway construction of Minna and Natoma.
- Electrical conduits and power cable distribution continues.
- Main Distribution (MDF) and Intermediate Distribution Frame (IDF) Rooms underway.
- Equipment rooms buildout in progress.

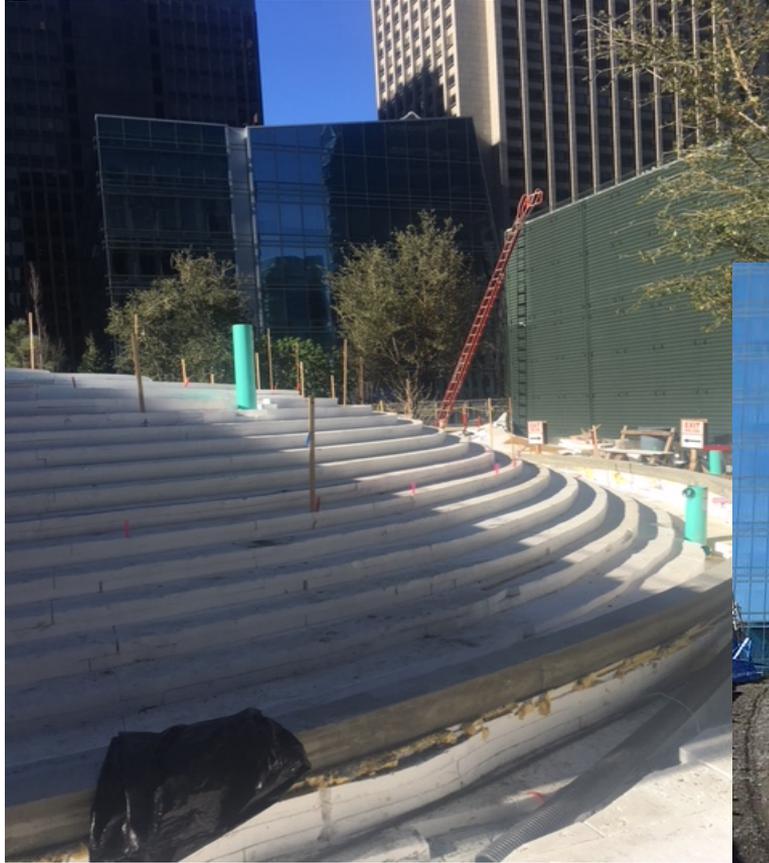
Transit Center – East End (GL20-35)

- Rooftop landscaping well underway.
- Rooftop wetlands basin ready for planting.
- Elevators and Escalators underway.
- Bus Deck Mechanical, Electrical, Plumbing near completion - including hydrotesting.
- Bus Deck column covers in progress.
- Bus Deck ceiling framing and fans in progress at passenger island.
- Bus Deck Metal wall panels in progress.
- Grand Hall sidewalks and roadway reconstruction of Natoma in progress.
- MUNI Bus Plaza drive aisle and pedestrian islands construction in progress.
- Electrical conduits and power cable distribution continues.
- Main Distribution (MDF) and Intermediate Distribution Frame (IDF) Rooms underway.
- Equipment rooms buildout in progress.

Rooftop Park –Landscaping



Rooftop Park –Landscaping



Eastern Zone landscaping mound
- before and after soils



Rooftop Park –Landscaping



Rooftop landscaping mound

Bus Jet Fountain progress



Bus Deck - Drive Aisle ceiling and wall panels installed – Western Zone



Bus Deck – Operator testing ongoing



AC Transit Bus Testing – including deployment of ADA ramps.

Construction progress – Central Zone

Natoma Street sidewalk, curb and gutter replacement- before and after.



Overhead progress – Cross Streets

Metal ceiling panel install at Fremont street.



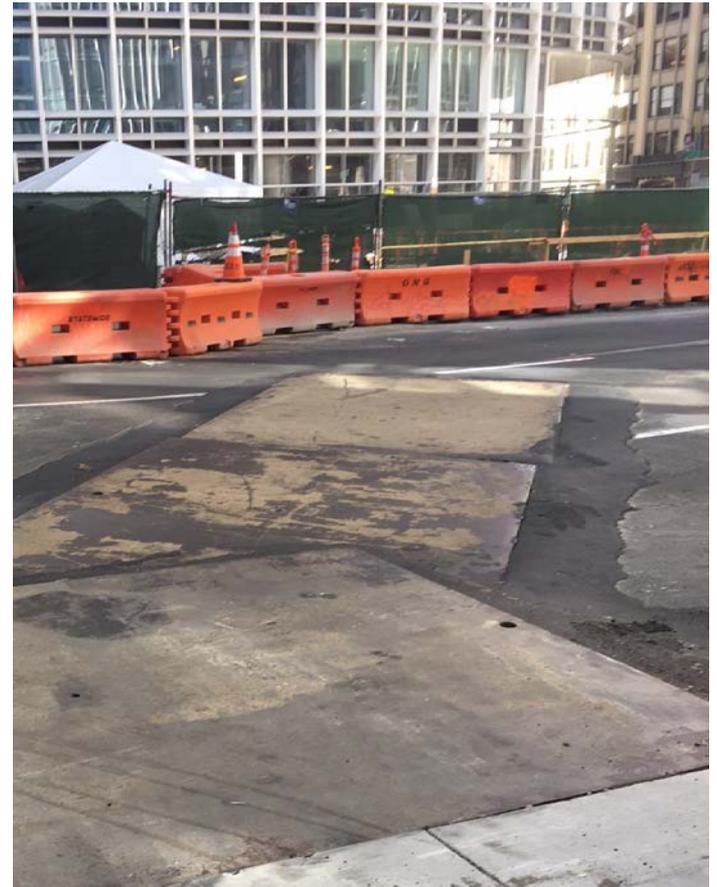
OCS Poles and Traffic Signal Poles:

- Mission Street is complete and rewiring in progress.
- Fremont, First, Beale and Howard Streets are 90% complete.



Construction progress –Eastern Zone

Muni Bus Plaza – South side progress



Muni Bus Plaza and Fremont Street storm drain connections

MUNI Bus Plaza – Operation



Fulton #5 Operating from the Muni plaza since December 26th.

System Start-Up and Testing in progress



Tenant Improvement Construction planning

Webcor Priority Room turnover to Lincoln Properties:

- Transit Center Mail Room #1380- Ground level.
- Greyhound Package Area Room #1221- Ground level.
- Greyhound [Amtrak] Passenger Waiting Area Room# 02220 – Level 2.
- Greyhound Passenger Service Room #3228 – Bus Deck level.
- Office Space - TJPA Offices Room # 02620- Level 2.

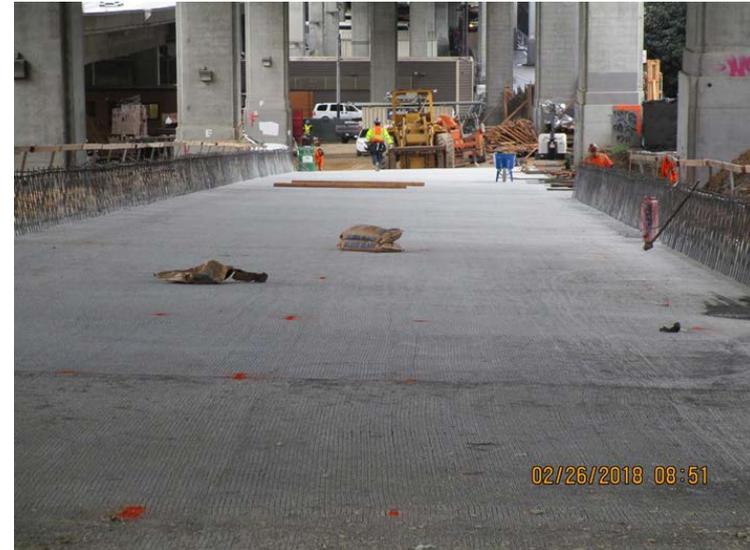
Lincoln Properties Room Buildout – Design Build:

- Architect is coordinating with Contractors for Design Build of HVAC and room buildout. MEP and architectural drawings to come.
- Room Turnover Work completion list and Punchlist coordination between Turner SPD and Webcor-Obayashi and Architects in progress.
- Outreach to SF Building Trades Council per PLA Project Labor Agreement completed.

Bus Storage Facility

Construction Progress

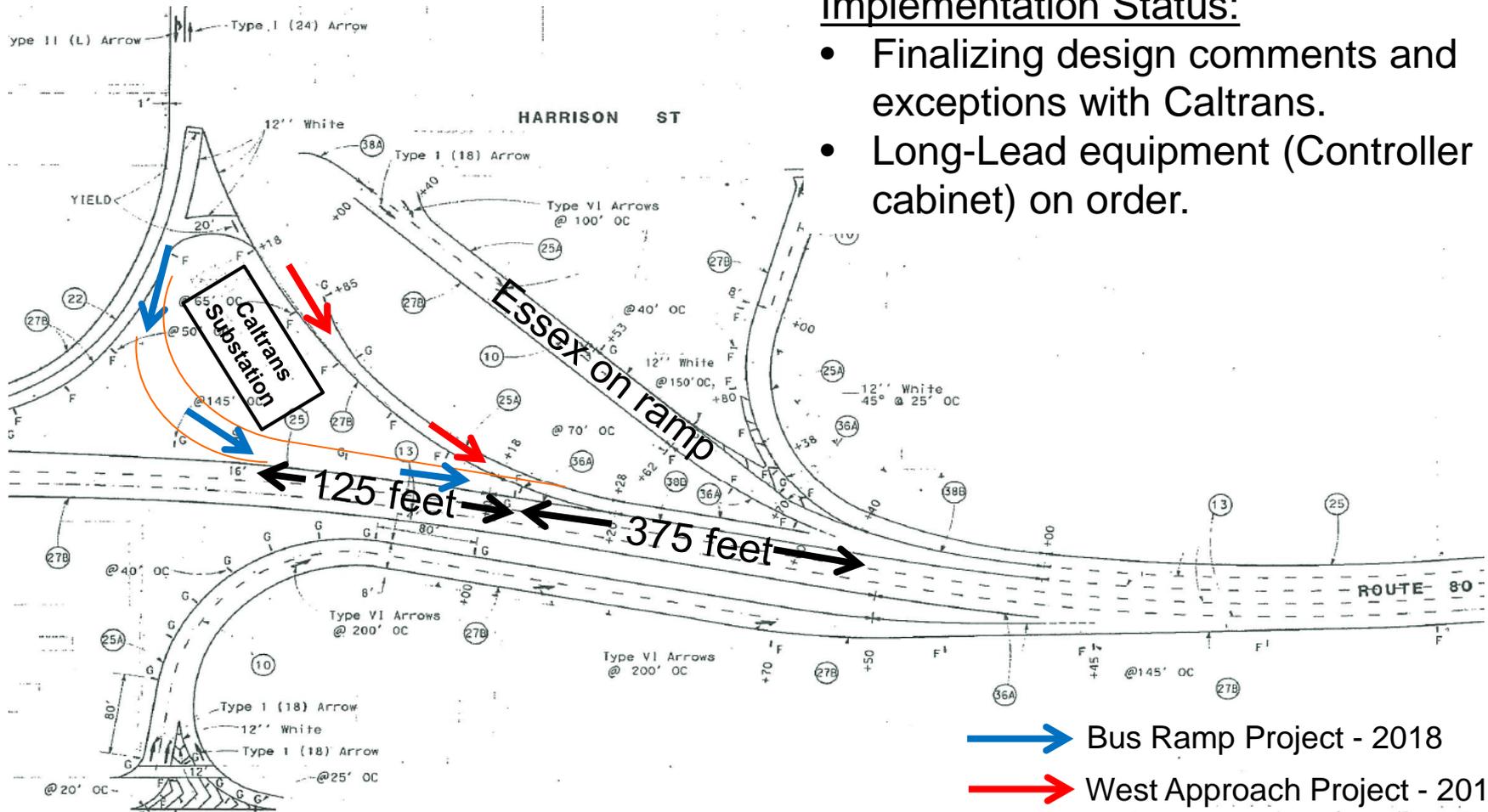
- Sound wall (noise attenuation) construction continues.
- Retaining Wall Rebar & concrete ongoing – 90% complete.
- MSE Mechanically Stabilized Earth walls in progress.
- Modular AC Transit Administration Building is under fabrication.



Bus On-Ramp Merge

Implementation Status:

- Finalizing design comments and exceptions with Caltrans.
- Long-Lead equipment (Controller cabinet) on order.



-  Bus Ramp Project - 2018
-  West Approach Project - 2010

Eastbound Bay Bridge Approach

Safety and Labor Statistics

Recordable & Lost Time Incidents:

WOJV Recordable Incidents this period February 2018:	0	WOJV Lost Time Incidents this period February 2018:	0
Total Recordable Incidents -Year 2018	0	Total Lost Time Incidents - Year 2018	0

WOJV Average Annual Recordable Incident Rate 2011 Through 2016	2.99	WOJV Average Annual Lost Time Incident Rate 2011 Through 2016:	0.33
Nat'l/ State Annual Average Recordable Incident Rate- Public Works 2011 Through 2016:	2.90	Nat'l/ State Annual Average Lost Time Incident Rate 2011 Through 2016:	1.36

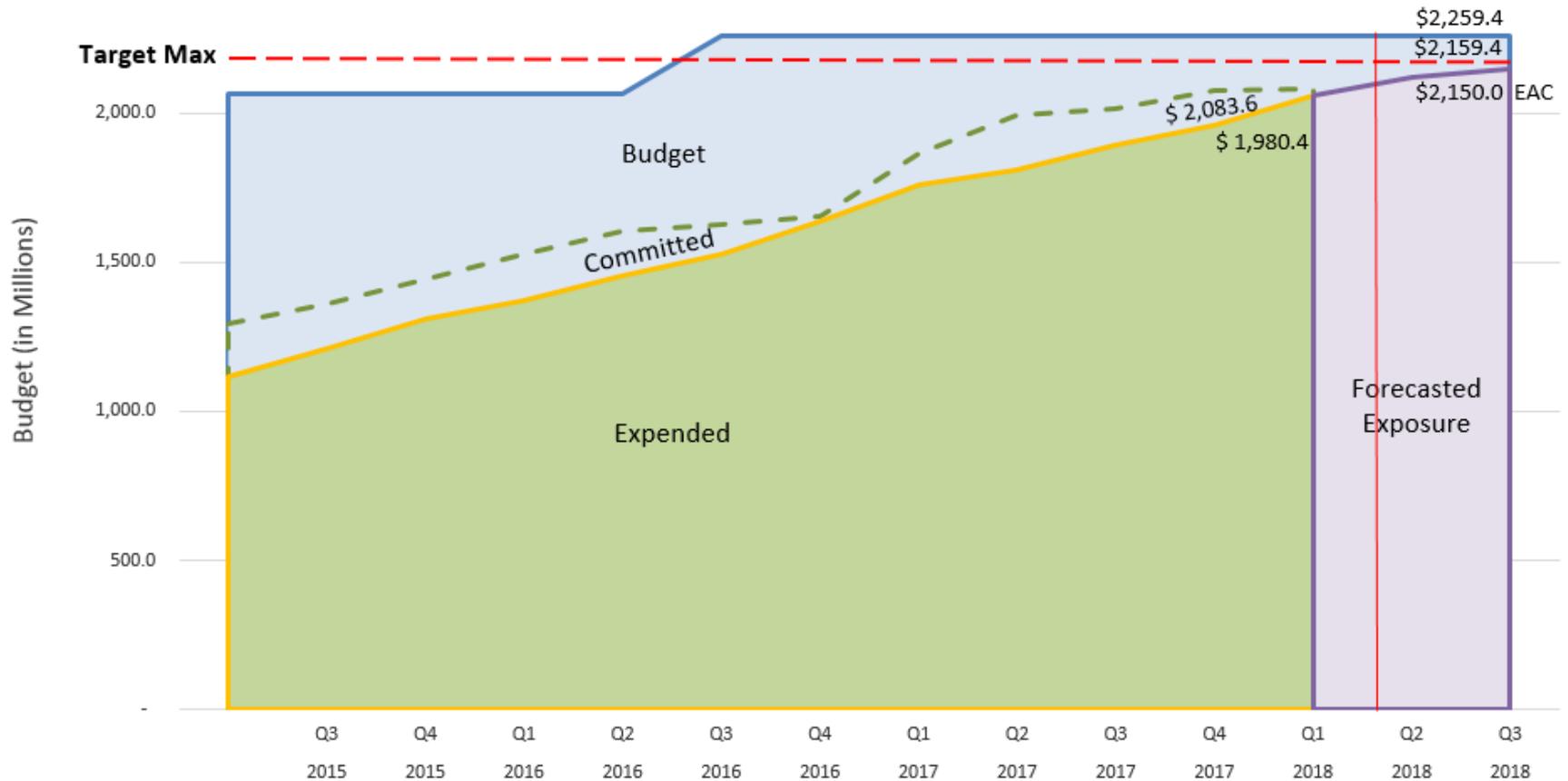
Craft Hours:

Total Transit Center Craft Hours 2011 - YTD 2018 :	Total Craft Hours <u>February 2018:</u>	Total Transit Center Craft Hours YTD 2018 :
4,747,947	164,145	265,637

Budget

Phase 1 - Transbay Program

Data thru: January '18



Contingency Cost

Contingency Tracking (\$millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
Baseline Budget Amounts	\$61.8	\$32.5	\$117.0	\$211.3
Contingency Usage Through Jan 2018	(\$42.8)	(\$4.6)	(\$24.0)	(\$71.4)
Remaining Baseline Budget Amounts (Dec 2017)	\$19.0	\$27.9	\$93.0	\$139.9
Total Draws/Adds February 2018	(\$2.8)	(\$0.9)	(\$2.2)	(\$5.9)
Remaining Balances	\$16.2	\$27.0	\$90.8	\$134.0

Uses of Contingency this period

Transit Center Building: ERRCS survivability, consolidated change requests, revisions to W systems, final closeout of TG3.0, Bus Ramp: modifications to Caltrans substation lot, Utility Relocation: OCS Fiberglass Panels at MUNI Bus Plaza; draw from program reserve for legal expenses. Bus Storage: off-haul/disposal price and quantity adjustment,

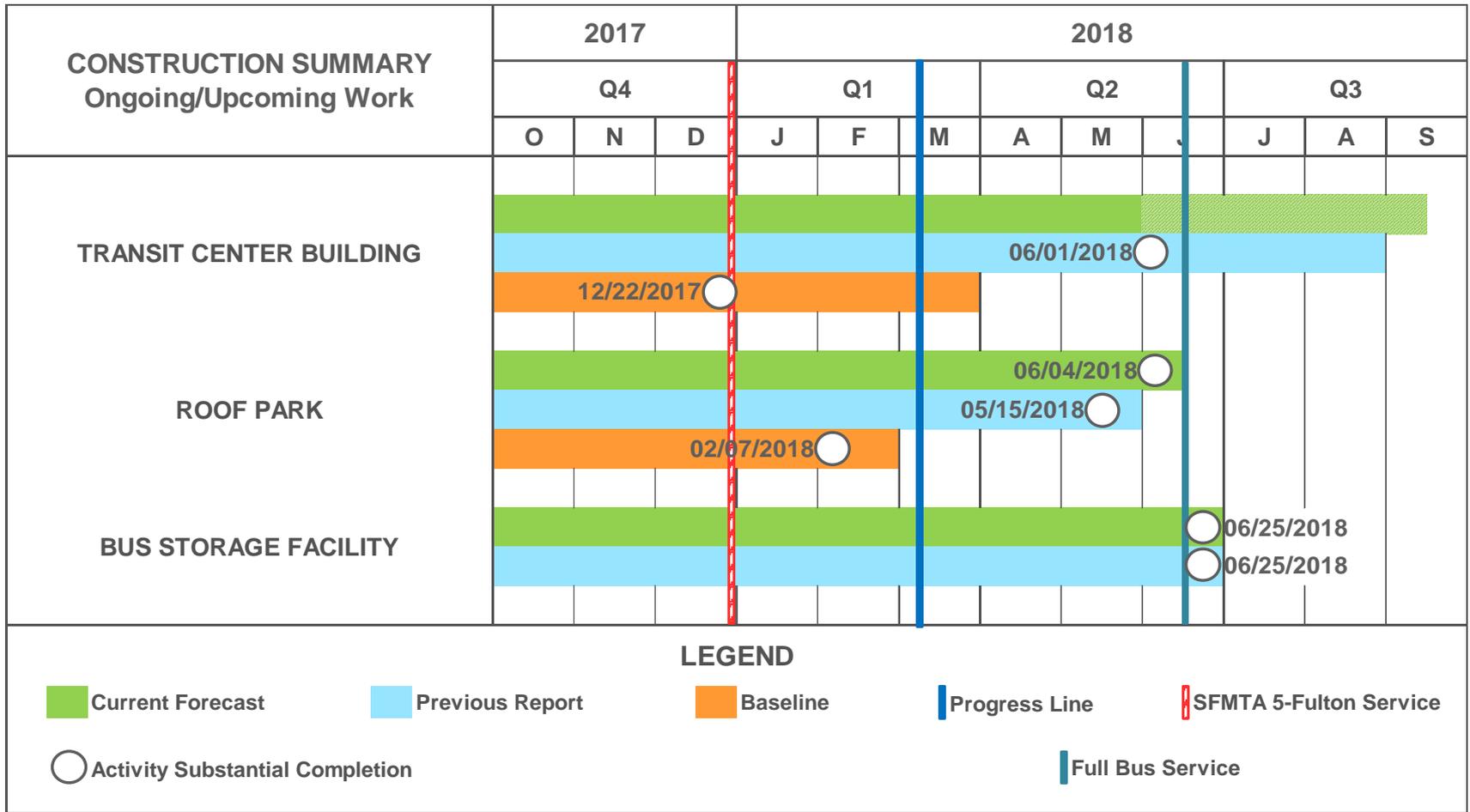
Forecasted Contingency Use

CM/GC: \$0.9M

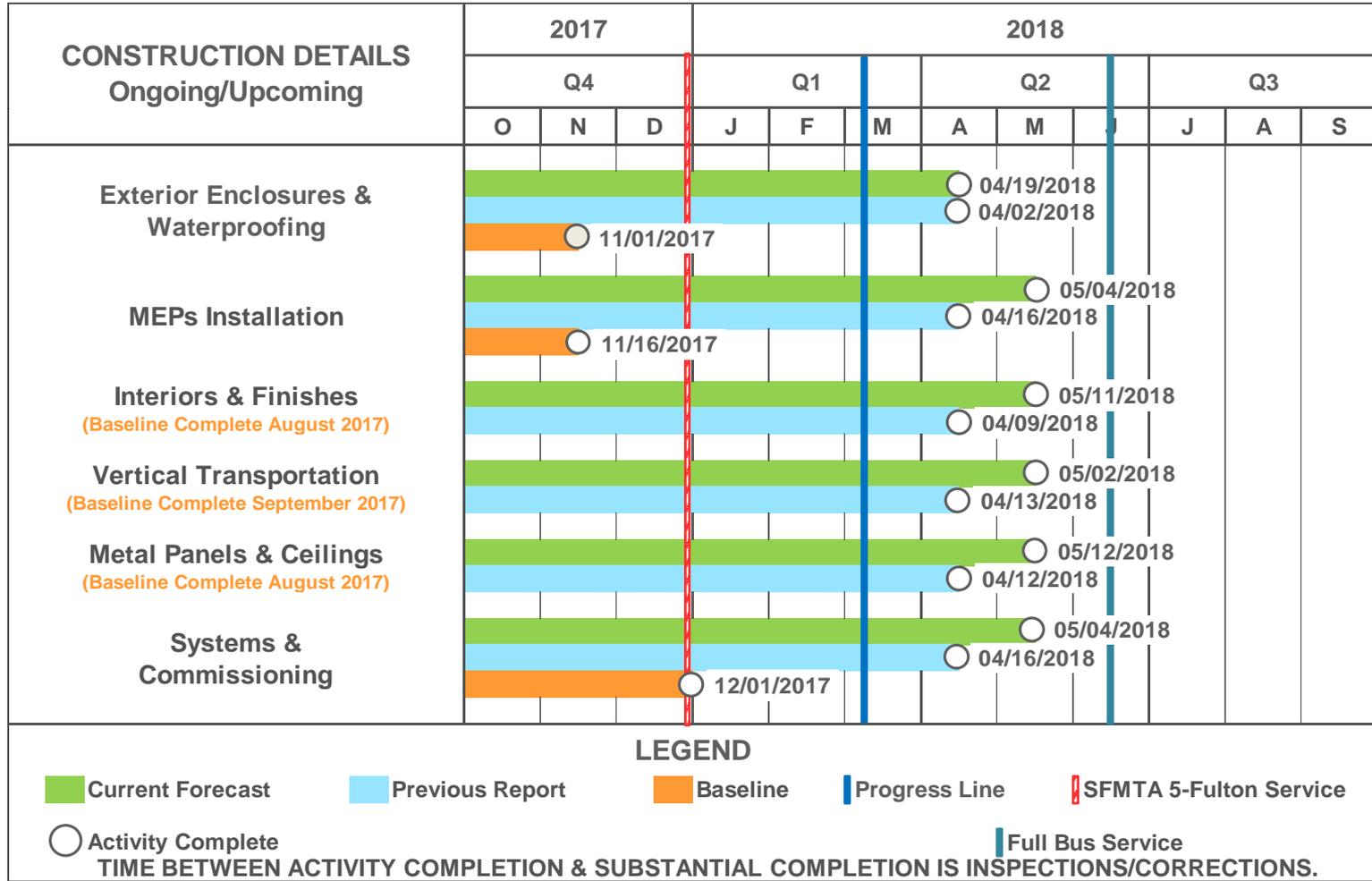
Construction: \$2.2M

Program Reserve: \$0.0

Schedule



Schedule



Schedule Risk

Recent Mitigation Measures

Due to the Continued Failure to meet Electrical Milestones:

- 30 Additional Rosendin Electric Electricians mobilized for State of Completion Assessment and increased management over Fisk.
- WPCS enlisted to provide for overall management over RSC and knowledgeable management of these systems installation.
- WOJV needs to develop a revised strategy for achieving a reliable and achievable schedule that will afford TJPA to advance Operational Planning with certainty.

Schedule Risk

WOJV to provide Electrical & Systems Schedule Refresh Strategy towards:

- Developing an Accurate State of Completion Assessment.
 - Rosendin Electric Field Validation of Fisk As-Built Drawings.
 - WPCS Evaluation of Status of Systems Installation.
- Establishing a Finalized Schedule Informed by Field Assessment with Subcontractor Buy-in.
- Submit Revised Schedule and Presentation to achieve Date Certain Substantial Completion Date and a Reliable Basis for Planning of TJPA Operations.



Questions?

TJPA
TRANSBAY JOINT POWERS AUTHORITY

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