

Construction Update

July 2018



Project Overview

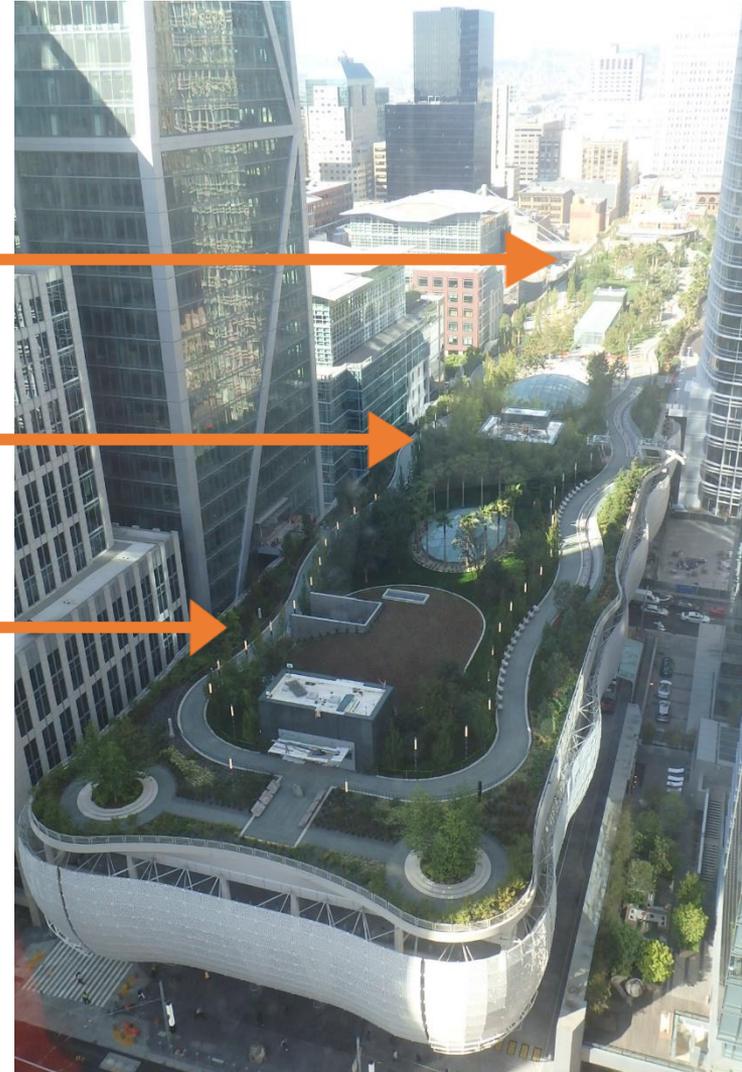
Western Zone Grid Line 1-10



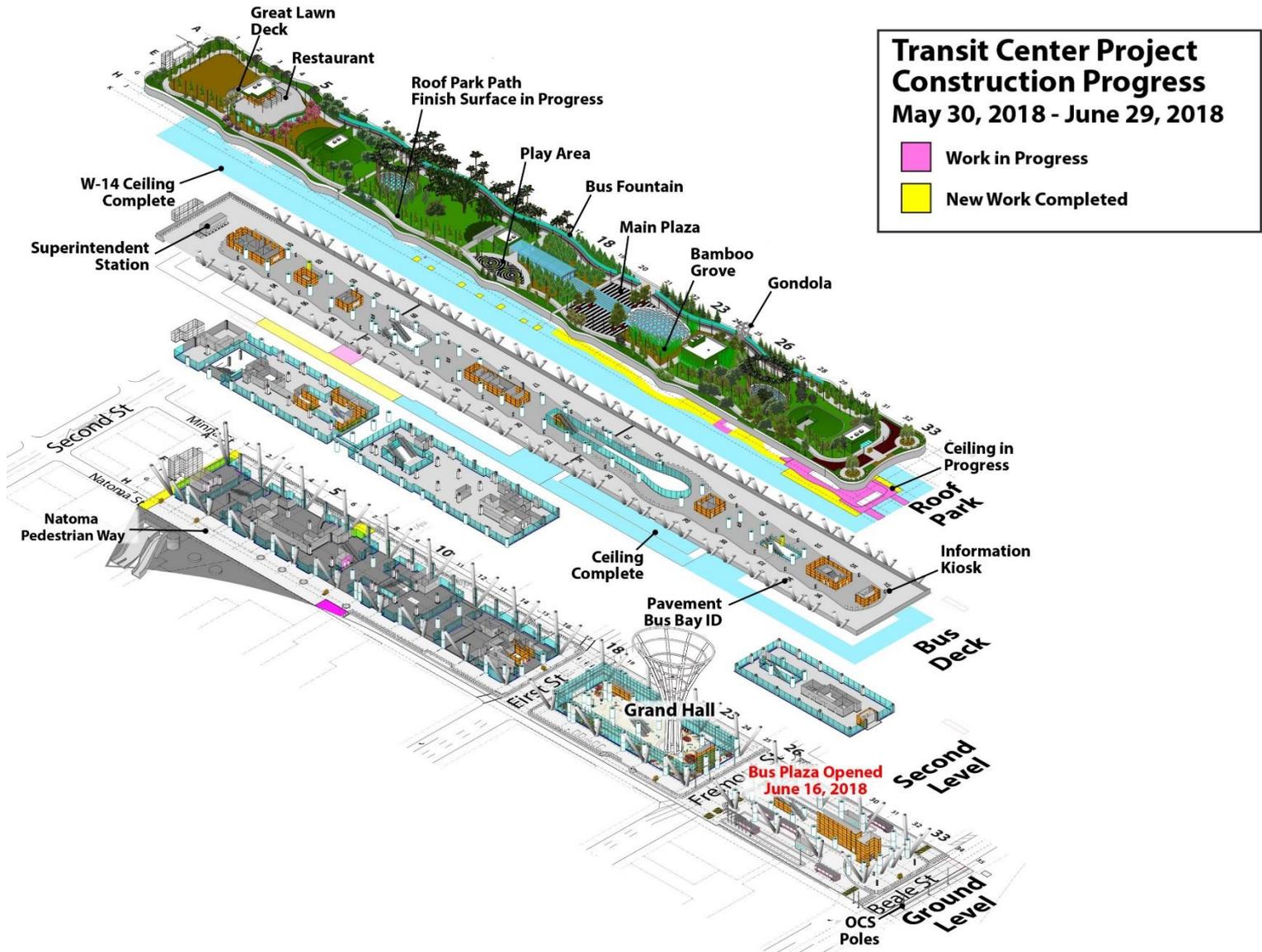
Central Zone Grid Line 10-20



Eastern Zone Grid Line 20-35

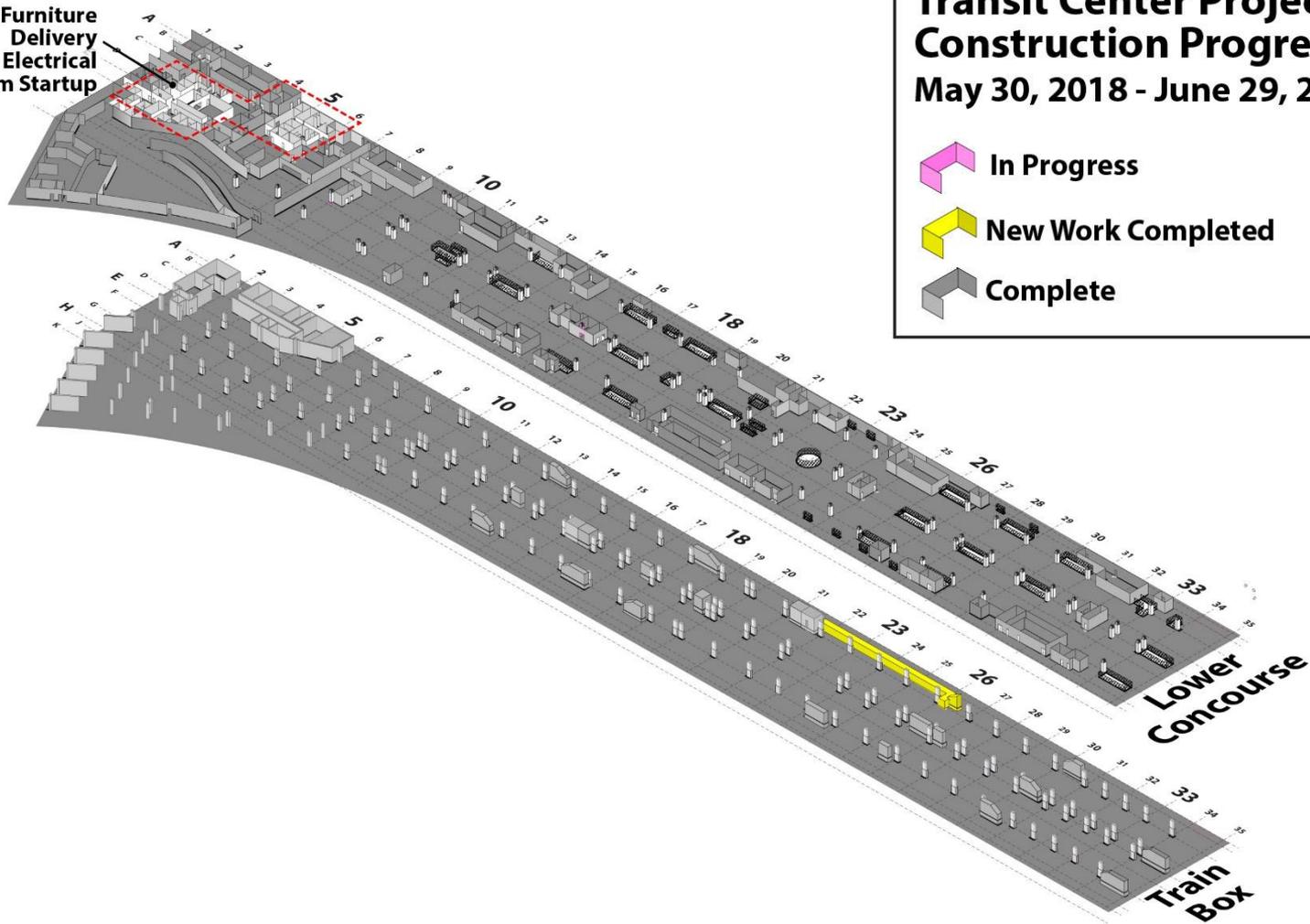


Recent Activity



Recent Activity

Furniture
Delivery
Electrical
System Startup



**Transit Center Project
Construction Progress
May 30, 2018 - June 29, 2018**

-  In Progress
-  New Work Completed
-  Complete

Construction Activity

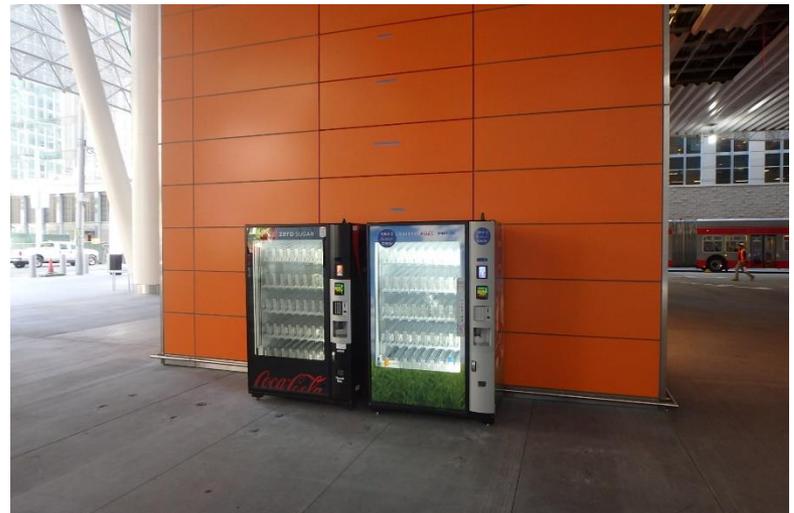
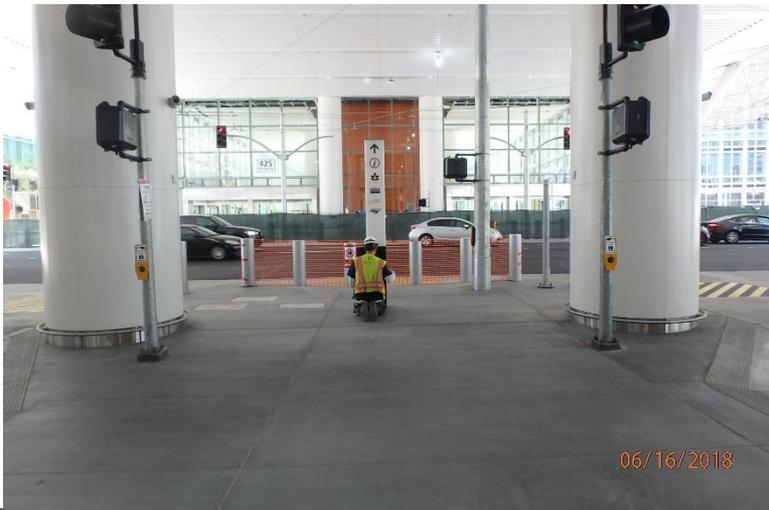
Transit Center – West End (GL1-20)

- Rooftop Amphitheatre nearing completion.
- Rooftop landscaping at Amphitheatre only area to complete.
- Resin paving at perimeter walkway and elevator entrances complete.
- Bus Deck Drive aisle ceiling panels near completion.
- Bus Deck Passenger Island ceiling panels well underway, near completion.
- Ceiling River Cove lighting and infill panels in progress.
- Bus Deck AC Transit Superintendent Booth complete, ready for AC Transit move-in.
- Elevators and Escalators final assembly, finishes and inspections underway.
- Street Level sidewalks and roadway construction continues on Minna. Natoma is complete.
- Priority Equipment Rooms and Turnover Rooms have Punchlist work in progress.
- Electrical conduits and power cable distribution complete.
- Main Distribution (MDF) and Intermediate Distribution Frame (IDF) Rooms continues.
- Equipment rooms buildout in progress.

Transit Center – East End (GL20-35)

- Rooftop landscaping complete.
- Gondola assembly and landings ongoing.
- Rooftop hardscaping around the Oculus and Glass Floor complete.
- Bus Deck, Grand Hall and Bus Plaza overhead Mechanical and Electrical nearing completion.
- Bus Deck column covers in progress, near completion.
- Bus Deck Passenger Island ceiling framing, panels and fans in progress.
- Bus Deck, Grand Hall and MUNI Bus Plaza Metal wall panels near completion.
- Elevators and Escalators final assembly, finishes and inspections underway.
- MUNI Bus Plaza drive aisle and pedestrian islands construction complete and in operation.
- Electrical conduits and power cable distribution complete.
- Main Distribution (MDF) and Intermediate Distribution Frame (IDF) Rooms continues.
- Equipment rooms buildout in progress.

Muni Plaza



Muni Plaza



Bus Deck Kiosks



Grand Hall Glass Floor & Light Seats



Jenny Holzer LED Lighting Installation



Jenny Holzer LED Lighting



Lower Concourse Offices/Finishes



Rooftop Park Sod Placement



Rooftop Park Resin Paving Placement



Grand Hall Escalators & Rooftop Park Glass Floor



Bus Storage Facility



Current Work Activities

- Concrete pavement 98% complete.
- Storage Building 99% complete.
- Administrative Building 99% complete.
- AC Transit next testing on July 21st.
- Final striping awaiting bus testing.
- 3rd Street signal procurement/installation ongoing.

Safety and Labor Statistics

Recordable & Lost Time Incidents:

WOJV Recordable Incidents this period June 2018:	0	WOJV Lost Time Incidents this period June 2018:	0
Total Recordable Incidents –Year 2018	2	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

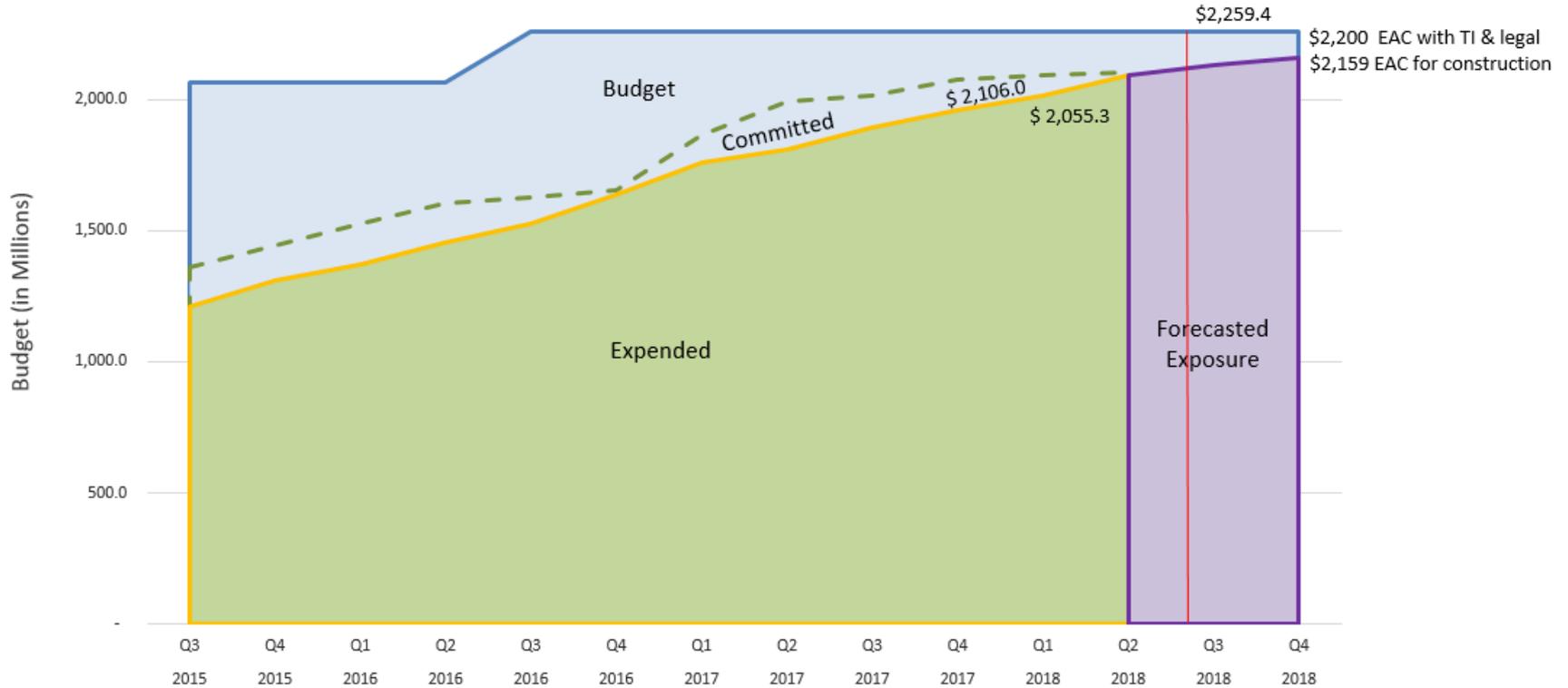
Craft Hours:

Total Transit Center Craft Hours 2011 - YTD 2018 :	Total Craft Hours <u>June 2018:</u>	Total Transit Center Craft Hours YTD 2018 :
5,383,964	130,286	839,636

Budget

Phase 1 - Transbay Program

Data thru: May '18



91% Program Budget
106% Contract Time

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 May 2018	(\$53.7)	(\$15.5)	(\$28.7)	(\$97.9)
Remaining Baseline Budget Amounts (at May 2018)	\$8.1	\$17.0	\$88.3	\$113.4
Total Draws/Addds June 2018	(\$2.1)	(\$0.7)	(\$5.0)	(\$7.8)
Remaining Balances	\$6.0	\$16.3	\$83.3*	\$105.6

Uses of Contingency this period

Additional costs for gray water system changes, FMS design changes - paging zones, differing CIDH pile strength, added radar signs on bus deck level, TG7.3 elevator door gap angles and other changes, plumbing changes due to Beale Street obstructions, DBI vent changes, additional gate monitoring services associated with project handover, schedule mitigation in construction zones 1-4. Program Reserve draw was for legal services related to 301 Mission.

Forecasted Contingency Use

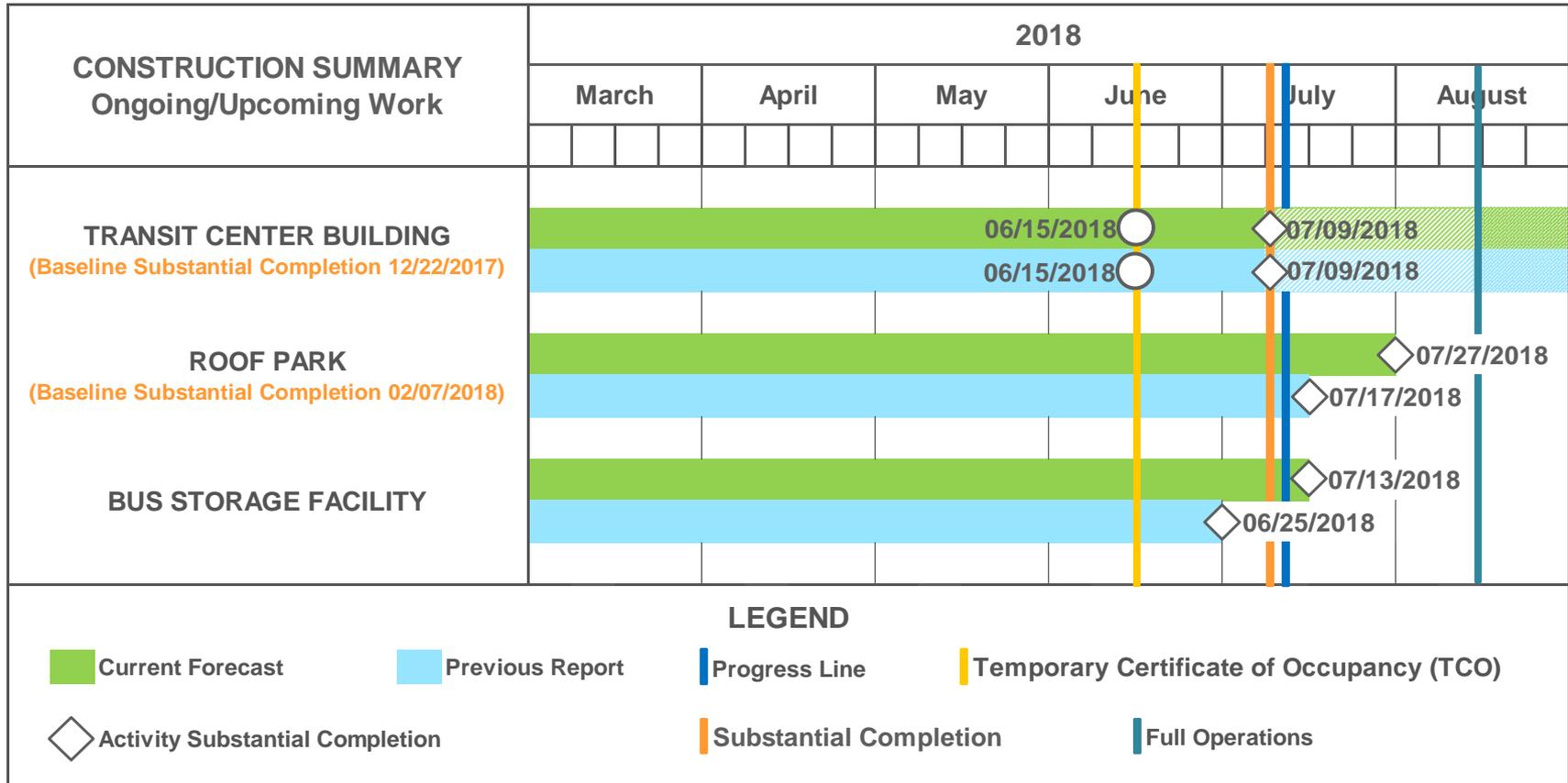
CM/GC: \$2.0M

Construction: \$1.9M

Program Reserve: \$0.0M

*Note: Program Reserve balance of \$83.3 million assumed to include contingencies earmarked for tenant improvements and legal costs related to 301 Mission St.

Schedule



Schedule - Risk

Notable Remaining Schedule Risk Elements

- Building Systems Start-up and Commissioning Issues.
- Fire and Life Safety Systems Functional Performance Issues.
- Security Component and Software Functional Issues.
- Delivery, Installation & Commissioning of E2 Pylons.

Project Close-out Risk

- Work to Complete List Fulfillment.
- Punch List, Final Completion & Tenant Improvement Coordination.
- Close-out Documentation & Retention Release.
- Final Trade Change Order Reconciliation.
- Potential Sub-Contractor Claims Resolution.
- Actual Sub-Contractor Claims Resolution.
- Potential CM/GC Claims.



Questions?

TJPA
TRANSBAY JOINT POWERS AUTHORITY

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