

# Construction Update

June 2018



# Project Overview

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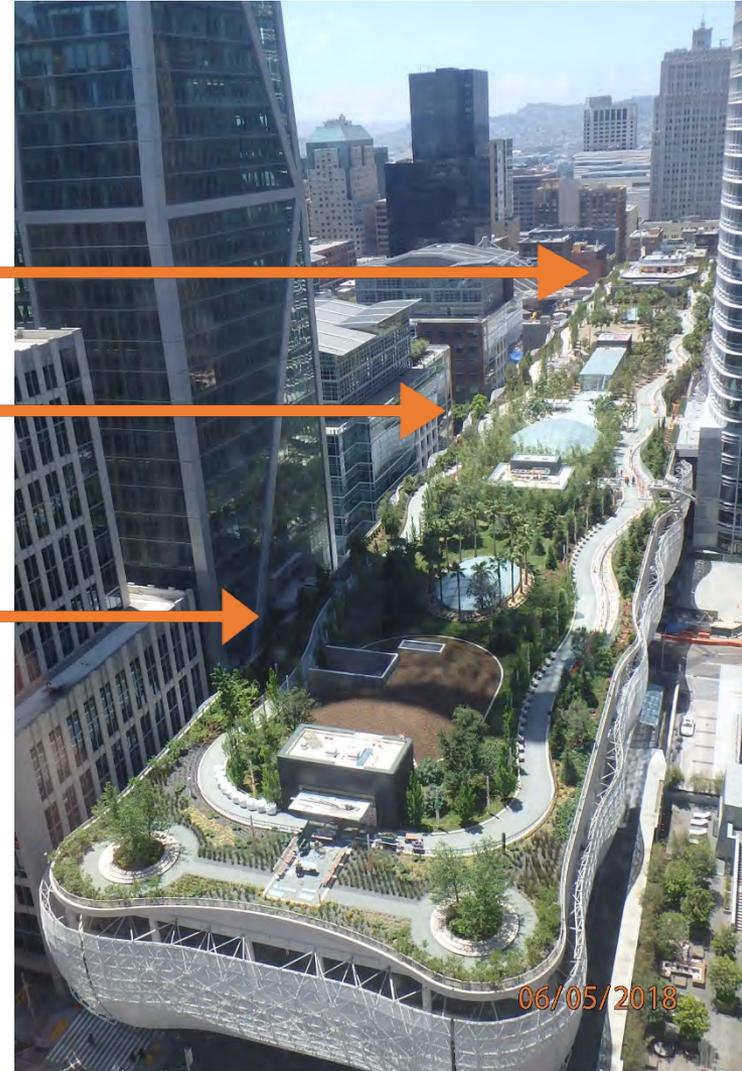
**Western Zone Grid Line 1-10**



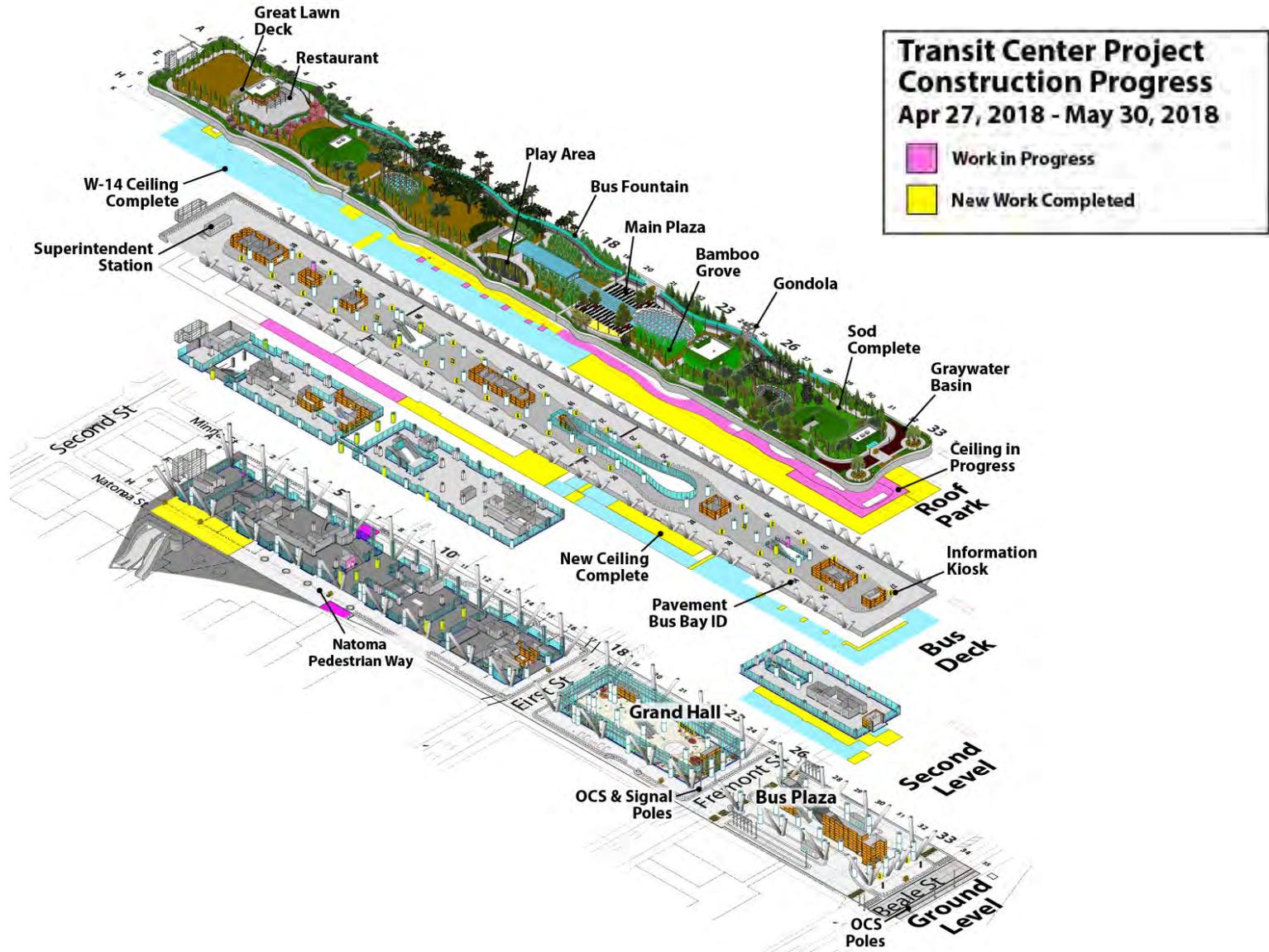
**Central Zone Grid Line 10-20**



**Eastern Zone Grid Line 20-35**

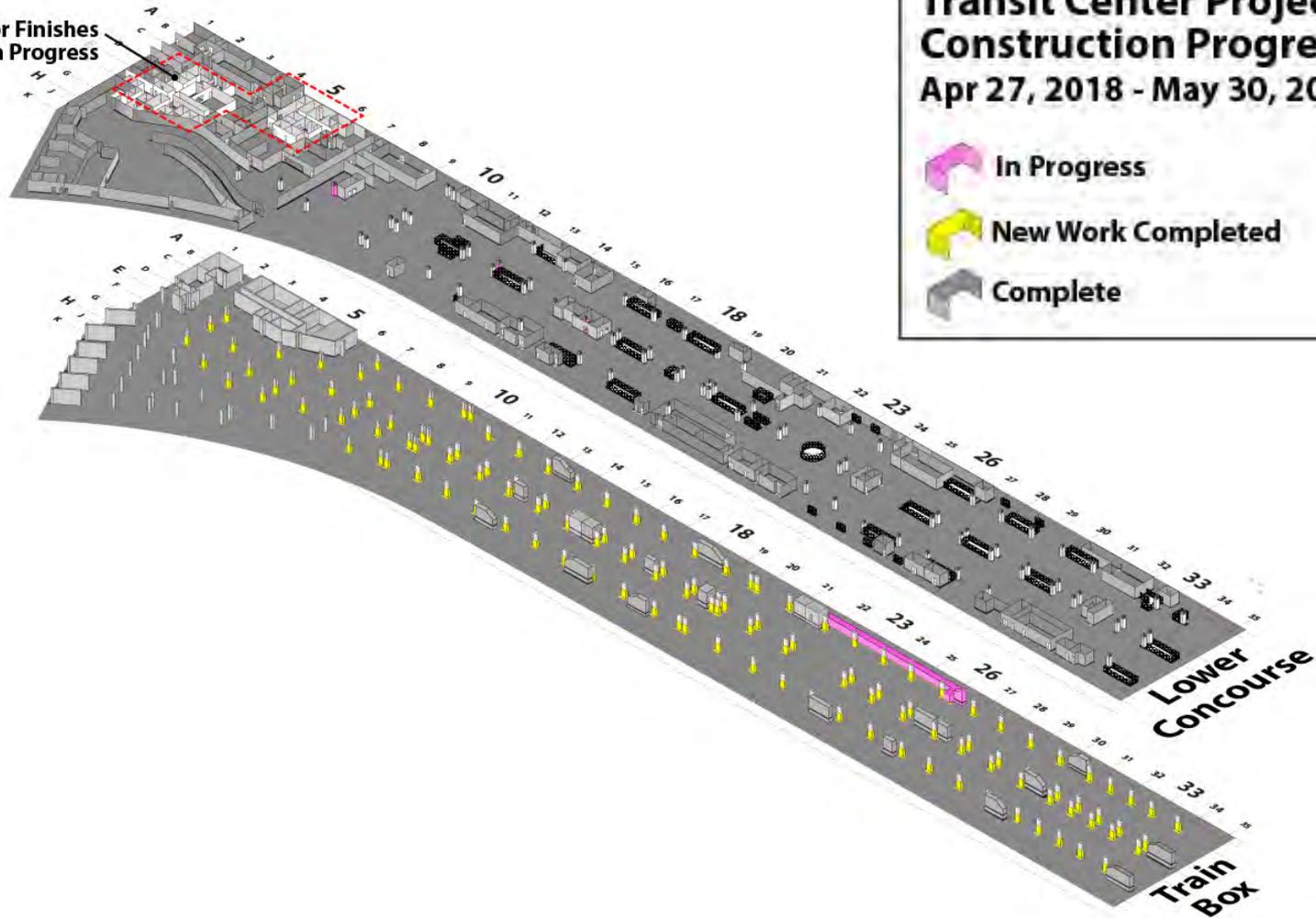


# Recent Activity



# Recent Activity

Interior Finishes  
In Progress



**Transit Center Project  
Construction Progress  
Apr 27, 2018 - May 30, 2018**

-  In Progress
-  New Work Completed
-  Complete

# Construction Activity

## Transit Center – West End (GL1-20)

- Roof Amphitheatre nearing completion.
- Rooftop landscaping plantings nearing completion.
- Rooftop escalator and elevator landings concrete placement, connect to pathways.
- Bus Deck Drive aisle ceiling panels well underway, near completion.
- Bus Deck Passenger Island ceiling framing and fans in progress.
- Bus Deck AC Transit Superintendent Booth installation complete.
- Elevators and Escalators final assembly and finishes underway.
- Ground Level sidewalks and roadway construction continues Minna and Natoma.
- Priority Equipment Rooms and Turnover Rooms have Punchlist work in progress.
- 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 nearing completion.
- Gondola assembly and landings nearing completion.
- Rooftop hardscaping around the Oculus and Glass Floor nearing completion.
- Bus Deck, Grand Hall and Bus Plaza overhead Mechanical and Electrical in progress, nearing completion.
- Bus Deck column covers in progress.
- 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 and finishes underway.
- MUNI Bus Plaza drive aisle and pedestrian islands construction nearing completion.
- Electrical conduits and power cable distribution continues.
- Main Distribution (MDF) and Intermediate Distribution Frame (IDF) Rooms underway.
- Equipment rooms buildout in progress.

# Actual vs. Rendering

## First & Mission Bus Deck



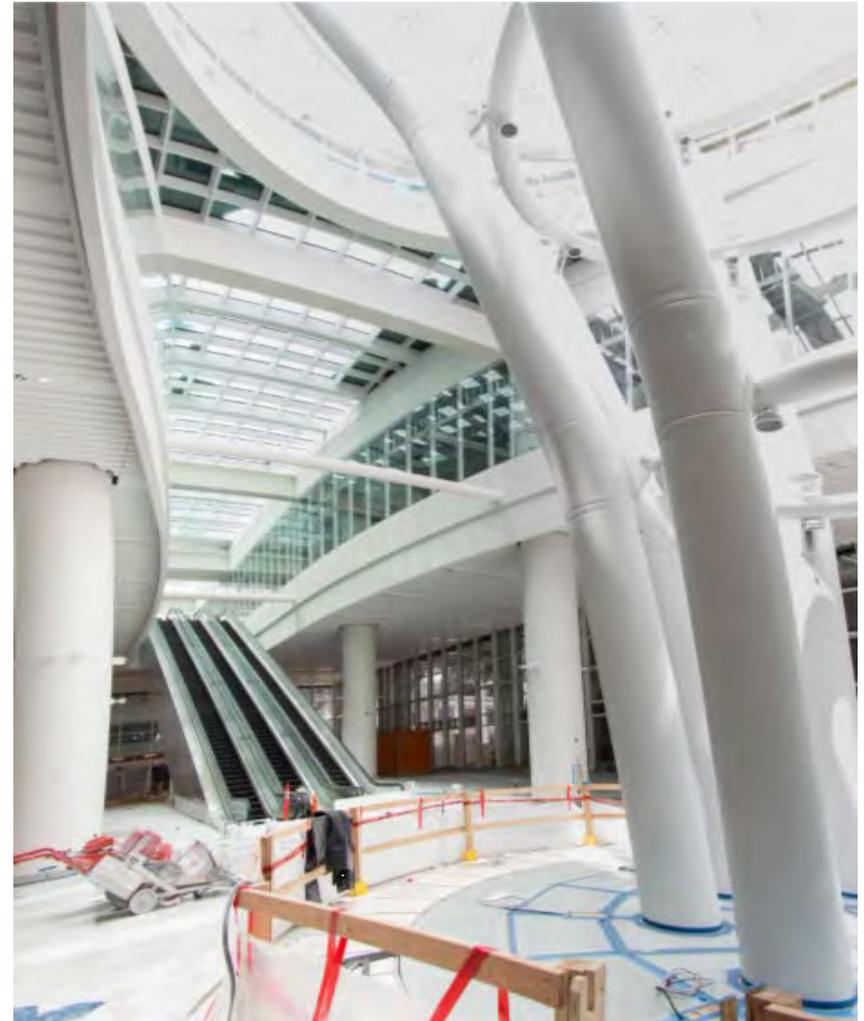
# Actual vs. Rendering

## Beale Street



# Actual vs. Rendering

## Grand Hall



# Actual vs. Rendering

## Grand Hall Escalator & Light Column



# Actual vs. Rendering

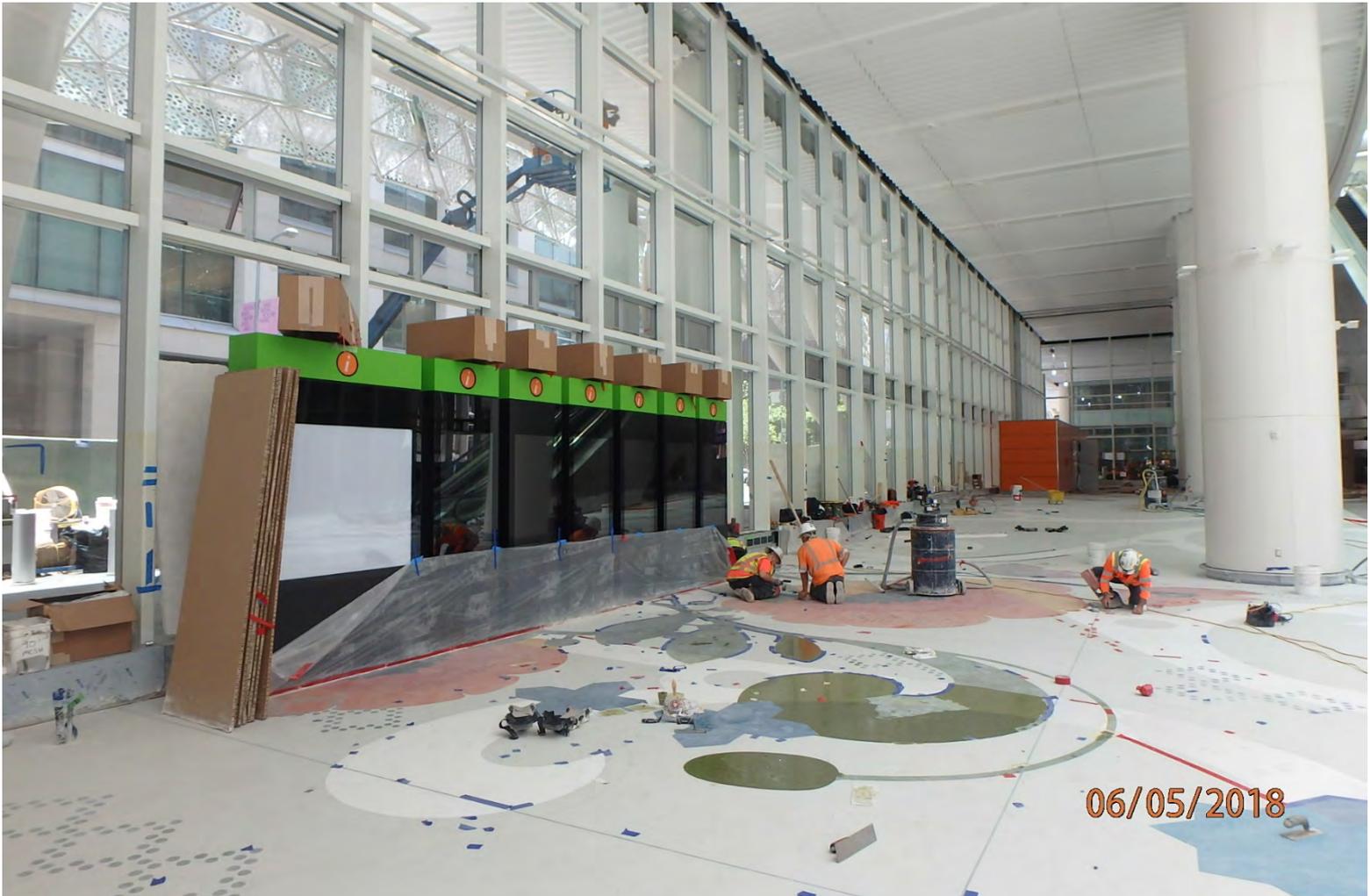
## Grand Hall Glass / Terrazzo Floor & Display Board



# Roof Park Play Structure



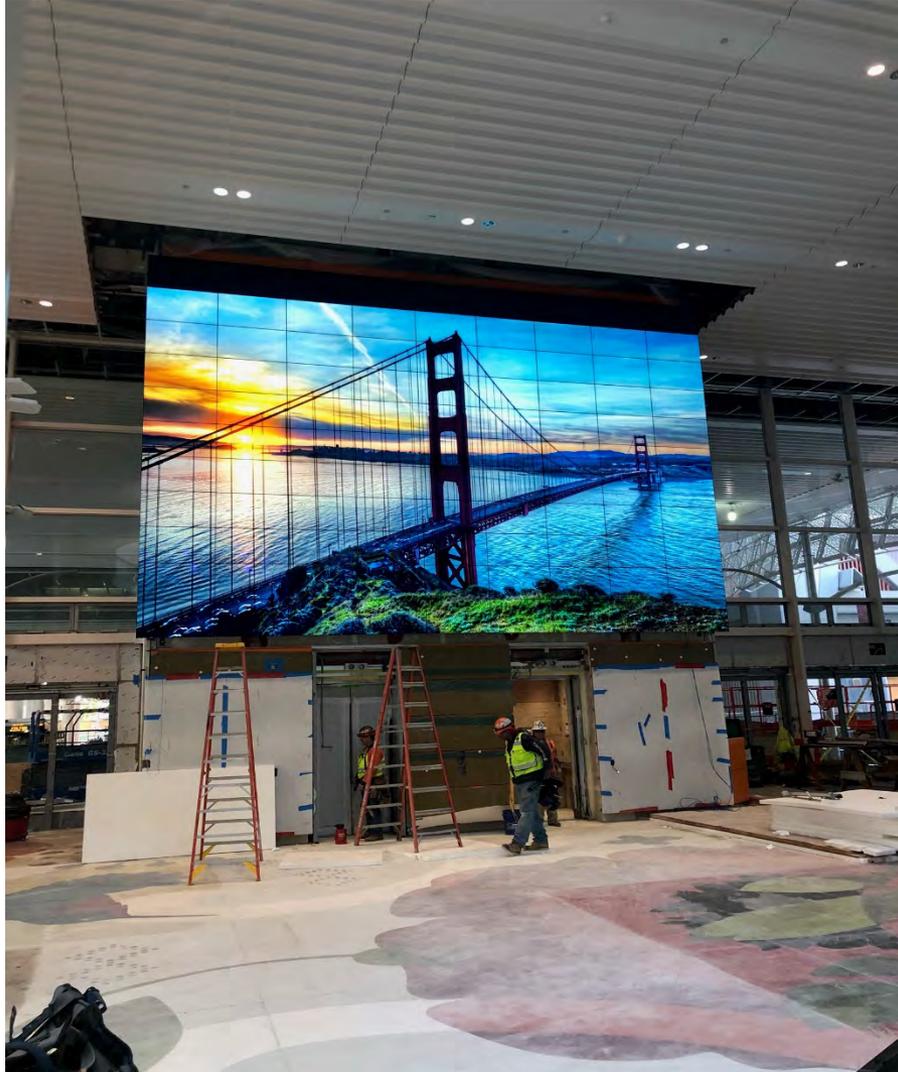
# Grand Hall Information Kiosks



# Roof Park Sod



# Grand Hall Display Board



# Tenant Improvement Construction planning

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Transit Center Mail Room  
#1380- Ground level in review process.

LPC working with Turner SPD  
In build-out phase:

- Greyhound Passenger Service Room #3228 – Bus Deck level.
- Greyhound Package Area Room #1221- Ground level.
- Greyhound [Amtrak] Passenger Waiting Area Room #02220 – Level 2. (including framing and topping slab).

LPC working with Architect to produce Construction Documents:  
Office Space - TJPA & LPC Offices - Level 2.

In Design Build Phase:

- TJPA= Subs are released for MEP design drawings.
- Fire Protection / Fire Alarm design has been submitted to SFFD for Permit in process.
- LPC design complete. Bidding by subcontractors in process.
- Punchlist coordination between Turner SPD/Webcor-Obayashi/Architects on-going.

# Bus Storage Facility



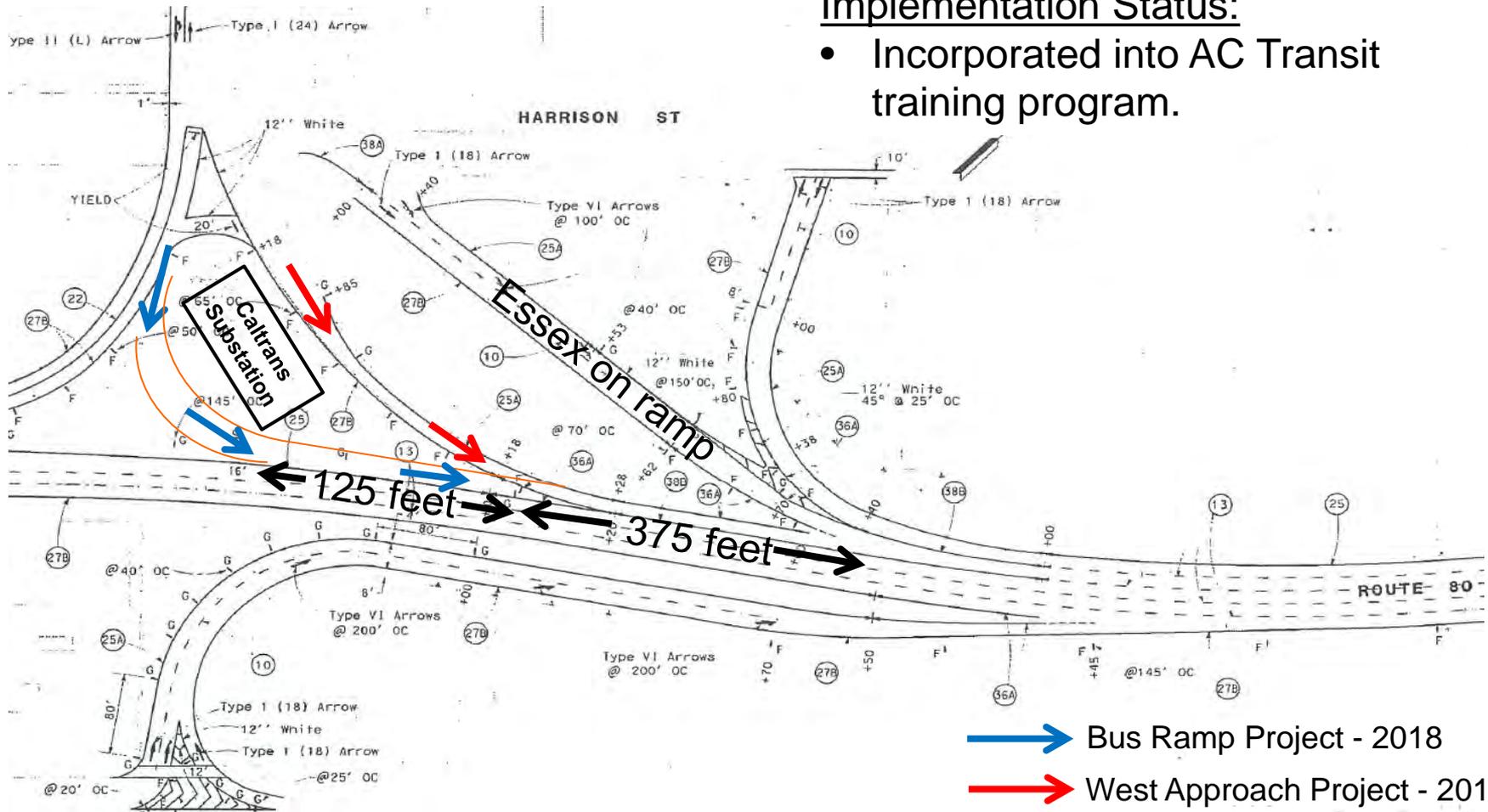
## Current Work Activities

- Approach slab complete.
- Sound wall work complete.
- Concrete pavement 90% complete.
- Bus testing started.
- Storage Building under construction.
- Modular Building install started.

# Bus On-Ramp Merge

## Implementation Status:

- Incorporated into AC Transit training program.



## Eastbound Bay Bridge Approach

# Safety and Labor Statistics

## Recordable & Lost Time Incidents:

<b>WOJV Recordable Incidents this period May 2018:</b>	<b>0</b>	<b>WOJV Lost Time Incidents this period April 2018:</b>	<b>0</b>
Total Recordable Incidents -Year 2018	2	Total Lost Time Incidents - Year 2018	0

<b>WOJV Average Annual Recordable Incident Rate 2011 Through 2016</b>	<b>2.99</b>	<b>WOJV Average Annual Lost Time Incident Rate 2011 Through 2016:</b>	<b>0.33</b>
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

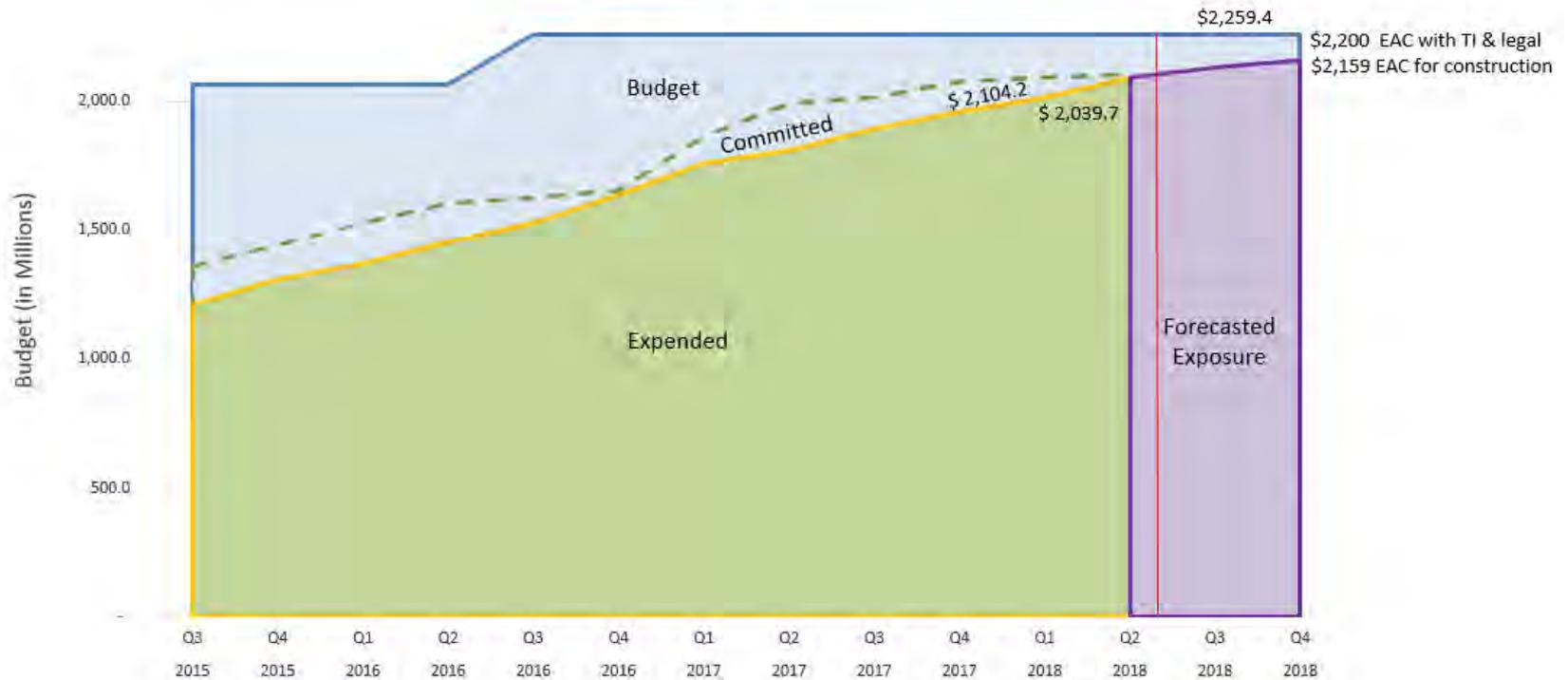
## Craft Hours:

<b>Total Transit Center Craft Hours 2011 - YTD 2018 :</b>	<b>Total Craft Hours <u>May 2018:</u></b>	<b>Total Transit Center Craft Hours YTD 2018 :</b>
<b>5,193,860</b>	<b>163,998</b>	<b>709,350</b>

# Budget

## Phase 1 - Transbay Program

Data thru: April '18



90% Program Budget  
105% Contract Time

# Contingency Cost

## Contingency Tracking (\$millions)

	Construction Contingency	CM/GC Contingency	Program Reserve	Total Contingency & Reserve
<b>Baseline Budget Amounts</b>	<b>\$61.8</b>	<b>\$32.5</b>	<b>\$117.0</b>	<b>\$211.3</b>
<b>Contingency Usage Through Apr 2018</b>	(\$50.6)	(\$14.8)	(\$28.7)	(\$94.1)
<b>Remaining Baseline Budget Amounts (at Apr 2018)</b>	<b>\$11.2</b>	<b>\$17.7</b>	<b>\$88.3</b>	<b>\$117.2</b>
<b>Total Draws/Addds Mayr 2018</b>	(\$3.1)	(\$0.7)	(\$0.0)	(\$3.8)
<b>Remaining Balances</b>	<b>\$8.1</b>	<b>\$17.0</b>	<b>\$88.3*</b>	<b>\$113.4</b>

### Uses of Contingency this period

Additional costs for temporary facilities, civil scope transfer from TG12.1 to TG07.6, electrical changes to accommodate converged IP network needs, bus fountain shoe blast criteria revisions and fountain piping seismic support, Muni plaza changes, MEP no fly zones, First, Fremont, and Mission Streets traction power; and flashing beacon and barrier work, buried concrete conflict at Bus Storage area .

### Forecasted Contingency Use

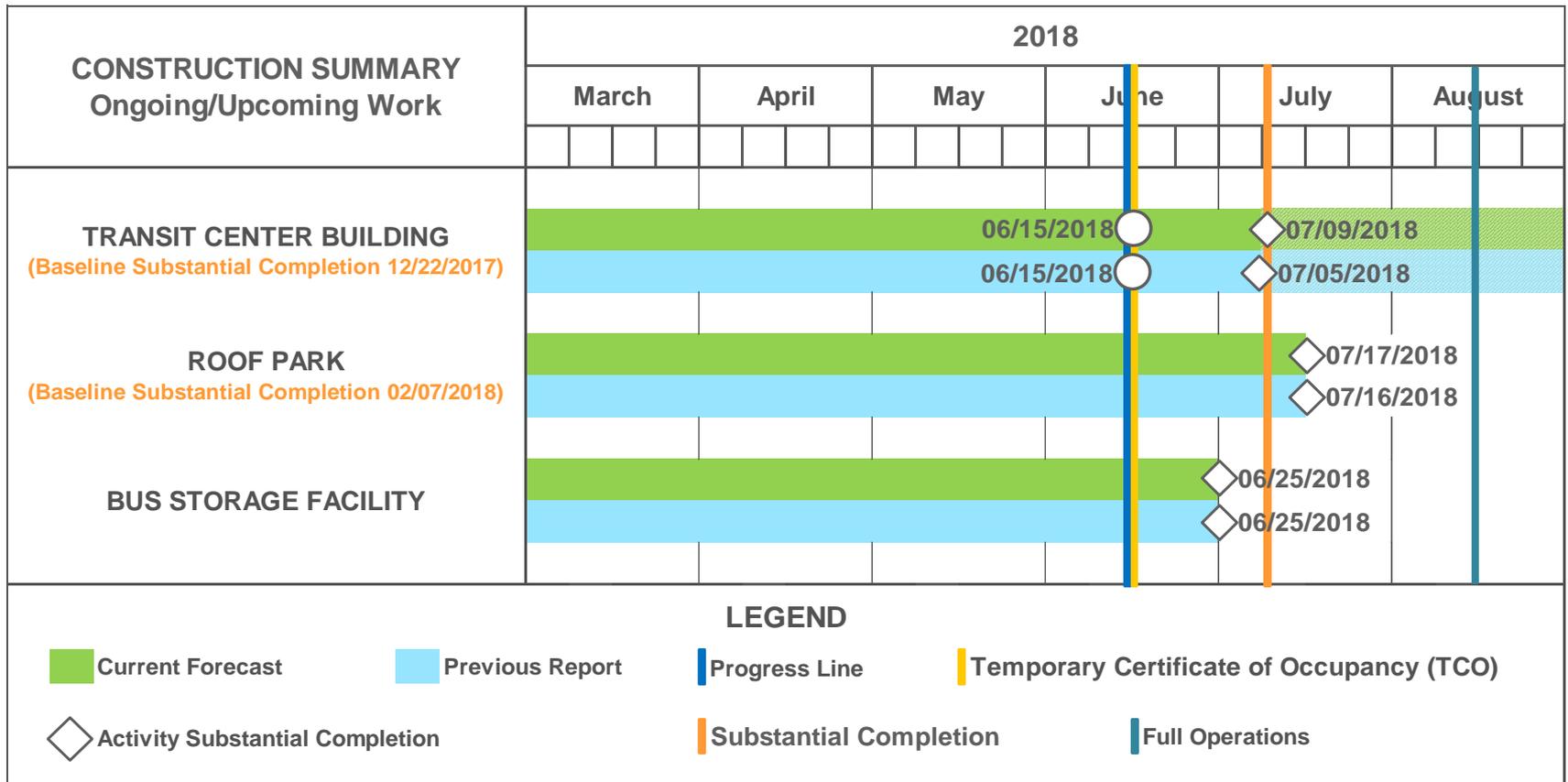
CM/GC: \$0.2M

Construction: \$1.5M

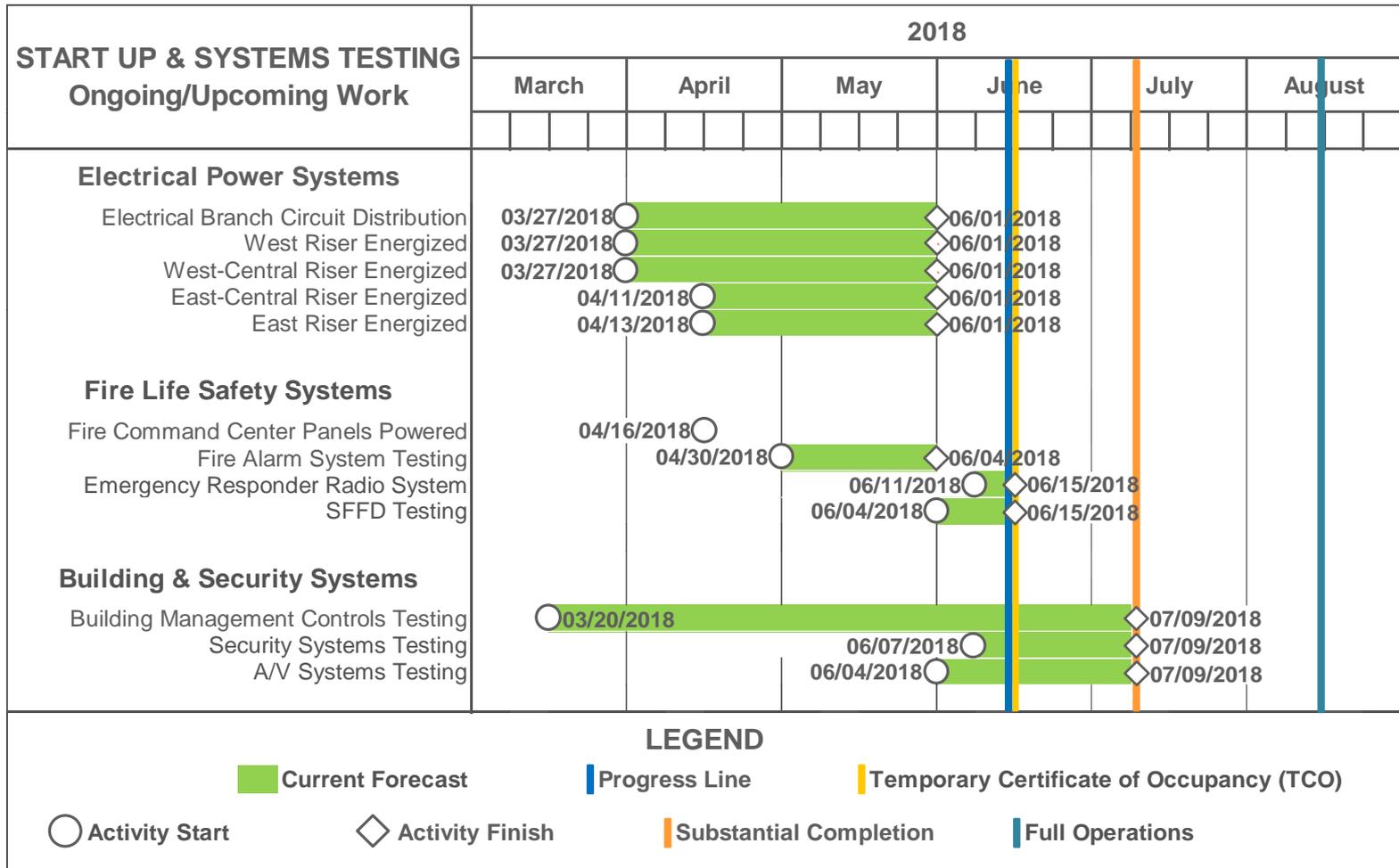
Program Reserve: \$5.0M for 301 Mission legal services

\*Note: Program Reserve balance of \$88.3 million assumed to include contingencies earmarked for tenant improvements and legal costs related to 301 Mission St.

# Schedule



# Schedule



TIME BETWEEN TCO & SUBSTANTIAL COMPLETION IS INSPECTIONS/CORRECTIONS.



# Schedule Risk

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## Notable Remaining 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.

# Schedule Risk

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## WOJV Electrical & Systems Schedule Refresh Update:

- Applicable Trades working 10 Hr. shifts 6 days/week + Sunday where needed.
- Status of Temporary Certificate of Occupancy (TCO).
- Power Energization.
- Fire Management System.
- Network installation.
- Start up Activities.
- Tenant & Operational Space transfers.



# Questions?

**TJPA**  
TRANSBAY JOINT POWERS AUTHORITY

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