



PROGRAM STATUS REPORT AND PLAN FOR 2017

January 10, 2017

Transbay Transit Center

TJPA





- Temporary Terminal Operations
- Design – Phase 1 & Phase 2
- Programwide
- DBE/SBE Report
- Funding Report
- Community Outreach Report
- Construction & Operational Readiness





2016 Milestones & Accomplishments

Temporary Terminal

- Sixth full year of successful operation
- Served as key transit link during Super Bowl City events in January
- No. of passengers increased 30% since start of operations in 2010





2016
MILESTONES &
ACCOMPLISHMENTS
Phase 1 Design



2016 Milestones & Accomplishments

Transit Center Design



- Completed infrastructure to support PG&E's Embarcadero circuit
- Completed design and coordination with Salesforce Tower and 181 Fremont teams:
 - Pedestrian bridges
 - Gondola
 - Site civil work
- Released RFP for Neutral Host Distributed Antenna System
- Released RFP for Physical Security Information Management System and Emergency Communication System / Mass Notification System Integration



2016 Milestones & Accomplishments **Transit Center Procurement**

Trade Packages awarded:

- TG27.1** Data Network and Systems Integration
- TG27.2R** Audio Visual Equipment and Integration
- TG30.3** Jenny Holzer – LED art
- TG04.2*** Overhead Contact System
- TG8.11R*** W-12 and W-13 glass floors

* Awarded through strategic change orders

Trade Packages award total \$27,241,353



2016 Milestones & Accomplishments

Bus Storage Design

- AC Transit secured sustainable lease terms with the California Transportation Commission
- Submitted documents to the Division of State Architect and the State Fire Marshal
- Completed Issue for Bid documents
- Completed contractor pre-qualification





PLAN FOR 2017

Phase 1 Design



Transit Center Design

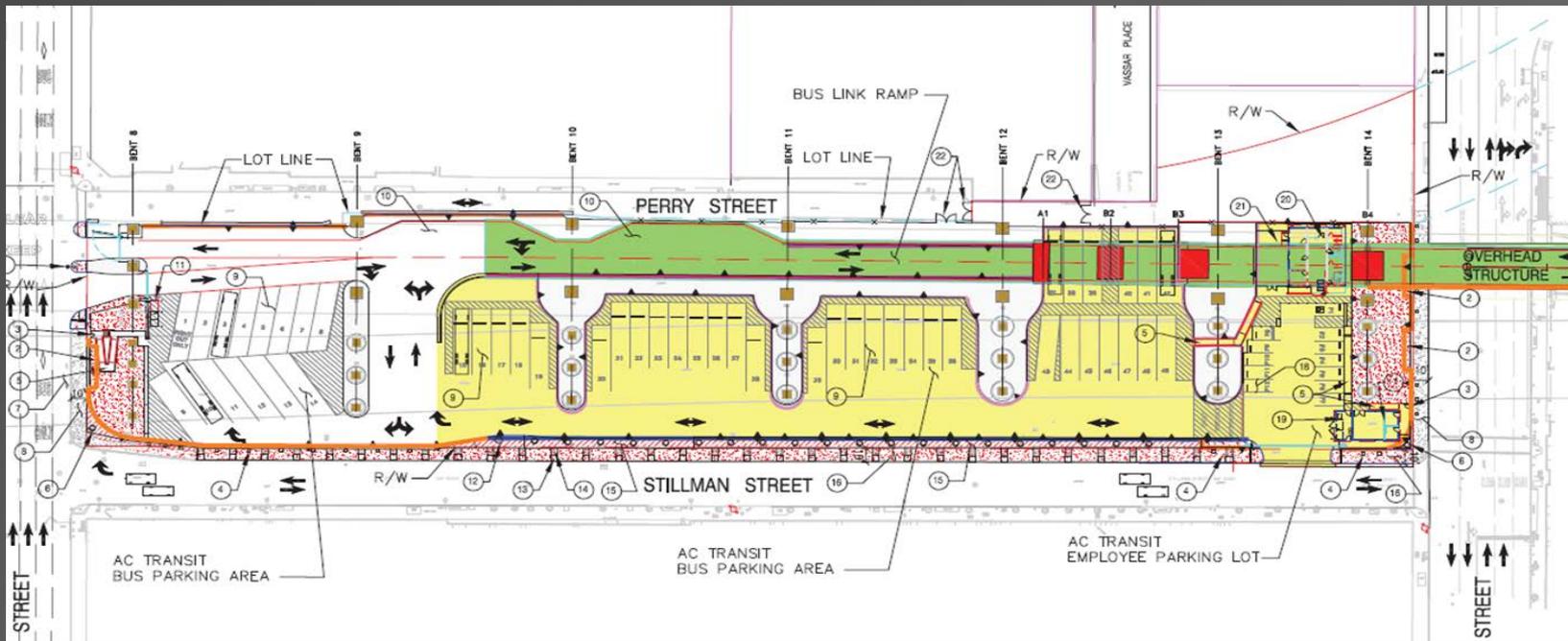


Issue for Construction/ Contract Award:

- **Neutral Host Distributed Antenna System**
- **Physical Security Information Management System and Emergency Communications System / Mass Notification System Integration**
- **Natoma Extension (SFPW)**
- **Mission Street Island (SFPW)**



- Execute lease and use agreement with AC Transit
- Execute air space lease agreement with Caltrans
- Advertise for bid in January; contract award in March
- Begin archaeological field work in February
- Resume neighborhood update meetings upon contract award





2016
MILESTONES &
ACCOMPLISHMENTS
Phase 2 Design



Supplemental Environmental Analysis: Responded to public comments on draft SEIS/EIR; coordinated with Federal Transit Administration (FTA) in preparation for TJPA Board approval in early 2017

Phase 2 Cost Estimate: Updated construction cost estimate to current market rates; incorporated MTC's recommendations

Phase 2 Next Steps: Presented update to the Board in June 2016; working with partners to secure funding to advance Phase 2 to 30%

Railyard Alternatives and I-280 Boulevard Feasibility Study: Continued to partner with City and provide technical background to the RAB study team

Stakeholder Coordination: Continued to coordinate with California High-Speed Rail Authority & Caltrans



PLAN FOR 2017

Phase 2 Design



- **Present Final SEIS/EIR for Board approval**
- **Support issuance of Record of Decision by FTA**
- **Secure funding for update**
- **Update 30% Preliminary Engineering drawings, cost estimate, ridership study, Program budget & risk assessment**
- **Continue development of funding plan**
- **Develop integrated delivery schedule with stakeholders**





2016
MILESTONES &
ACCOMPLISHMENTS
Programwide



2016 Milestones & Accomplishments **Programwide**

- **Approved Final Baseline Budget for Phase 1**
- **Released Master Lessee RFP**
- **Completed final draft of the Safety and Security Concept of Operations**
- **Conducted benchmarking for security staffing plan with San Francisco Sheriff's Department, Anaheim Regional Transportation Intermodal Center, Los Angeles Union Station & Denver Union Station**
- **Updated Title VI Program**





PLAN FOR 2017

Programwide



Plan for 2017 **Programwide**



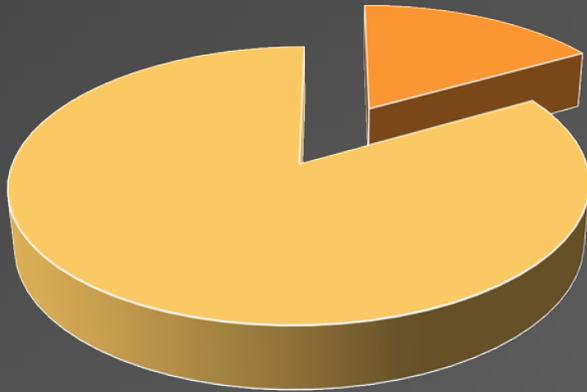
- **Execute Master Lease / Asset Management Agreement**
- **Onboard operational staff**
- **Conduct peer review of the security staffing plan by American Public Transportation Association**
- **Release RFP and award contract for security guard service**



Small Business Enterprise (SBE) Disadvantaged Business Enterprise (DBE) REPORT

TJPA SBE & DBE: By the Numbers

\$337,245,377



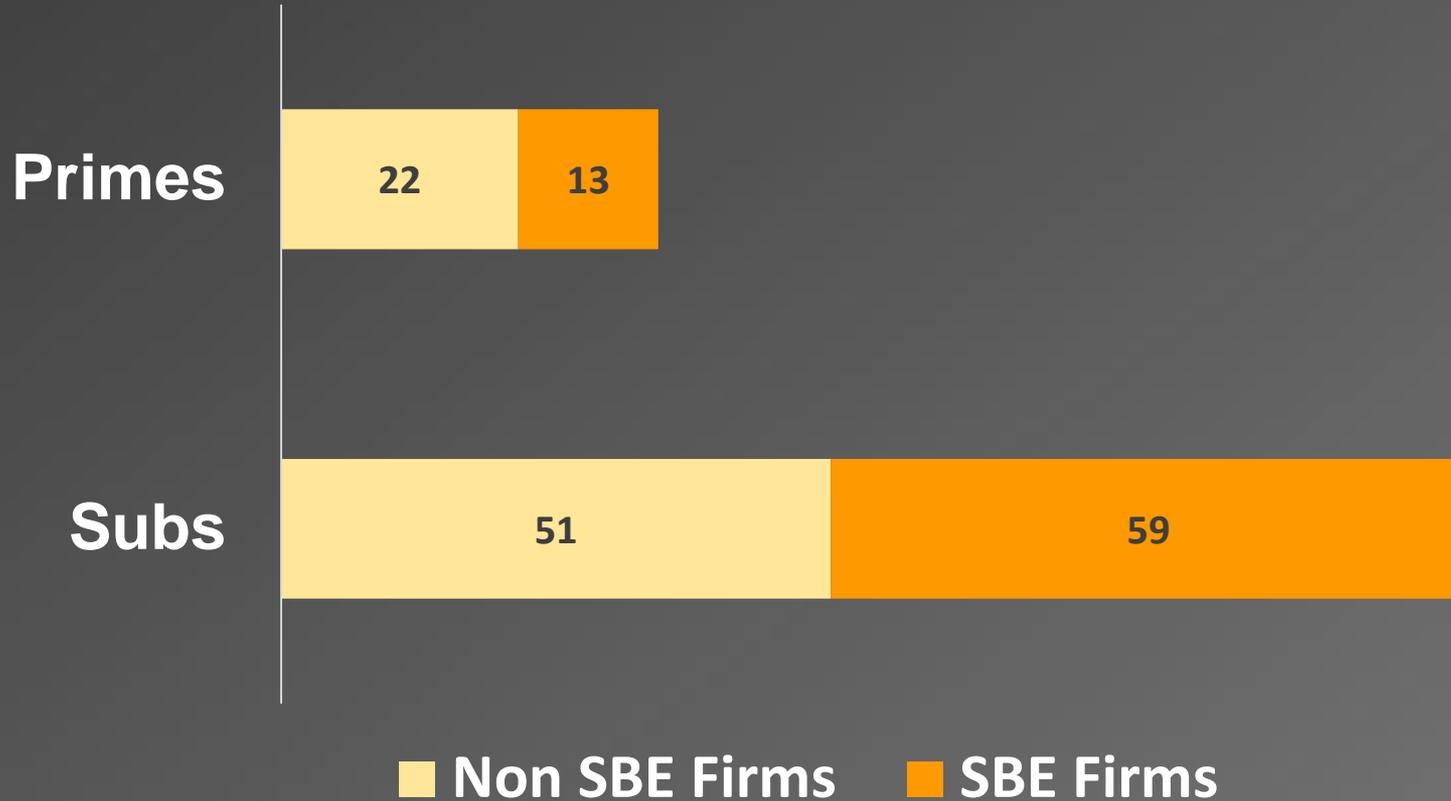
■ SBE DBE Awards ■ Total

\$187,430,873



■ SBE DBE Payments ■ Total

SBE Consultants Professional Services



2016 Milestones & Accomplishments **Construction – SBE Program**



HT Tran, Anvil Builders

- **Total Number of Prime Subcontracts Under CM/GC: 45**
- **Total Number of Prime Subcontracts to SBE firms: 17**
- **Total Number of Prime Subcontracts to Non-SBE firms: 28**
- **37.38% of all Prime Subcontracts are led by SBEs**



FUNDING REPORT



- **Sale of Parcel F allowed for repayment of bridge loan in full**
- **City and MTC approval of short term financing to fully fund Phase 1 budget**
- **Received first TIFIA disbursement**
- **MTC & ABAG reaffirmed DTX as a regional priority in Plan Bay Area and increased regional commitment**



- **Continue to seek discretionary funding from US Department of Transportation, US Department of Homeland Security, and State of California, decreasing amount of financing used**
- **Continue to seek full funding for Phase 2 DTX**
 - **Work with local funding partners to obtain local funding commitment as part of the New Starts Funding Plan**
- **Seek additional funding for Transit Center operations and maintenance**



COMMUNITY OUTREACH REPORT



2016 Milestones & Accomplishments **Community Outreach**

- Hosted regular community meetings at TJPA office
- 10-day look-ahead email updates to neighbors on a weekly basis
- Staffed 24-hour construction hotline
- Continued with regular newsletters and social media to highlight project components and milestones
- Over 80 tours to schools, business groups, media, professional/trade associations, funding partners, government officials, and other interested parties
- Faces of Transbay: New videos featuring Small Business Enterprise owner Karwana Dyson & TJPA's 2016 summer interns



2016 Milestones & Accomplishments **Community Outreach**

- **Ongoing communications to neighbors regarding final concrete pours, completion of steel assembly, awning placement, and temporary bridge removal**
- **Targeted outreach to residents and property managers along the Bus Ramp corridor**
- **Targeted outreach to residents regarding night work for Bus Ramp construction and bridge removal**
- **Worked closely with neighbors to help mitigate construction impacts, resulting in fewest complaints of any year since construction began:**
 - 2011 (6 months): 104 complaints**
 - 2012 (12 months): 78 complaints**
 - 2013 (12 months): 56 complaints**
 - 2014 (12 months): 43 complaints**
 - 2015 (12 months): 68 complaints**
 - 2016 (12 months): 41 complaints**



2016 Milestones & Accomplishments **Community Outreach**

- **Notable Recognition for Transbay Program in 2016:**
 - **Engineering News-Record's annual Best Projects Awards in the Specialty Contracting category- ENR California Region**
 - **Project highlighted as model for value capture and transformative transit-oriented development by Australian Minister of Major Projects, Territories and Local Government Paul Fletcher at Australian Institute of Landscape Architects Living Cities Workshop**
 - **UC Berkeley Fisher Center Real Estate Conference**
 - **Building Owners and Managers Association of San Francisco**



Plan for 2017 **Community Outreach**

- **Continue outreach to project neighbors as work progresses:**
 - Progress towards completion of Phase 1 construction
 - Completion of Bus Ramp construction
 - Completion of placement of exterior awning
 - Remaining temporary bridge removals
- **Press event to highlight completion of Bus Ramp**
- **Transition to Operations:**
 - Plan press event for grand opening
 - Coordinate with transit operators to educate public regarding transition and new amenities at Transit Center
 - Website update
 - Signage at Temporary Terminal and during initial operations
 - Community guides
 - Social media and press strategy
- **Continue 10-day look ahead email updates, monthly outreach meetings, meetings with neighbors and regular newsletters**
- **Continue to develop “Faces of Transbay” and increase social media presence**

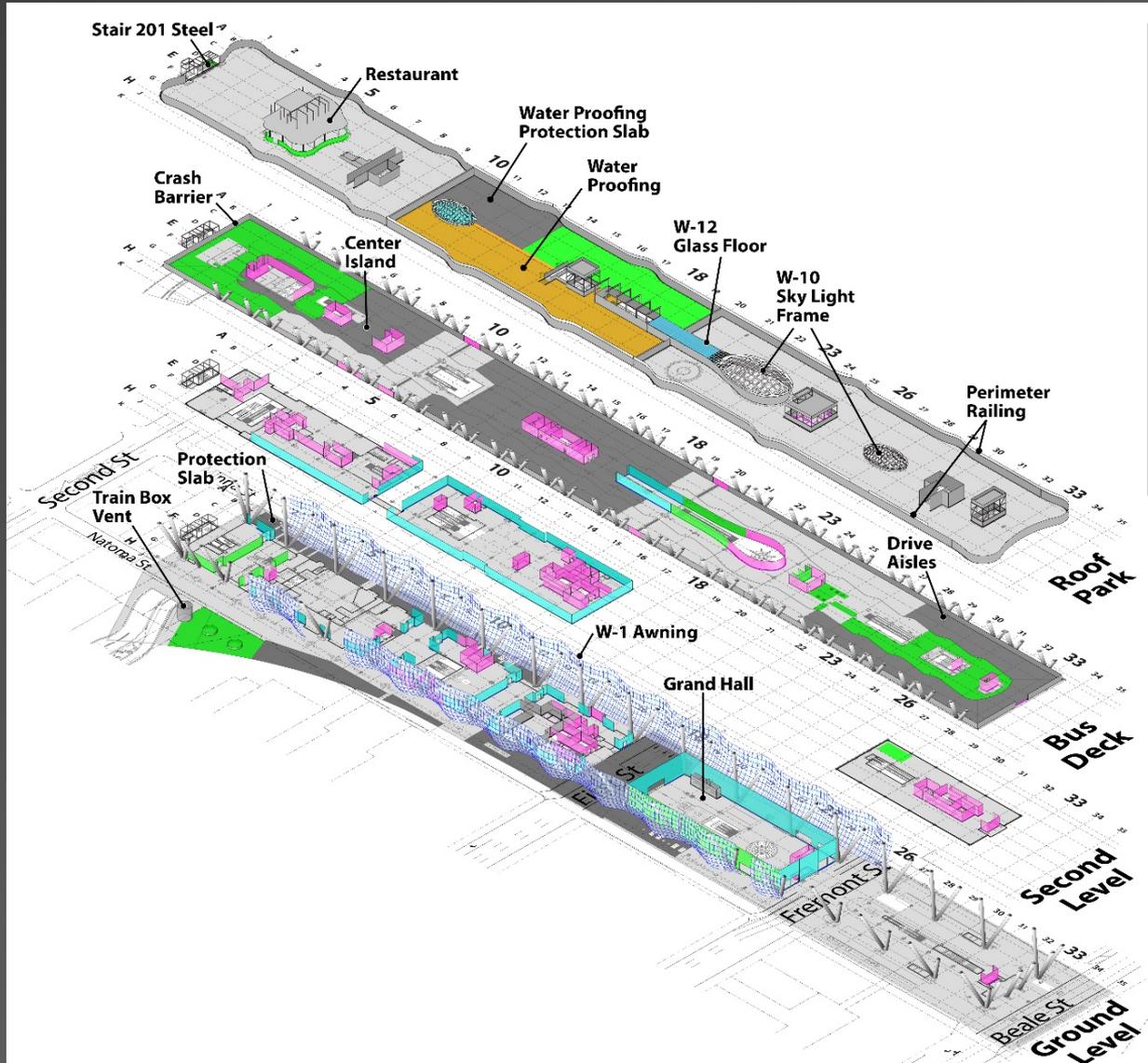


2016
MILESTONES &
ACCOMPLISHMENTS
Construction



2016 Milestones & Accomplishments

Construction Progress 2016



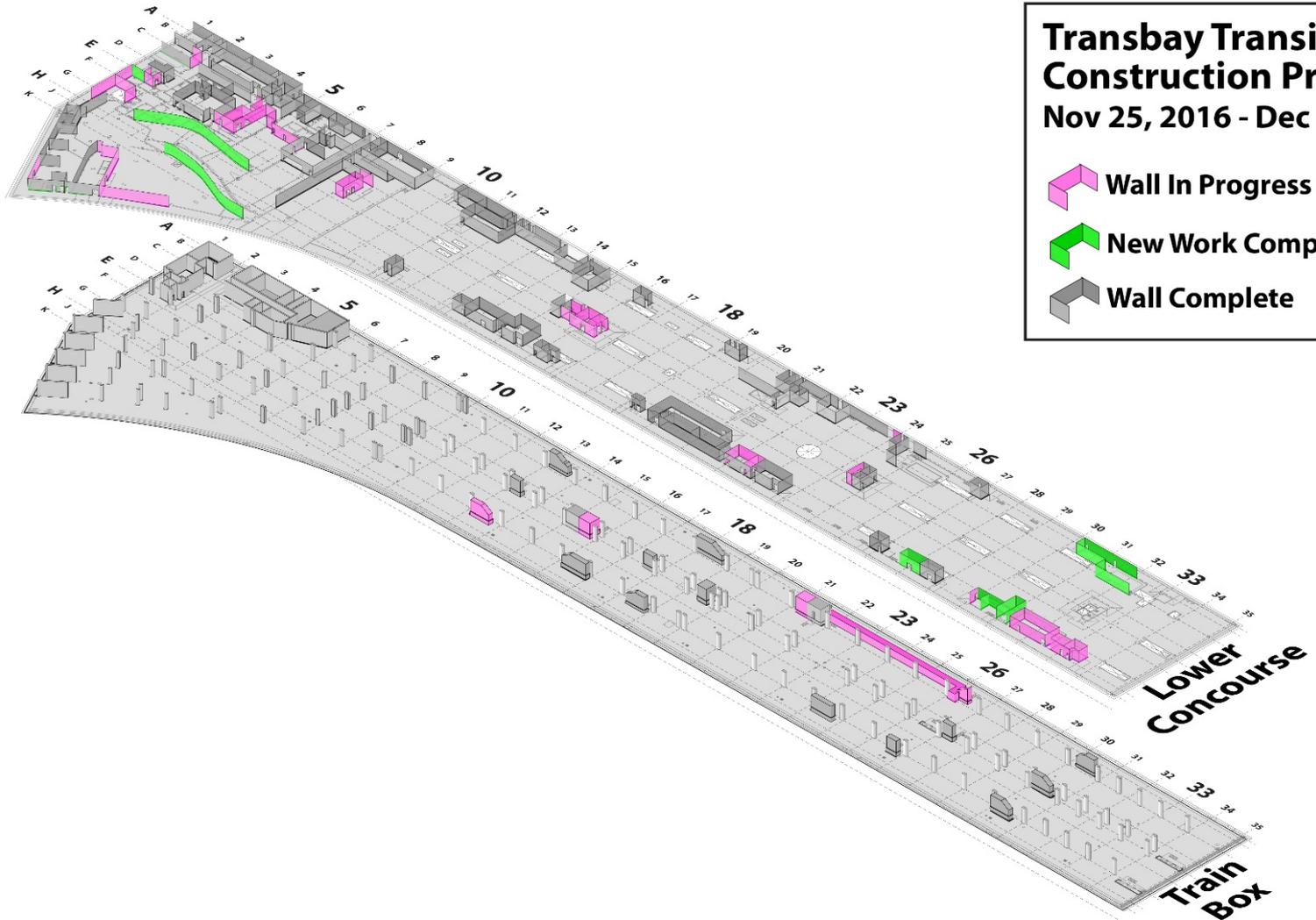
Transbay Transit Center Construction Progress
Nov 25, 2016 - Dec 22, 2016

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



2016 Milestones & Accomplishments

Construction Progress 2016



**Transbay Transit Center
Construction Progress
Nov 25, 2016 - Dec 22, 2016**

-  Wall In Progress
-  New Work Completed
-  Wall Complete



2016 Milestones & Accomplishments

Construction Progress 2016

January 2016



December 2016





2016 Milestones & Accomplishments Construction – Transit Center



- All Structural Steel erection was completed in January with welding and metal decks by end of April
- All Below Grade Concrete walls and decks completed in 2016
- All Superstructure Concrete placement on Transit Center's last metal decks and the train box lid were completed in November
- Bus Deck concrete drive aisle and commuter island area topping slabs are now 75% complete in December
- Spray-on fireproofing at all levels was completed in 2016



2016 Milestones & Accomplishments Construction – Transit Center



- W-1 Exterior Awning started in April 2016 and continues into April 2017
- W-2 and W-3 Glass Curtain Wall glazing started early 2016 and continues into 2017
- W-4 Glass Curtain Wall framing started at the roof oculus; W-4 completed including glazing at the Bus Deck in late 2016



- W-8 Rooftop glass canopy framing started in late 2016
- W-10 Rooftop glass skylights (3) framing completed in late 2016
- W-12 Rooftop glass floor framing and glazing completed in late 2016



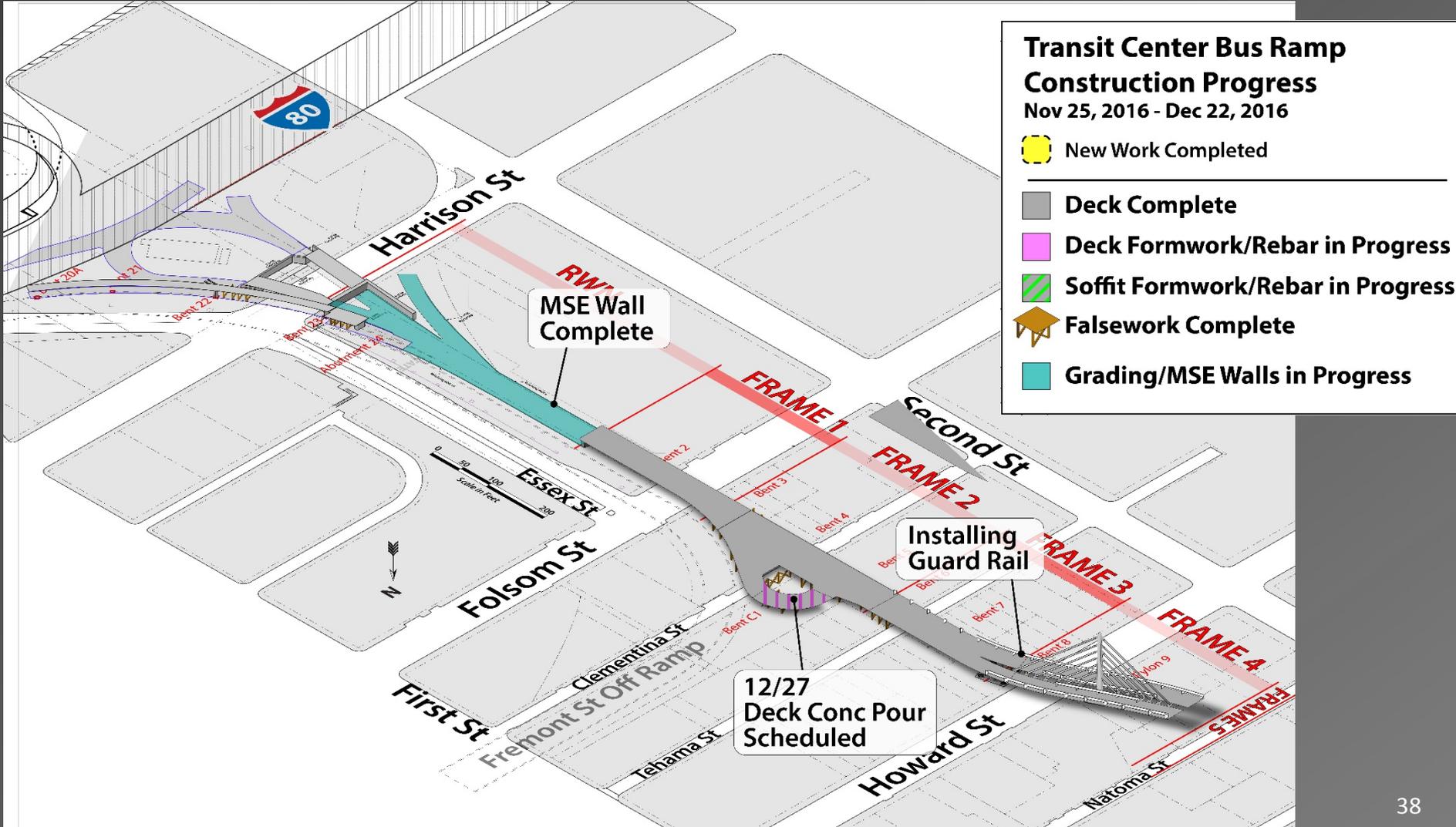
2016 Milestones & Accomplishments **Construction – Transit Center**

- **Plumbing, mechanical, HVAC and electrical conduit installation made great progress throughout 2016**
- **Concrete wall and curb placement and CMU wall placement continued, nearing 95% complete in late 2016**
- **Wall framing and gypsum wall board started and made good progress in 2016**
- **Stair installation framing, landings and railings continued making good progress in 2016**





2016 Milestones & Accomplishments Construction – Bus Ramp





2016 Milestones & Accomplishments

Construction – Bus Ramp

- Completed all Bus Ramp concrete viaducts from the Bay Bridge to the Transit Center including the bus turnaround
- Completed the cable-stayed bridge with all cables installed by early November 2016
- Fabrication & installation of Frame 5 “Steel Span” connection to Transit Center will complete in February 2017
- Completed majority of all MSE and retaining walls in 2016 including backfill





Transbay Transit Center Jobs Across the United States of America

As of November 30, 2016

Washington

Thompson Metal, Vancouver
Steel Columns & Transfer Girders
Insulfoam, Puyallup
Insulation
McClean Iron Works, Everett
Steel Frames

Oregon

Marks Metal Tech, Clackamas
Rolling & Metal Forming
Oregon Sandblasting, Tualatin
Metal Prep & Coating
Oregon Iron Works, Clackamas
Girders, Basket Columns
American Steel/Lampros Steel, Portland
Supply Steel Plates

California

Gerdau, Napa /San Diego/Long Beach
Reinforcing Bars
XKT Engineering, Vallejo
Cruciform SLRS Vertical Members
Bratton Masonry Inc., Fresno
Masonry
Mageba, San Jose
Pendulum Bearings
ISAT, La Mirada
Seismic Anchors
TWI, Los Angeles
Curtain Wall Steel Frames
Harris Rebar, Livermore
Reinforcing Bars
Pacific Erectors, Rocklin
Metal Wall Panel System
The Herrick Corp, San Bernardino
WF Shape, SLRS Steel Members
DWIDAG-Systems, Long Beach
Reinforcing Bars/HS Rods
NMI Industrial, Sacramento
Steel for Stairs
Desert Mechanical, Sylmar
HVAC, Plumbing
Mason Industries Inc, Anaheim
Seismic bracing and Isolation
Tiger Tanks, Bakersfield
Fuel Tanks



Nevada

Performance Pipe, Reno
Geothermal System
Southwest Specialty, Las Vegas
Metal Ceilings

Colorado

Rail Service Corp, Lakewood
Transit Communications Systems
Johns Manville, Denver
Insulation Systems

Arizona

Stinger Bridge & Iron, Coolidge
Cable Stay Steel Plates
Coyote Steel, Fountain Hills
Steel Beams for Falswork
Clayton National, Scottsdale
Fireproofing
Vinyltech Corp, Phoenix
PVC Pipes

Utah

Star Seismic, Salt Lake
Seismic Braced Frames

New Mexico

Insight, Rio Rancho
LED Lighting

Oklahoma

Hilti, Tulsa
Firestop Products, Anchors

Kansas

Bradken, Atchison
Large Steel Shapes
Viega, Wichita
Pipe Fittings

Nebraska

G4S Technology, Omaha
Security Systems
Diamond Plastic, Grand Ills
PVC Pipe

Missouri

Bradken, St. Joseph
Cast Nodes
Milbank, Kansas City
Junction Boxes
Carboline, St Louis
Performance Coatings
H.E. Williams, Carthage
Light Mountings
Bull Moose Tube, Chesterfield
Mechanical & Structural Tubing

Minnesota

Innovent, Minneapolis
Indoor Air Handling Unit
Valspar, Minneapolis
Extrusion Coatings
Twin City Hose, Rogers
Forged Metal Hose

Iowa

EFCO Corp, Des Moines
Concrete Forms
Elco Const., Decarah
Metal Fasteners, Anchors
Viking Pump, Cedar Falls
Pumps

Illinois

Delta Structures Inc, Addison
Space Frame Design & Fab
Scot Forge, Spring Grove
Forged Pins
Circle Metal Specialties, Alsip
Custom Steel Design & Fab
Allied Tube & Conduit, Harvey
Rigid Steel
Larson Engineering, Chicago
Curtain Wall Engineering

Kentucky

General Cable, Highland Heights
Electrical Cable
Republic Conduit, Louisville
Electrical Conduit

Michigan

Williams Form Eng, Belmont
Supply HS Rods
Ward Connector, Holland
HVAC Components
Indiana
Crown Corr, Gary
Curtain Walls/Awning
RACO, South Bend
EMT Fittings
Nibco, Elkhart
Flow Control Products
Thermafiber, Wabash
Mineral Wool Insulation

Wisconsin

Wisconsin Centrifugal, Waukesha
Spun Cast Pipes
Weil Pump Co, Cedarburg
Water Heaters/Controls

Ohio

Lincoln Electric, Euclid
Welding Wire & Machines
Metal Tek, Sandusky
Spun Cast Pipe
Arto, Hannibal
Steel Plates
The Dyson Corp, Painesville
HS Rods
Picoma Industries, Cambridge
EMT Elbows, Steel Conduit
Columbia Eng. Rubber, Vandalia
Rubber Bellows
ClarkDietrich, West Chester
Steel Framing

New Hampshire

Burndy, Manchester
Pipe Compression Connections

New York

Hohmann & Barnard, Hauppauge
Waterproofing
Watson Bowman Acme, Amherst
Structural Sealing Joint System
Karp Assoc Inc, Melville
Access Doors
Garlock, Palmyra
Pipe Fittings/Gaskets

Massachusetts

Berry Plastics, Franklin
Waterproofing
Sarnafil, Canton
Waterproofing

Rhode Island

APC, West Kingston
Uninterrupted Power Supply

Connecticut

Bridgeport, Stratford
Electrical Fittings
United Tech. Co., Farmington
Security Systems
Bellimo, Danbury
Actuators

West Virginia

American Airworks, Sophia
Breathing Air Systems

Pennsylvania

Ward Mfg, Blossburg
Pipe Fittings
ArcelorMittal, Coatesville
Steel Plates

Chapel Steel, Pottstown

Steel Plates
ESAB, Hanover
Welding Materials

Wheatland Tube Co., Scranton
Conduit Locknuts, Bushings
PPG Industries, Pittsburgh
Industrial Coatings

New Jersey

Barrett Roofs, Millington
Waterproofing
Sika Corp, Lyndhurst
Waterproofing

Maryland

US Bulletproofing, Hyattsville
Glass Doors
Larsen Products, Jessup
Concrete Bonding Agents
ElSCO, Owings Mills
Elevator Roller Guides

Delaware

Evazr Claymont, Claymont
Steel Plates

N. Carolina

Schindler, Clinton
Escalators
Nucor, Cofield
Steel Plates

Galvan Ind., Inc, Harrisburg

Grounding Rods
Austin Elec., Yadkinville
Grounding Rods

S. Carolina

Otis, Florence
Escalators
Apollo Valves, Pageland
Valves

Alabama

Reliable, Geneva
Louvers
Jay R. Smith Mfg, Montgomery
Landscape Drainage
US Pipe and Foundry Company
Pipes

Georgia

Gardner Metal Sys., Acworth
Curtain Walls
Southwire Co, Carrollton
Flexible Steel Conduit
PNA Construction, Atlanta
Dowel Aligners & Plates
Superior Essex, Atlanta
Fiber Optic Cables
Tencate Mirafi, Pendergrass
Mechanical Pads

Tennessee

Grace, Mount Pleasant
Foundation Water Proofing

Arkansas

Nucor-Yamato, Blytheville
Steel Shapes
GRT Robber-Tech, Paragould
Bearing Pads

Florida

Berg Steel Pipe, Panama City
Steel Shapes
Trullite, Tamarac
Laminated Glass
Gunderlin, Hialeah
Elevator Cabs

Texas

Encore Wire, McKinney
Grounding Cable
VSL, Fort Worth
Cable Stay Bridge
Joy Global, Longview
Special Fabrication
Wyman Gordon, Houston
Light Column Rings
De Neef, Houston
Waterstops

Louisiana

Bradken, Amite
Steel Shapes, Cast Nodes
Gordon Inco, Bossier City
Metal Ceiling Design



Total Jobs Created

Off-site Jobs
Created



Local: 11,993* | Beyond SF Bay Area: 5,897

* Jobs created in the San Francisco Bay Area from demolition of the old Transbay Terminal, construction of the Temporary Terminal, Transbay Transit Center and, Bus Ramp.



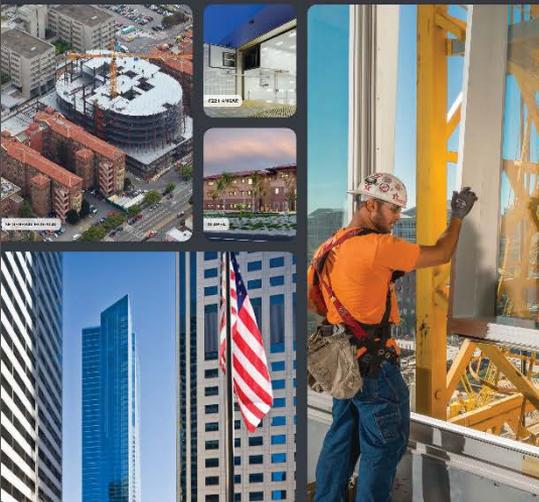
WEBCORBUILDERS

Hiring Our Heroes



We are proud to hire United States Veterans to perform a variety of trades.

Join us today!



2016 Milestones & Accomplishments Construction – Veterans Outreach

- Webcor/Obayashi worked with “Helmets to Hardhats” and other similar organizations to help veterans obtain work on the Transbay project and with other contractors
- Turner and Webcor/Obayashi hosted the first annual Veterans Day appreciation lunch for the dozens of veterans employed on the Transit Center project
- Attended the following Veteran/On-Base Career Fairs:
 - Marine Corps Muster Career Fair – San Jose
 - HIRE GI Veterans Career Fair – Alameda, Santa Rosa, San Diego
 - Hiring Our Heroes Veterans Career Fair – Los Angeles and Oakland
 - Naval Base Ventura County Spring and Fall Career Fairs
 - Naval Base San Diego Spring Career Fair
 - Marine Corps Camp Pendleton Career Fair



2016 Milestones & Accomplishments

Safety and Labor Statistics

2016 Recordable & Lost Time Incidents:

Recordable Incidents in Q4 time period:	1	Lost Time Incidents in Q4 time period:	1
Total Recordable Incidents in 2016:	9	Total Lost Time Incidents in 2016:	1
WOJV Average Annual Recordable Incident Rate 2011 Through 2015	4.35	WOJV Average Annual Lost Time Incident Rate 2011 Through 2015:	0.75
Nat'l/ State Annual Average Recordable Incident Rate 2011 Through 2015:	3.43	Nat'l/ State Annual Average Lost Time Incident Rate 2011 Through 2015:	1.85

2016 Craft Hours:

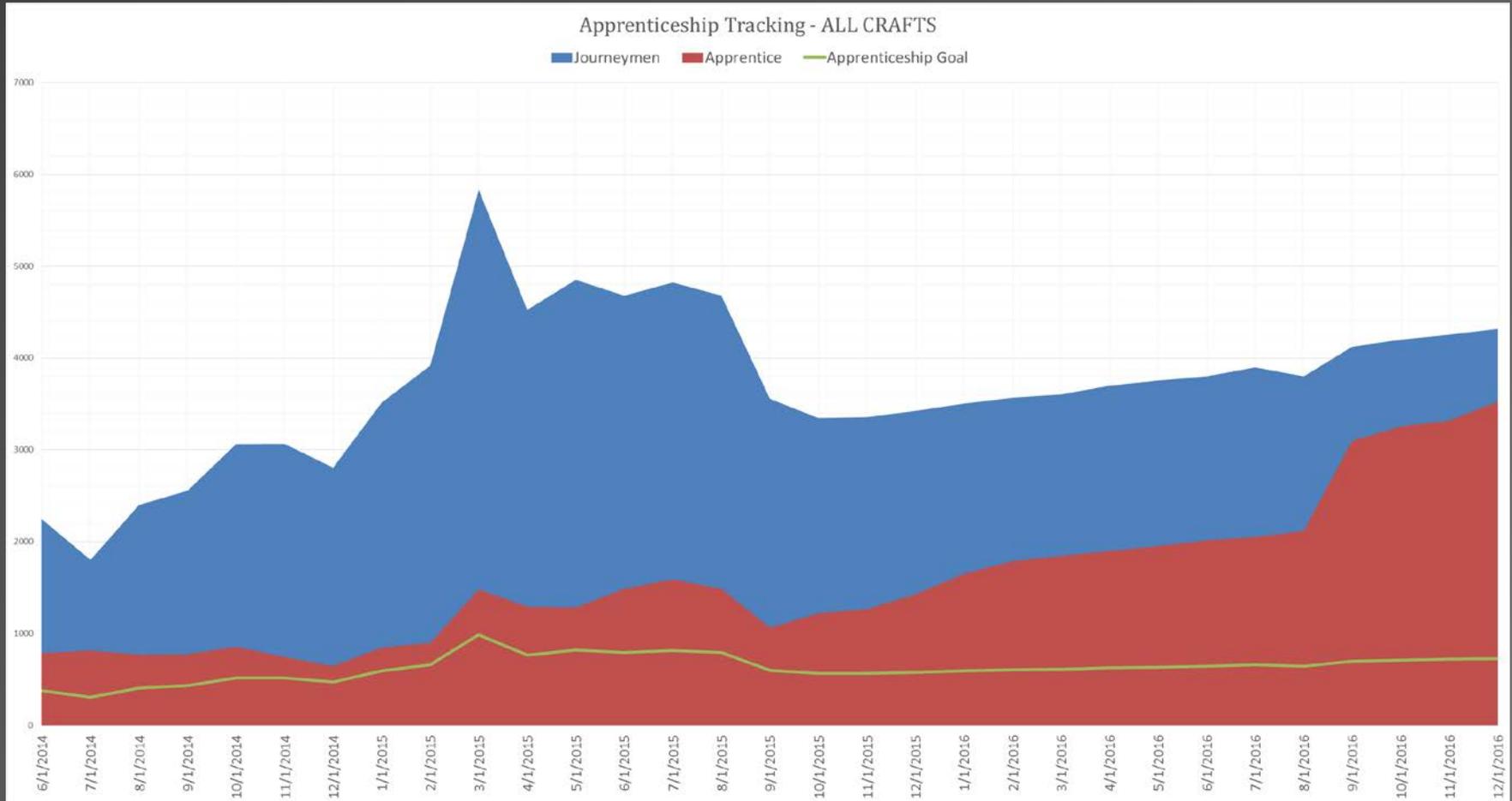
Total Transit Center Craft Hours through Dec. 15, 2016:	Total Transit Center Year 2016 Craft Hours through Dec. 15, 2016:
2,845,498	919,171



2016 Milestones & Accomplishments

Apprenticeship Tracking

All Crafts thru 12/15/16





2016 Milestones & Accomplishments

Labor Statistics

Person Hours by Local Area

	Through December 15, 2016	
Location	Total Hours Completed	Percent of Total
East Bay (Alameda, Contra Costa, Solano)	1,213,436	43%
North Bay (Marin, Napa, Sonoma)	121,125	4%
South Bay (San Mateo, Santa Clara)	271,423	9%
San Francisco	419,854	15%
Other*	819,660	29%
Totals	2,845,498**	100%

*Other includes workers from throughout California including the Central Valley as well as workers from out of state who are onsite for specific tasks

**Total hours are for the Transit Center construction work and do not include the initial Demolition work represented by a total of approximately 55,000 craft hours



2016 Milestones & Accomplishments **Progress to date - Students**

2016 TJPA Summer Internship Program

- **The TJPA hosted 4 local high school students interested in pursuing careers in engineering, design, finance and communication**
- **Turner hosted 2 local high school students interested in pursuing careers in construction**
- **Webcor/Obayashi hosted 3 college students and 1 high school student interested in pursuing careers in civil engineering and construction management**



PLAN FOR 2017
Construction &
Operational Readiness



Plan for 2017 **Construction – Bus Ramp**



- Complete all underground utility work in January 2017
- Cable-stayed bridge final jacketing by February 2017
- Bus Ramp Substantial Completion by April 2017
- Complete final punch list of the Bus Ramp roadways from Bay Bridge to the Transit Center by May 2017





Construction – Transit Center



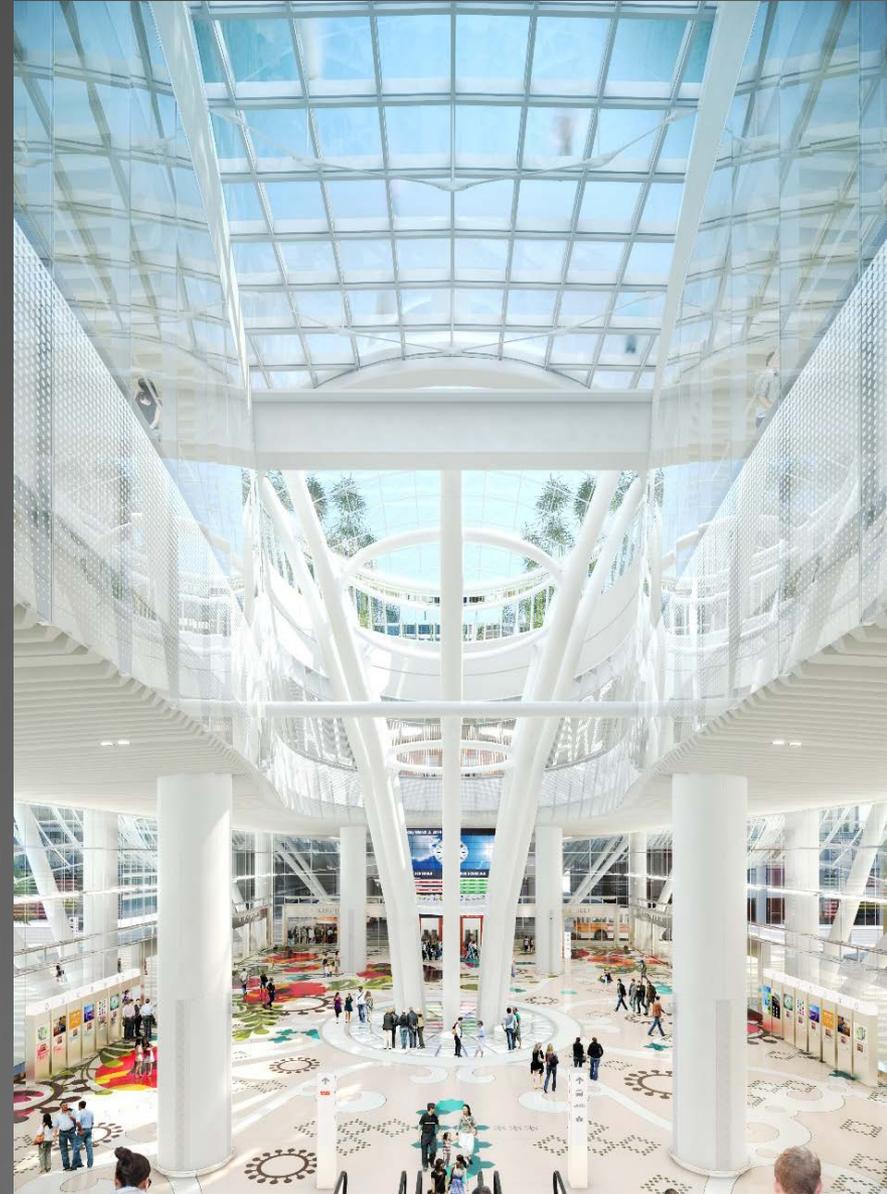
- Complete commissioning of critical systems and obtain Substantial Completion by December 22, 2017
- Complete installation and integration of data network and systems
- Complete installation and integration of audio visual equipment
- Complete installation of wayfinding and digital signage
- Complete installation of artwork



Transbay Transit Center

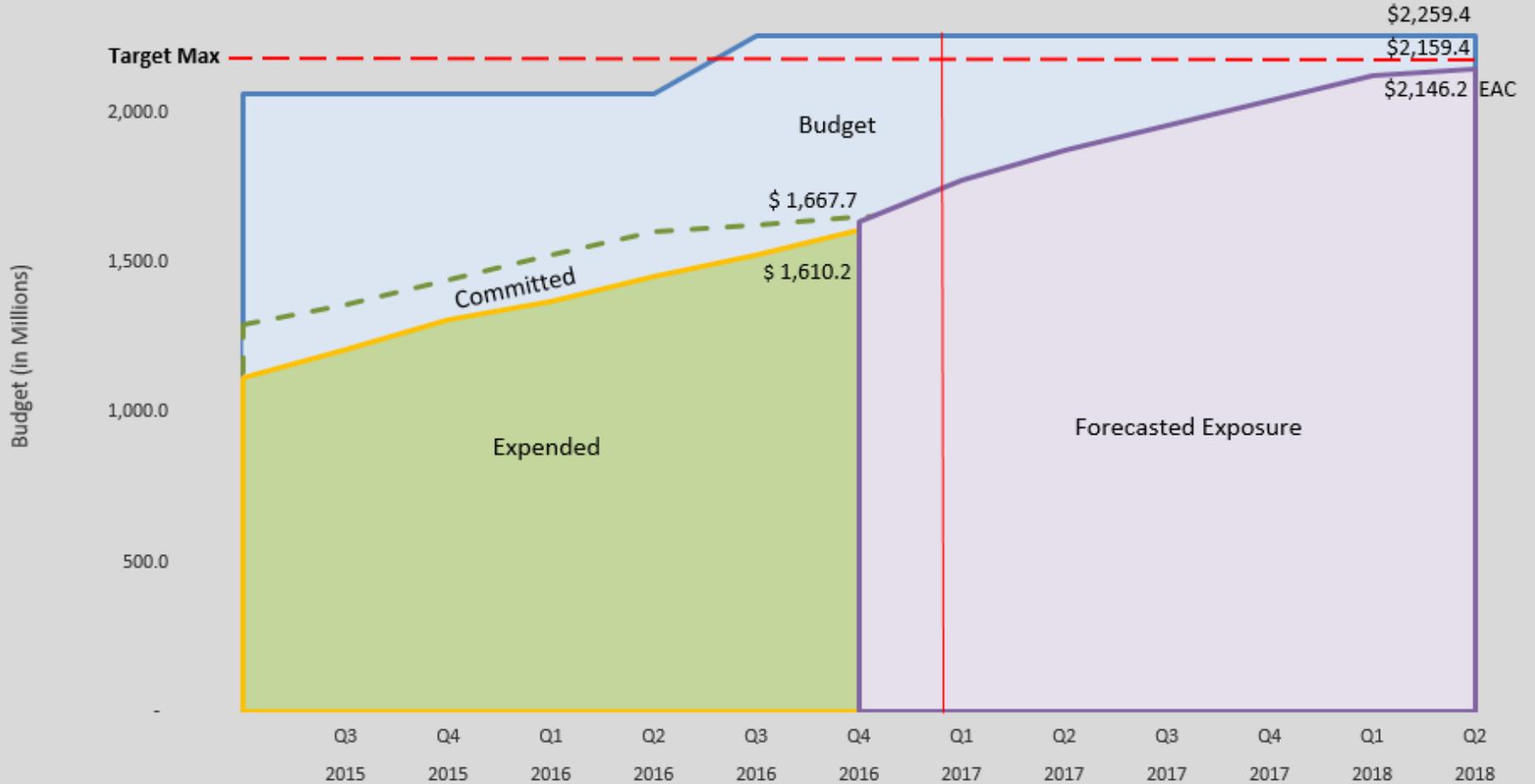
Plan for 2017

Construction – Transit Center

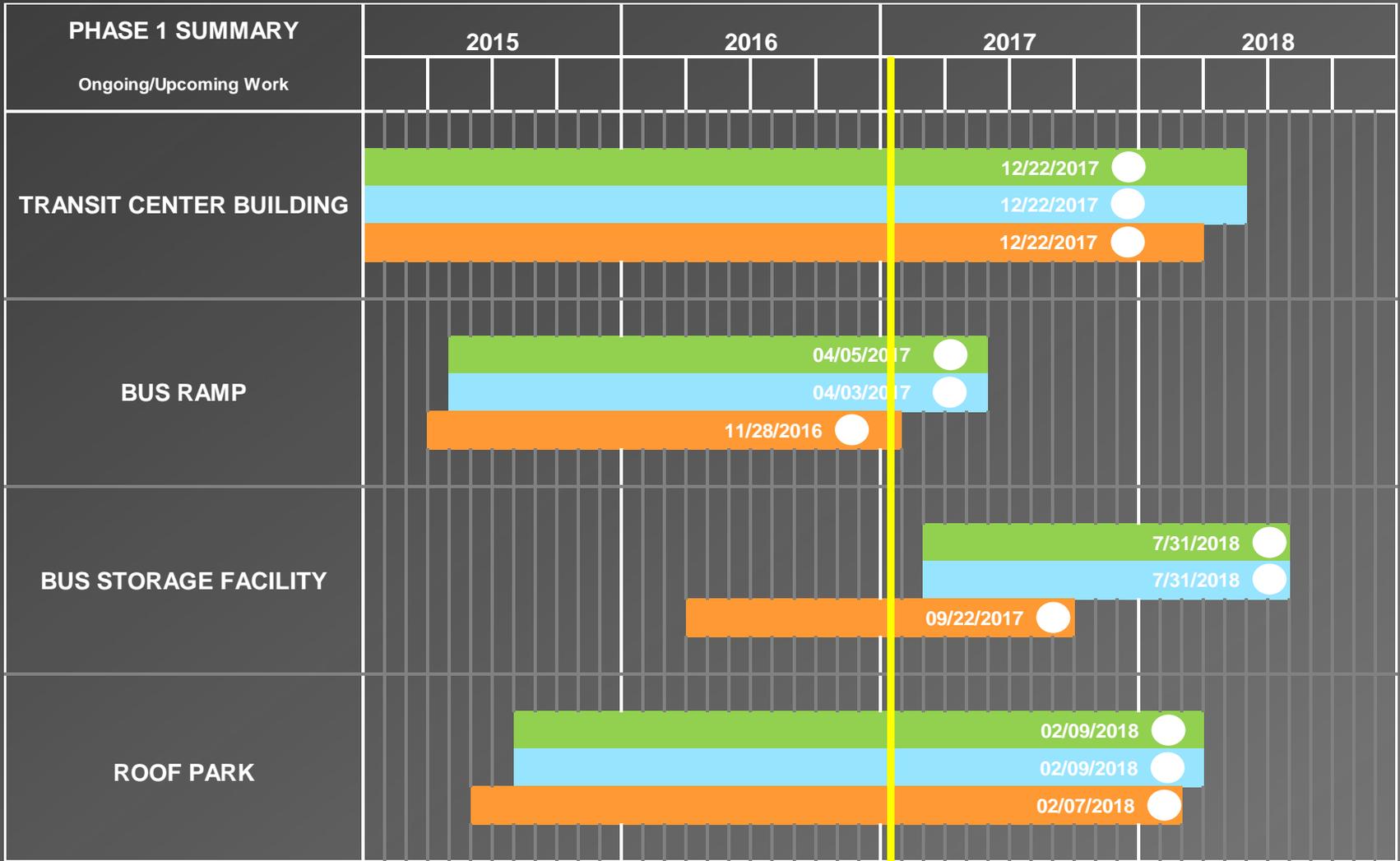




Phase 1 Transbay Transit Center Data thru: November 16



71% Program Budget
85% Contract Time



LEGEND
■ Current Forecast ■ Previous Report ■ Baseline ● Substantial Completion



Plan for 2017 **Operational Readiness**



Distinct Areas of Activation

- AC Transit Bus Deck & Grand Hall
- Bus Plaza
- First Floor Retail
- Second Floor Retail
- Rooftop Park Retail
- Rooftop Park
- Security Operations Center



Transit Operators

Bus Deck & Grand Hall

Training: August 2017

Activate: TBD

Greyhound Waiting Area

Tenant Improvements Start: TBD

Activate: TBD

Security Operations
Center

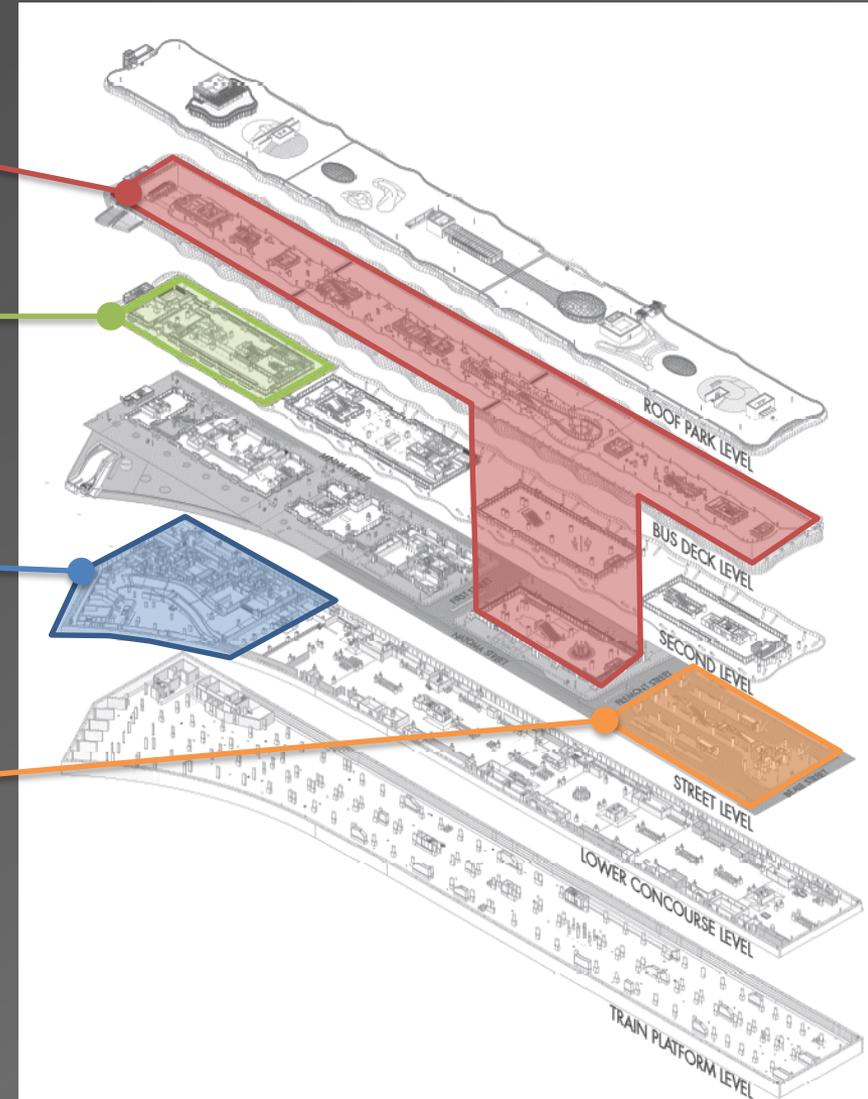
Training: October 2017

Activate: TBD

Bus Plaza

Training: July 2017

Activate: TBD





Master Lessee

Rooftop Park & Restaurant

Park Activation: February 2018

Restaurant TI: TBD

Restaurant Activation: TBD

Second Floor Retail - West

Tenant Improvements Start: July 2017

Tenant Improvements Complete: TBD

Activate: TBD

First Floor Retail - West

Tenant Improvements Start: July 2017

Tenant Improvement Complete: TBD

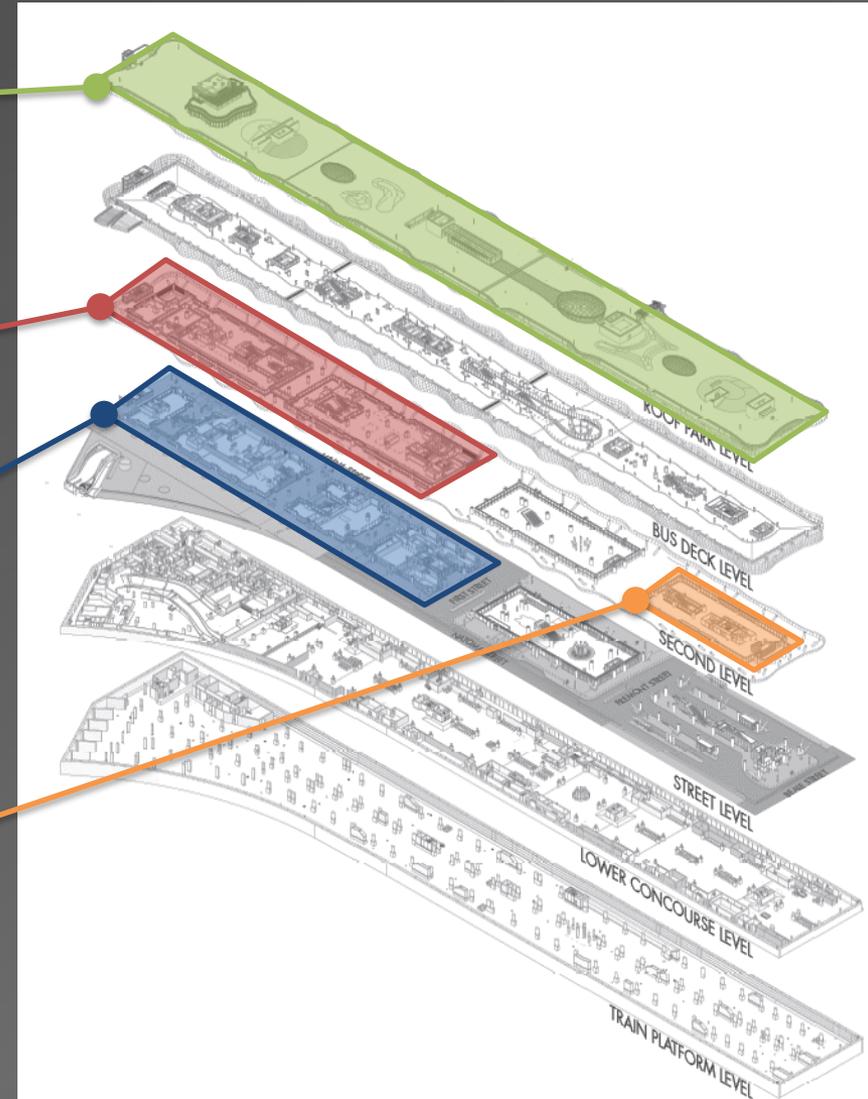
Activate: TBD

Second Floor Retail - East

Tenant Improvements Start : July 2017

Tenant Improvement Complete: TBD

Activate: TBD





Operational Readiness

Transition Planning & Responsibilities

Transit Tenants and Operations

- AC Transit Bus Deck & Bus Plaza Fixtures, Furniture & Equipment & Tenant Improvements
- IT, Communications & Signage
- Bus Driver Training

Facilities Operations & Maintenance

- Common Area & Back of House Support
- Provision & Training of Stationary Engineers, Custodial & Security
- Grounds Keeping & Maintenance

Property Management & Leasing

- Retail Leasing
- Tenant Improvements



Plan for 2017 **Operational Readiness**

Pre-Activation Considerations

- MOU / Lease Agreements
- Onboard operational staff
- Security Guard RFP
- Cellular Distributed Antenna System Installation
- Outreach Activities
- Initiate Temporary Terminal Deactivation



Commissioning & Training

Transit Agency Training

- **Bus Deck: AC Transit, Amtrak, Greyhound, & WestCAT Driver Training**
- **Bus Plaza: Muni & Golden Gate Driver Training**

Building Commissioning & Systems Training

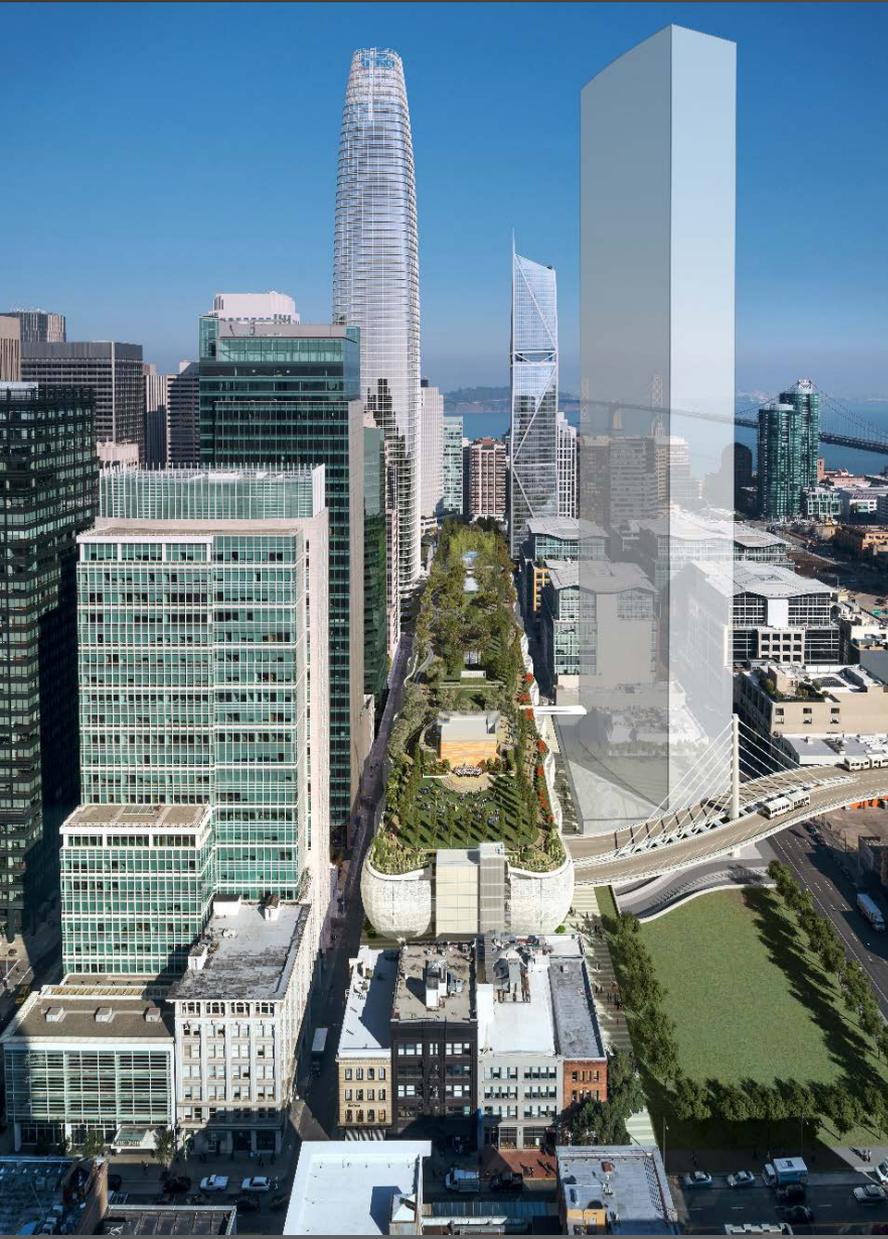
- **Master Lessee Facilities Training**
- **Webcor/Obayashi – Enovity Commissioning**
- **Security Staffing & Training**
- **Park Operations Staffing & Training**

Decommissioning Activity

- **Vacate Block 4 / Temporary Terminal**



Transbay Transit Center



Thank You

