

Transbay Program DTX/The Portal Project Overview

National Society of
Professional Engineers CA
October 26, 2023



Transbay Joint Powers Authority

- In 1999, San Francisco voters approved Proposition H making it City law to extend the northern terminus of Caltrain from south of downtown to a new or rebuilt regional transit station at the site of what was then the existing Transbay Terminal.
- The Transbay Joint Powers Authority (TJPA) was created under state law in April 2001. The TJPA has primary jurisdiction with respect to all matters concerning the financing, design, construction, and operation of the Transbay Program.
- Joint Powers Authority Member Agencies
 - **City & County of San Francisco**
 - Office of the Mayor
 - San Francisco Municipal Transportation Agency
 - San Francisco Board of Supervisors
 - **Alameda-Contra Costa Transit District**
 - **Peninsula Corridor Joint Powers Board (Caltrain)**
 - City & County of San Francisco
 - San Mateo County Transit District
 - Santa Clara Valley Transportation Authority
 - **California High-Speed Rail Authority**
 - **California Department of Transportation (Caltrans)**



Transbay Program



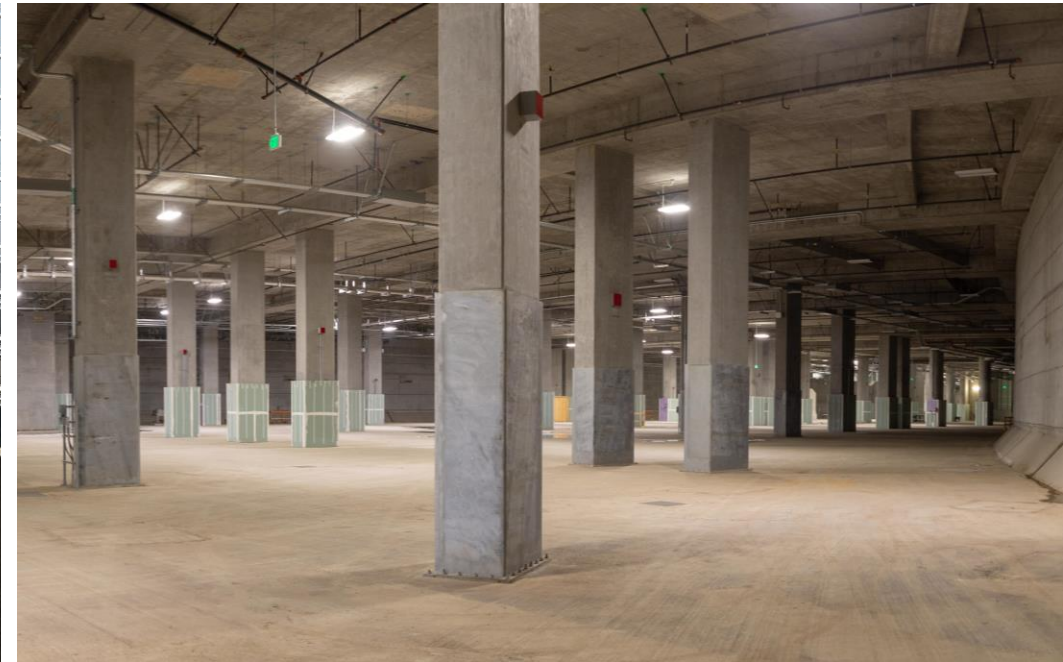
Before



After

- Replace former Transbay Terminal with a multimodal Salesforce Transit Center
- Create a transit-oriented neighborhood featuring housing (35% affordable), open space, offices and shops
- Extend Caltrain and California High-Speed rail service into downtown San Francisco through The Portal.

Phase 1: Salesforce Transit Center



- The multimodal facility in downtown San Francisco is operational, providing transit, retail and wellness services.
- Four-blocks consisting of six-levels: four-levels open to the public while two-levels awaiting rail connections.
- Completed two-level below-grade train box
- Funded with a \$400 million *American Reinvestment and Recovery Act* grant and \$328.5 million of local funds
- Ready for station fit-out and rail service

Transit Center

Jobs Across the United States of America

Washington

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

Idaho

Base Line Irrigation, Boise
Irrigation Products

Oregon

Marks Metal Tech, Clackamas
Rolling & Metal Forming
Oregon Sandblasting, Tualatin
Metal Prep & Coating
Oregon Iron Works, Clackamas
Girders, Basket Columns
American 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
DYWIDAG-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

Montana

Microlab, Bozeman
Power Splitter/Couplers

Wyoming

Baroid, Colony
Slurry for CDD Piles

Nevada

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

Kansas

Bradken, Atchison
Large Steel Shapes
Viega, Wichita
Pipe Fittings



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

North Dakota

GPX Products, Fargo
PVC Pipe Fittings

South Dakota

Daktronics Inc, Brookings
Bus Ramp Changeable Message Signs

Nebraska

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

Missouri

Bradken, St. Joseph
Cast Nodes
Architectural Systems, Monett
Metal Panels
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
Flexible Metal Hose

Iowa

EFCO Corp, Des Moines
Concrete Forms
Elco Const., Decorah
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 Cor, 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
Well Pump Co, Cedarburg
Water Heaters/Controls

Ohio

Lincoln Electric, Euclid
Welding Wire & Machines
Metal Tek, Sandusky
Spun Cast Pipe
Artco, 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

Maine

Woods End Labs, Mt Vernon
Analytical Soil Testing

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

Belimo, 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

Total Jobs Created

Local: 13,508* | Beyond SF Bay Area: 10,550

Cities: 500+ | Companies: 900+

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

Off-site Jobs
Created

500 200 100



Providing Important Community Services

- **Transit Services** – Nine connections to eight counties
- **Park Programming** – Free activities daily: 620 in 2022
- **Tenant Spaces** - 12 open with over 80% 100k sq ft leased



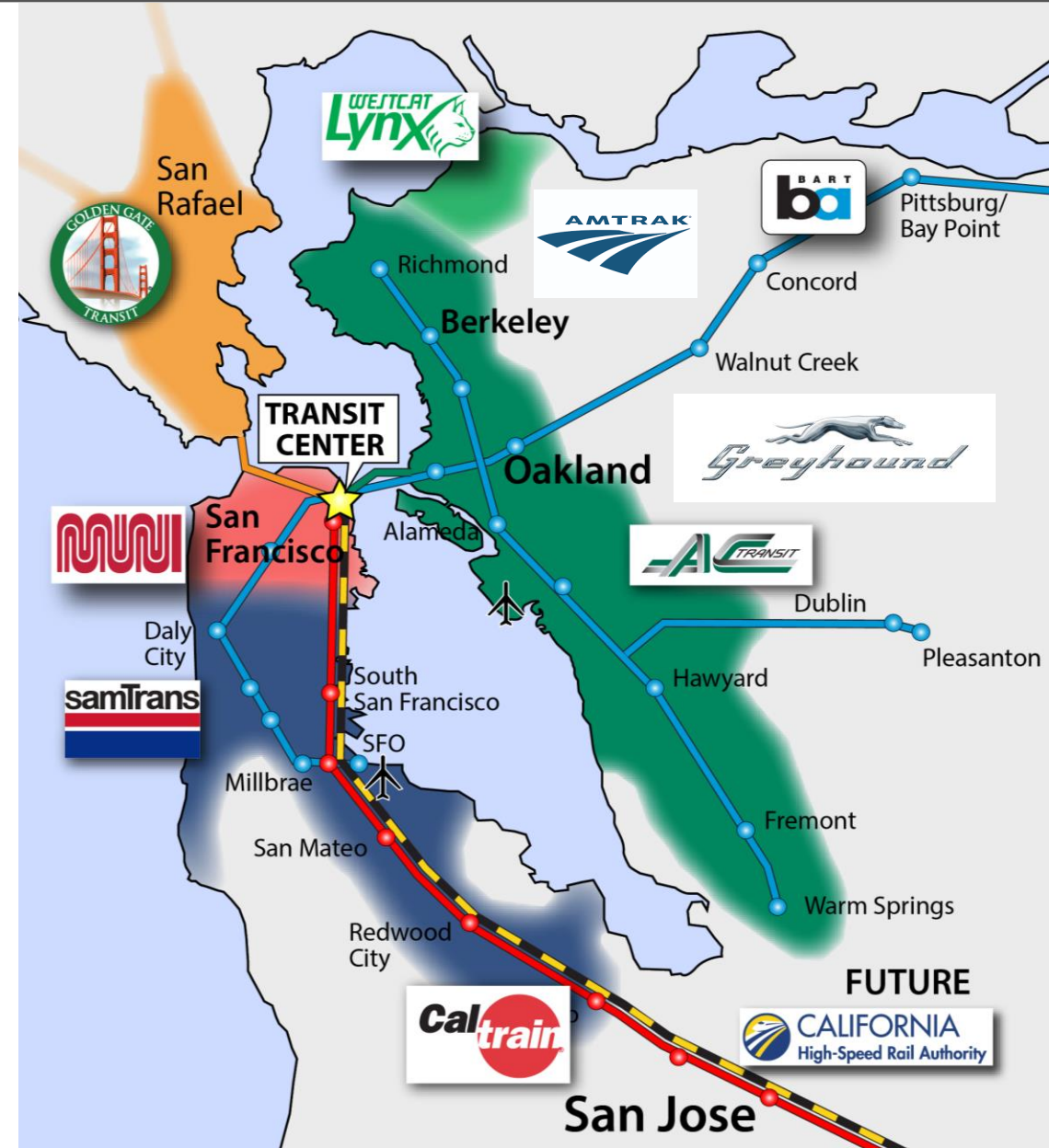
Salesforce Transit Center Station

- Already built two-level trainbox awaiting rail connections
- First basement level will be a mezzanine
- Second basement level will have train platforms

Regional Transportation Hub

The Salesforce Transit Center connects nine regional and local transit systems, providing jobs, housing and access from the East Bay to the Peninsula and South Bay.

Phase 2 – The Portal – when complete, will add direct connections to Caltrain's 77-mile system from the Peninsula and California high-speed rail to Southern California.



The Portal Benefits



- Allow seamless transfers of up to 90,000 daily riders through 11 transit systems*
- Provide a one-seat ride into downtown San Francisco from Silicon Valley and through the state's high-speed rail system
- Divert over 19,000 auto trips daily (in its first year of full operation)
- Provide equity priority communities, located within 1,000 feet of the two stations, access to an integrated transit system
- Improve air quality and reduces vehicle miles traveled (9.8 million metric tons of CO₂ reduced over 50 years)
- Create thousands of jobs, including through Small and Disadvantaged Business Enterprises and veterans' programs
- Enhance riders' access to employment, housing and services within San Francisco, along the Peninsula corridor and throughout the greater Bay Area

**Average of Caltrain, CHSRA, and TJPA ridership estimates*

Phase 2: The Portal - Key Regional Rail Connector

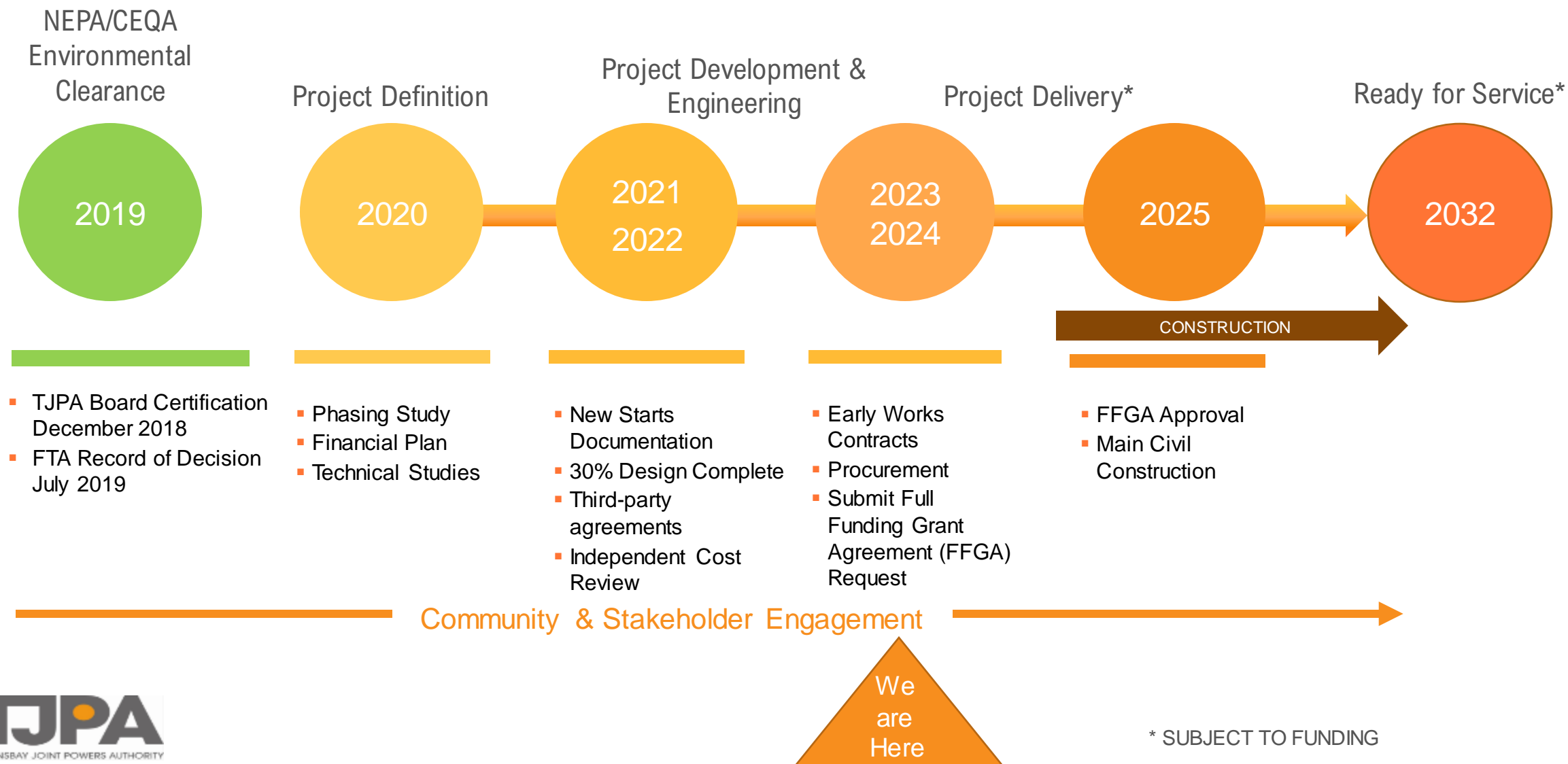


- Closes the gap to downtown San Francisco, enabling the Salesforce Transit Center's full potential and connecting 4,000 new Transbay units at 35% affordable
- Creates an essential mega-region link b/w several federal investments (train box, Caltrain electrification, HSR), and connects conventional-gauge through downtown for future Link21
- Improves sustainability and environmental quality
- A SAFETEA-LU Project of National and Regional Significance, long-standing regional New Starts priority, and regional priority since 1990

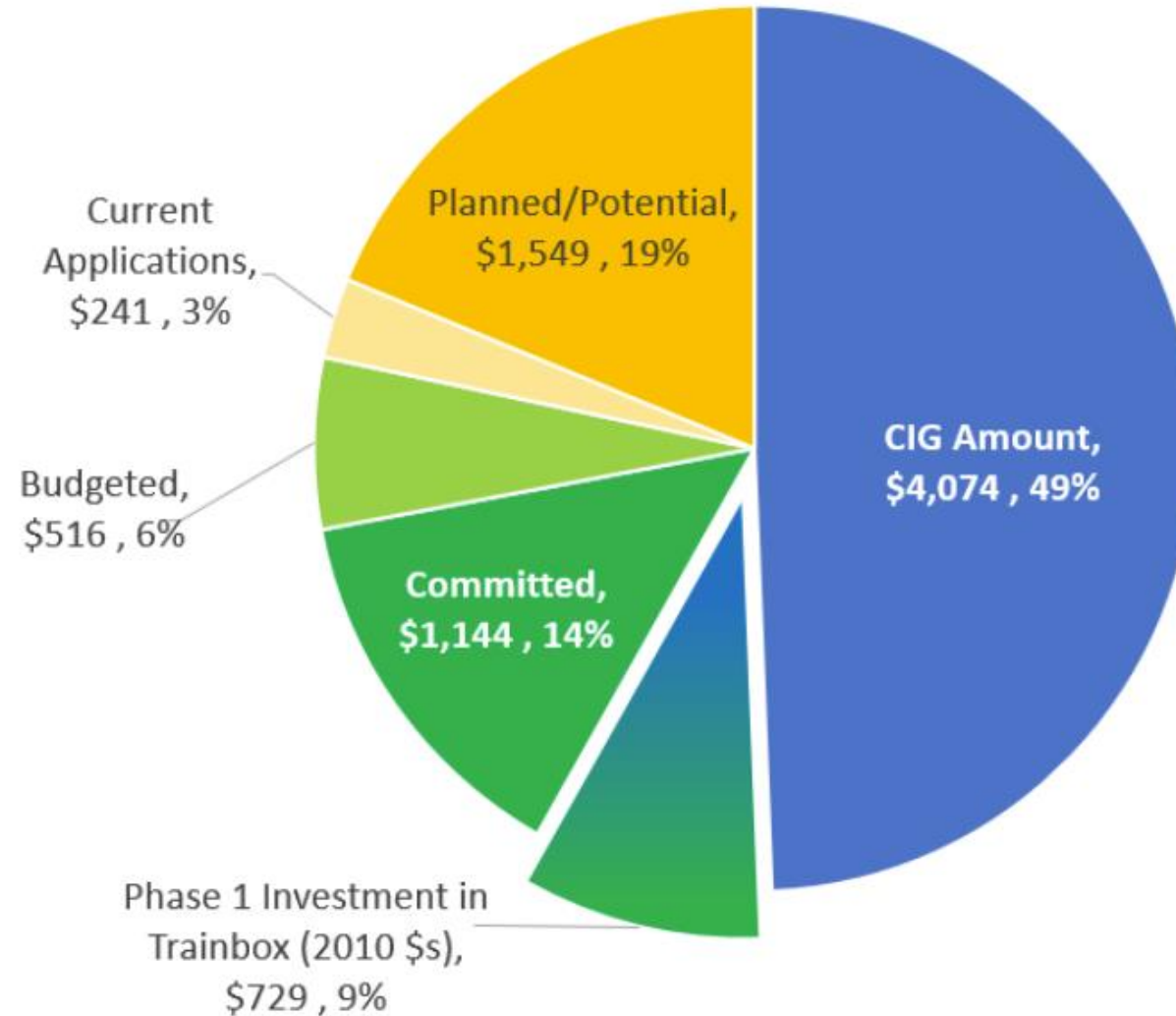
Alignment Map



Project Schedule



The Portal Funding

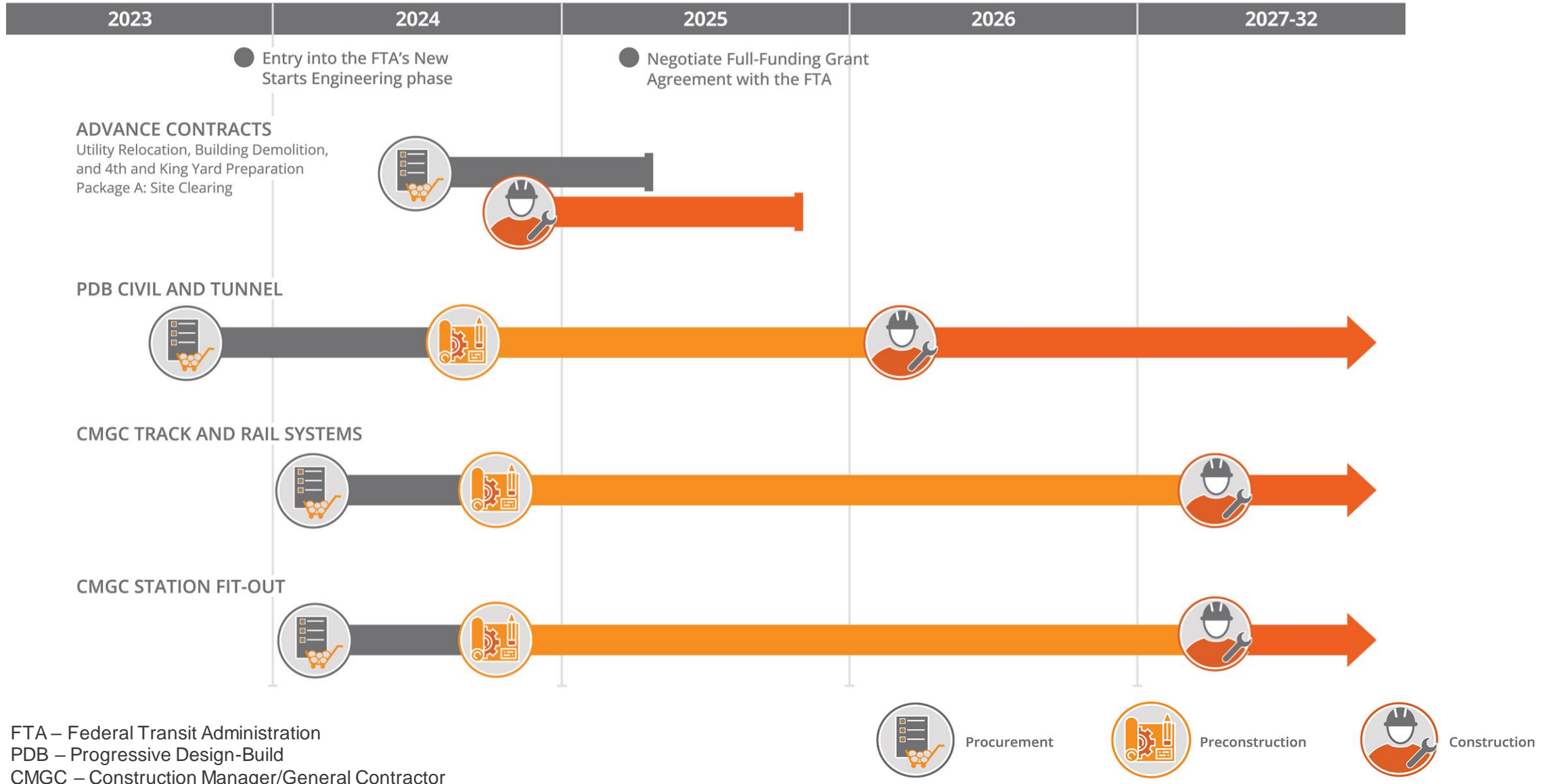


Proposed Construction Contracts

Full Name	Procurement Type
Utility Relocation	Design-bid-build (DBB)
4th and King Yard Preparation Package A: Site Clearing	DBB or Construction Manager/General Contractor (CMGC)
4th and King Yard Preparation Package B: Track and Systems	DBB or CMGC
Building Demolition	DBB
Civil and Tunnel	Progressive Design-Build (PDB)
Track and Rail Systems	CMGC
Transit Center Station Fit-out	CMGC

Project Delivery

*Dates are subject to change and dependent on funding availability



FTA – Federal Transit Administration
PDB – Progressive Design-Build
CMGC – Construction Manager/General Contractor

Civil and Tunnel Procurement Timeline



Procurement



Preconstruction



Construction

*Dates are subject to change and dependent on funding availability

- Procurement document development
- Advancement of design for design-bid-build contracts
- Successor governance framework development
- Funding advocacy
- Right of way acquisition
- Stakeholder agreements
- Coordination with local, state and federal agencies having jurisdiction



Anna Harvey, PE
Deputy Project Director Engineering
aharvey@tjpa.org

Visit tjpa.org for more information.

Follow us



425 Mission Street, San Francisco, CA 94105 • 415.597.4620 • www.tjpa.org