

BETTER BART. BETTER BAY AREA.

EMBARCADERO - MONTGOMERY CAPACITY PLAN & STATION MODERNIZATION

Project Purpose

Develop a phased implementation plan

for improvements to modernize and accommodate the increasing number of riders at Embarcadero and Montgomery Stations.



Study Objectives

1

Understand the setting, concerns of stakeholders and BART riders, and the relationship of project elements and setting.

2

Explore the viability of project elements:

- *New Side Platforms*
- *Platform Screen Doors*
- *Additional Elevator*
- *Pedestrian Connection to Transbay Terminal*
- *Direct BART-MUNI Transfer*

3

Identify implementation and phasing issues.



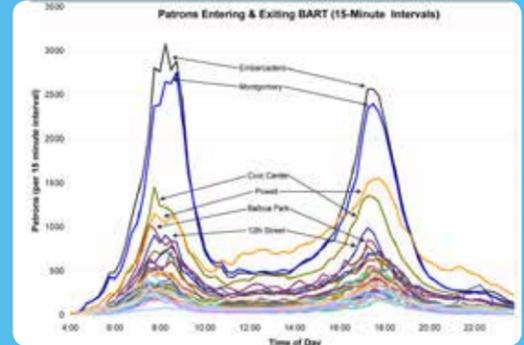
BART ... and you're there.

BETTER STATIONS.

UNDERSTANDING THE EXISTING CONDITIONS & CAPACITY CHALLENGES



Platforms get crowded during peak evening commute times.



BART's two busiest stations are Embarcadero and Montgomery.



The number of BART riders has been steadily increasing and ridership growth is expected to continue.

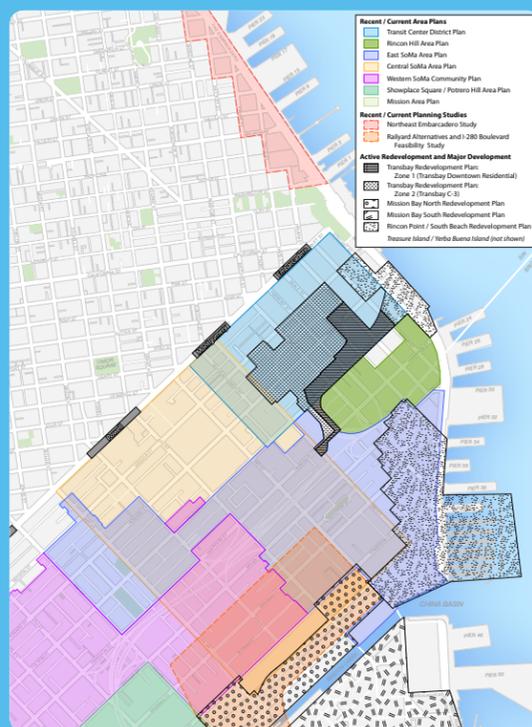


The demand for BART during peak morning hours is forecast to continually increase. Above is a preview of the year 2025.



Long lines develop at stairs and escalators during peak morning commute times.

Planning Context



The Transbay Transit Center Project.

Major planned development projects in the South of Market area are projected to bring additional ridership.



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BETTER STATIONS.

YOU SPOKE, WE LISTENED!

GREAT
IMPROVEMENT
SUGGESTIONS!

Embarcadero



2,858
survey respondents

AM AND PM IN-STATION EVENTS ON 10/28/2014

Montgomery



2,042
survey respondents

AM AND PM IN-STATION EVENTS ON 10/28/2014



BART

- held 4 in-station public information events during AM and PM commute times
- handed out 15,000+ 'postcards'
- received 4900 survey responses



Word cloud created from words most mentioned in the 2,746 individually written comments received for both stations combined. (The bigger the word, more often it was mentioned).

THANK YOU
for providing survey feedback!
All your comments and priorities
were reviewed and considered in
the planning process.

Survey Results: Your Top Priorities for both stations

Station Environment



- **More cleaning (70%)**
- More safety patrols/enforcement (47%)
- Additional or improved lighting (36%)

Station Access



- **Real-time train arrival displays at street and concourse levels (81%)**
- Canopies to protect entrances (54%)
- Clearer public announcements (50%)

Capacity Improvements



- **Additional platforms to relieve crowding (73%)**
- Faster escalators (65%)
- Reducing clutter on platforms (56%)

How your feedback was considered in the Recommended Capacity + Modernization Plans:

- **Improve passenger flow during rush hours:**
 - > Additional street entrances, new stairs, escalators, elevators
- **Improve elevator redundancy and reliability:**
 - > Larger, BART-dedicated elevator for existing platform and 2 elevators per side platform
- **Reduce platform crowding:**
 - > Reorganization of platform elements to reduce clutter and create more space, new side platform
- **Better space planning:**
 - > Expanded paid areas, free circulation between all entrances at concourse level, new retail/amenity space

- **Improve station environment:**
 - > Cleanliness and brightening
- **Better Information:**
 - > Better signage, more Real-time information on concourse and at street level

More frequent service, longer trains
Will be implemented incrementally as new railcars are delivered to increase BART's fleet size, and as a new train control system is installed.



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BETTER STATIONS.

CAPACITY PHASING AND IMPLEMENTATION (as funding becomes available)

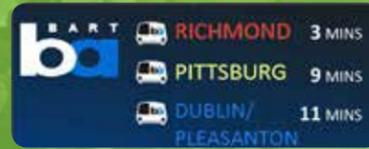
Analysis and review of ways to improve capacity has resulted in a list of specific projects and a general timeframe for implementation pending funding. Next steps are integration with the station modernization effort and seeking funds.

Early wins

Real-time information, different seating and relocating the janitorial closet creates more platform space.



Reduces platform crowding and improves passenger flow



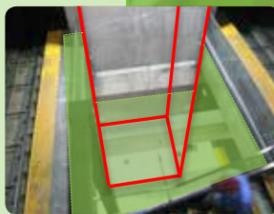
Timeframe

0-10 years

Embarcadero: elevator upgrades and more stairs

Creating better access and more flow: Construct more stairs next to existing escalators and add another platform elevator

- Relocate existing zigzag stairs to end of platform
- Construct new elevator for primary BART use
- Modify existing elevator for primary MUNI use



Montgomery: new stairs and elevators

A new elevator to the MUNI platform, additional stairs and escalators, replaced platform seating, to reduce platform crowding.



5-15 years

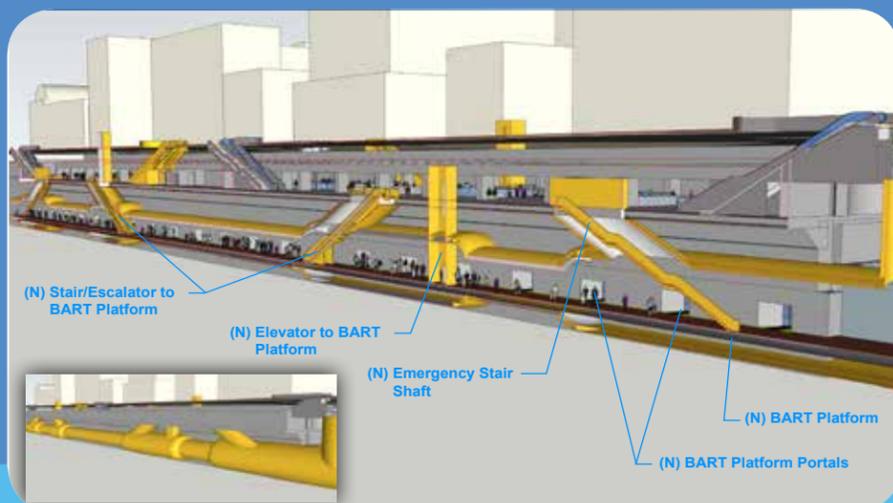
Platform screen doors

Platform doors increase capacity and safety on very crowded station platforms.



New side platforms

New stairs, escalators, and elevators would also be added to access the new side platforms.



Embarcadero east- and westbound

Montgomery eastbound only

10-20 years



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BETTER STATIONS.

EMBARCADERO RECOMMENDED CAPACITY IMPROVEMENTS

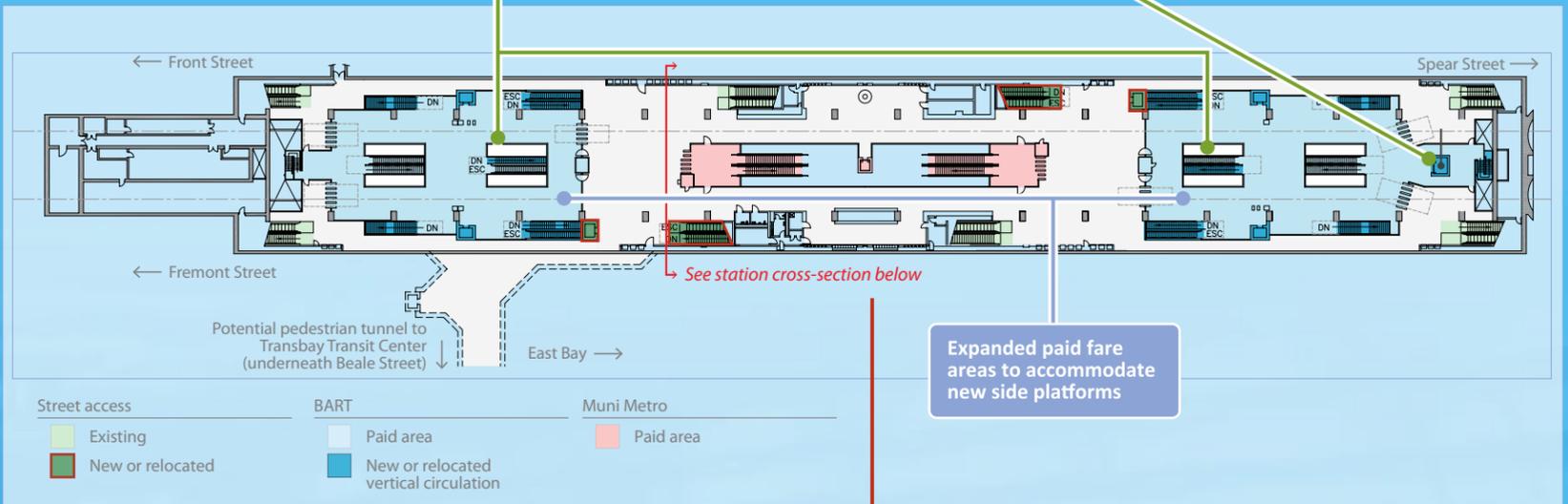
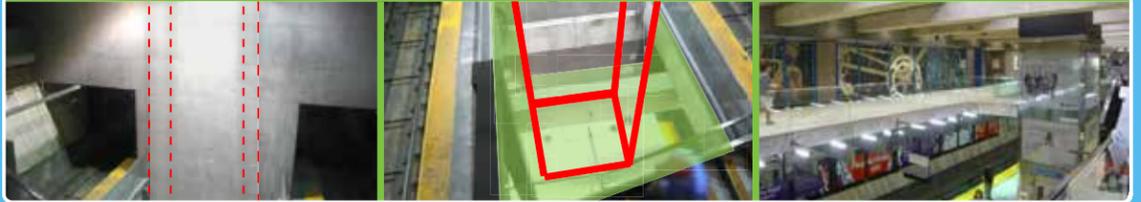


CONCOURSE

Circulation
Construct new stairs next to existing escalators

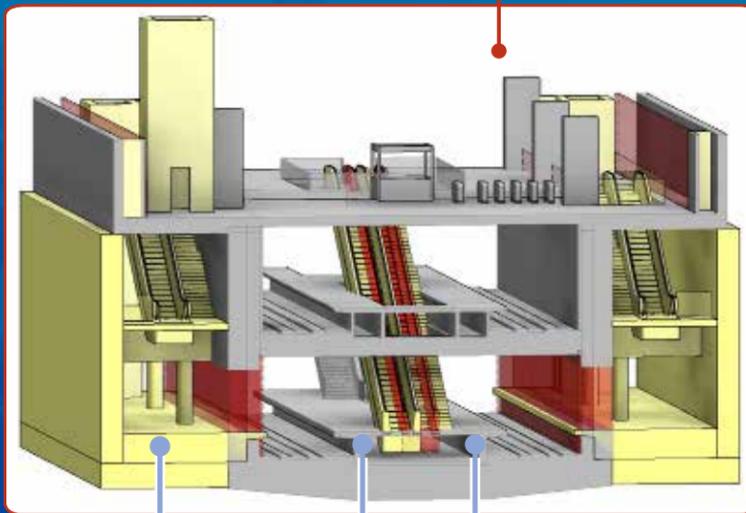


Move Stairs and Add New BART-only Elevator
Move stairway to end of platform Construct new elevator and decking Modify current elevator for primary Muni use



PLATFORM

Early Wins
Replace platform seating and janitorial closet to create more platform space



Platform Doors
Install platform doors on existing platform



New Side Platforms with Platform Doors
Embarcadero westbound
Embarcadero eastbound



COLOR LEGEND

0-10 YEARS

10-20 YEARS



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BETTER STATIONS.

MONTGOMERY RECOMMENDED CAPACITY IMPROVEMENTS

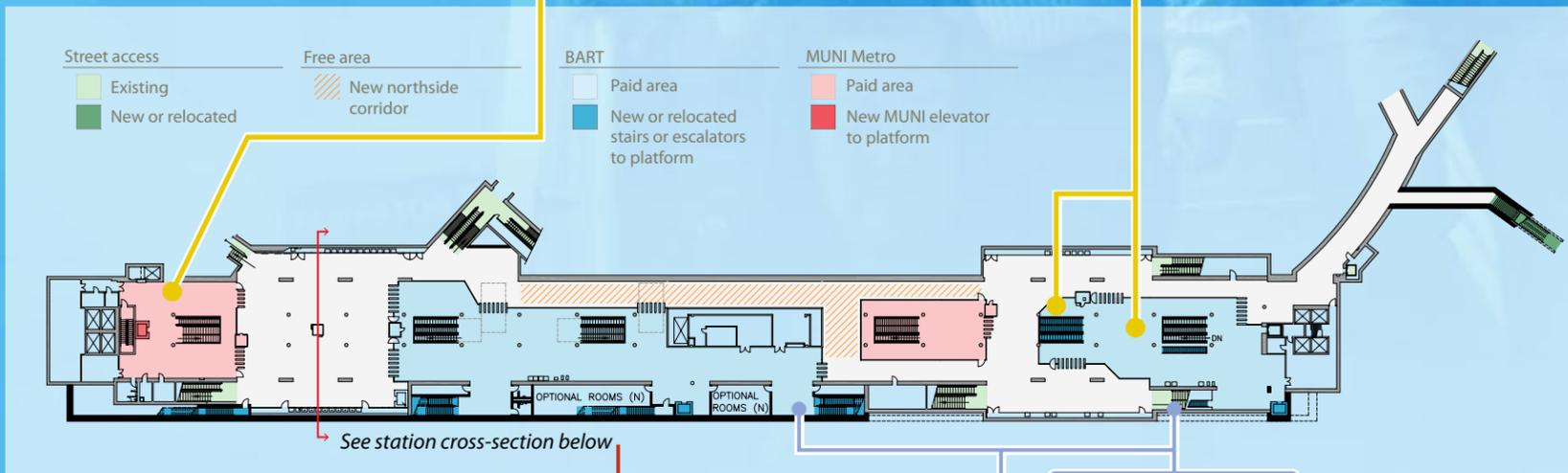


CONCOURSE

Circulation Improvements

New elevator to Muni platform at west end

Construct new stairs and escalators



PLATFORM

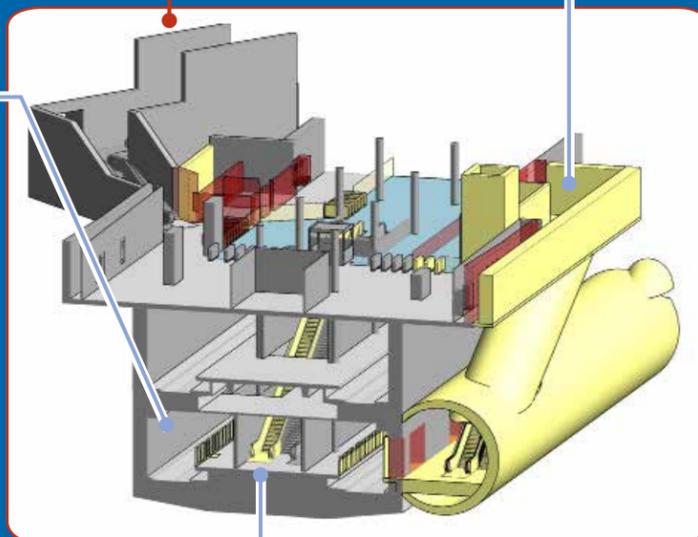
Platform Screen Doors

Install platform doors on existing platforms



New Side Platform with Platform Doors

Montgomery eastbound only



Platform Capacity Improvements

Modify platform seating to create more platform space



COLOR LEGEND

5-15 YEARS

10-20 YEARS



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October 2015

Preparation of this report was made possible with the financial participation of the Federal Transit Administration and Caltrans.



BETTER STATIONS.

EMBARCADERO MODERNIZATION PROGRAM UPDATE



CONCOURSE

Major Renovations Being Studied



New Ceiling

- Improve appearance and reinvigorate
- New lighting and ceiling
- Possible new bridges between sides of concourse



Improved Entries

- Better signage to surface transit and integrated real-time information
- New flooring, lighting & finishes



Renovated Ticketing Areas

- New vending wall design
- Replace dirty ceilings and lighting
- Clean and polish existing walls/floors
- More real-time information

Opportunities for Improvement

Station improvements provide modernization possibilities. Program objectives include:

- Creating and implementing a new visual and functional concept for the station, and also:
- Returning facilities and systems to a state of good repair
- Replacing components and features at the end of their useful life



New street level canopies at entries



Replace lighting and fixtures



Reinvigorate empty "dead" spaces



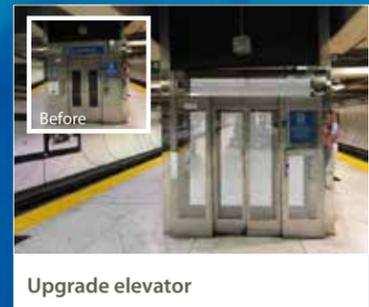
More storage/reduced clutter



PLATFORM



Consolidate free-standing items



Upgrade elevator



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