

Bicycle Program Update
















June 2016



2012 BART Bicycle Plan

Double access from 4% to 8% by 2022

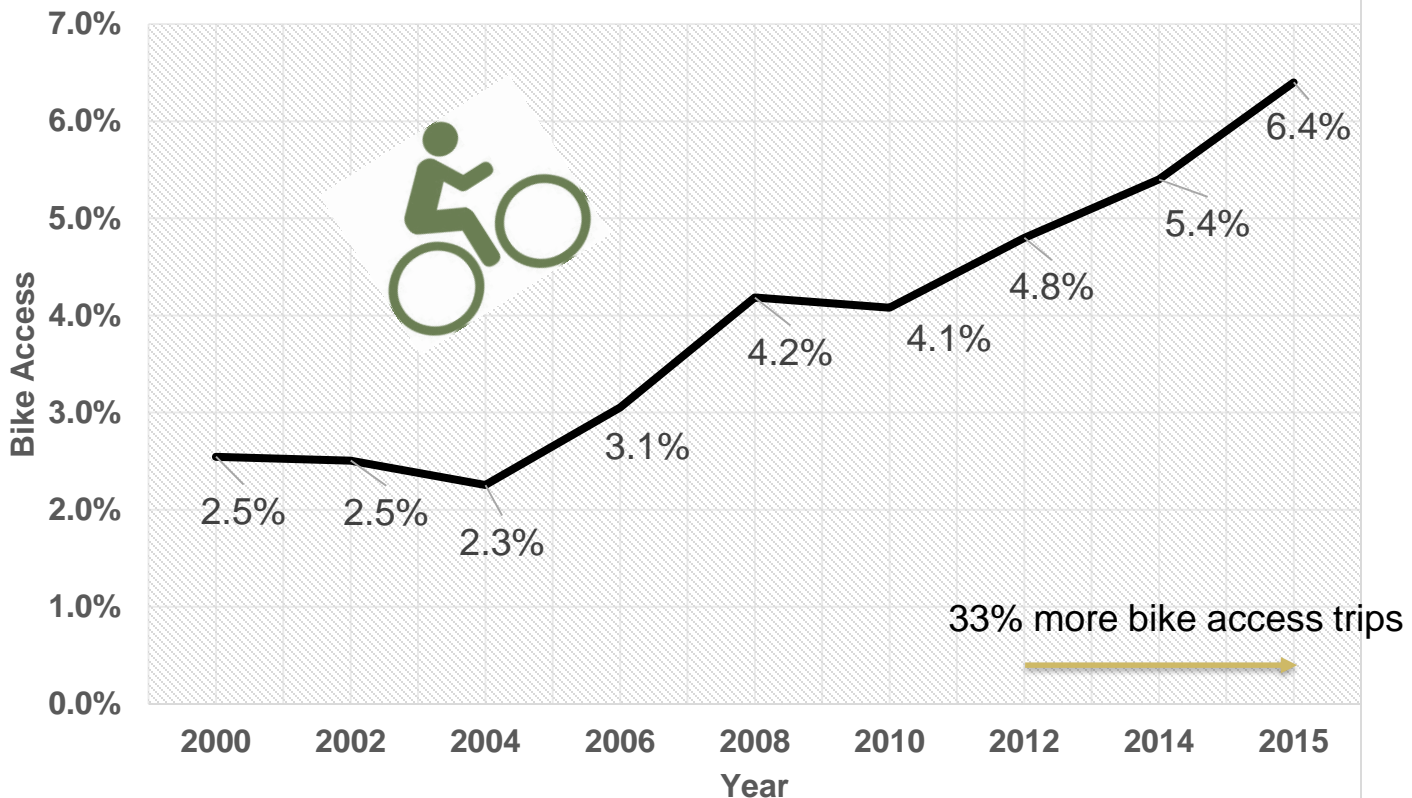


Bike Plan Strategies	Where We've Focused
Improve Station Circulation	    
Provide Plentiful Secure Parking	   
Optimize Bike Accommodations On Board	   
Complement Policies and Facilities with Persuasive Programs	
Improve Access Beyond BART Boundaries	

Trends



Bike Access to BART



Trends

Bike Access Mode Share by Station



Top Ten Bike Access Stations In 2015

Station	%	Station	%
Lake Merritt	14.8%	Ashby	11.1%
19th St. Oakland	14.3%	Fruitvale	10.9%
MacArthur	14.0%	16th St. Mission	10.0%
West Oakland	12.2%	San Leandro	9.1%
North Berkeley	11.9%	Castro Valley	9.0%

Trends

Largest Mode Share Increases in Bike Access



Station	2008	2015	Station	2008	2015
19th St. Oakland	6.2%	14.3%	MacArthur	8.2%	14.0%
West Oakland	4.8%	12.2%	Montgomery St.	1.3%	6.8%
Castro Valley	1.9%	9.0%	Coliseum	0.5%	5.3%
Lake Merritt	8.2%	14.8%	16th St. Mission	5.4%	10.0%
San Leandro	2.6%	9.1%	Powell St.	2.0%	6.2%

Trends

Parked vs Onboard



Smaller percentage parked



2008 = 40%

vs

2015 = 25%

Higher percentage onboard



2008 = 60%

vs

2015 = 75%

Varies Significantly by Station

Most Parked	%	Fewest Parked	%
19th St. Oakland	53%	16th St. Mission	5%
El Cerrito Plaza	50%	24th St. Mission	6%
Pleasant Hill	49%	Pittsburg/Bay Point	8%
Walnut Creek	42%	Richmond	8%
North Concord/Martinez	41%	San Bruno	10%

2022 Projections

Home to BART Trips



	Ridership	Bike Access
2015	Total = 433,000 Home to BART = 195,000	6.4% ~13,000 Home to BART
2022	Total = 466,000 Home to BART = 210,000	10% ~ 21,000 Home to BART

2022 Projections--Home to BART

Top 10 Stations



Station	Bike Access	Station	Bike Access
19th St. Oakland	1,200	Balboa Park	900
West Oakland	1,200	16th St. Mission	800
MacArthur	1,200	San Leandro	800
Lake Merritt	1,000	24th St. Mission	750
Fruitvale	900	Dublin/Pleasanton	600

Parking Expansion – By the Numbers



Projected Bike Access



21,000 Home to BART by 2022

Bikes Parking Capacity



8,700 per day
(60% or double current—42% system-wide)

Additional Secure Parking Needed



3,000 spaces
(~ \$2,400 per space or \$7 million)

Projected parking needs vary significantly by station

# stations	# spaces	# stations	# spaces
3	300-400	6	50-100
9	100-200	25	10-50

Moving Forward

Bike Program Capital Plan Third Edition



New edition to focus on parking capacity needs for 2022 (10% bike access, up to 60% parked).

Recommendations by station will vary depending on anticipated demand.



MINOR CAPITAL INVESTMENTS

Develop protocol for “monitor and install” based on annual occupancy audit where use exceeds 85%.

MORE SIGNIFICANT CAPITAL INVESTMENT

- 1) Concept with site plans and renderings
- 2) Vet with stakeholders, revise as needed
- 3) Bring projects to “grant ready” stage (preliminary engineering/cost)

Moving Forward

Secure Bike Parking Expansion



Funded

MacArthur, Concord, Pleasant Hill, Lafayette and Downtown Berkeley Bike Stations, Walnut Creek Bike Pavilion

Design Stage

Embarcadero (modernization), Lake Merritt, Dublin/Pleasanton

Next Priorities to Move to Design Stage

San Leandro, 19th St (expansion), West Oakland, Rockridge, North Berkeley



Moving Forward

Bikeep Demo

High Security Smart Racks



Demo to deploy 10 units at 16th Street and 10 units at Pleasant Hill



Advantages:

- High security—stronger than U locks
- Smart card/Clipper compatible
- Could deploy in paid area or concourse

Moving Forward

Vertical Circulation—Escalators and Stair Channels



New Escalator Signage System-wide



- CHANNEL PRIORITIES:**
- 12th & 19th Street,
 - Civic Center
 - Coliseum
 - Del Norte
 - Downtown Berkeley
 - Lake Merritt



Moving Forward

BikeShare Expansion



Agreement executed between MTC and Motivate to expand from 700 to 7,000 bikes.

Phase one of rollout with 25% of new bikes including these BART stations:

16 th Street	Dtwn. Berkeley	Ashby
24 th Street	MacArthur	Lake Merritt
12 th Street	19 th Street	

Roll out starts early 2017



Moving Forward

Bike Space Improvements: New cars and Bike Straps



Prototype Strap
Being Tested



Bike Space Option on
New Train Cars

Moving Forward--Summary



- Continue to expand secure parking using Station Profile data and projections to implement strategically
- Develop 2022 Capital Plan to meet 10% demand and identify resources needed
- In addition to secure parking:
 - BikeShare expansion
 - Bike Space enhancements
 - Stair channel capital program

