

2015 Station Profile Survey Preliminary Results





- Large scale survey to gather data on trip origins and destinations, station access and egress modes, and rider profile including demographics
 - Information is used for modeling, access planning, regulatory compliance, etc.
 - 14th such survey; last conducted in 2008
- 2015 survey conducted in partnership with MTC
 - Goal: create greater uniformity in survey data for the region
 - Contract managed by MTC
 - Cost sharing: 65% MTC; 35% BART
- Motion authorizing funding agreement with MTC approved by Board in Aug. 2014



Methodology

- Interviewer-administered tablet computer survey
 - Benefits include high response rates (74-91%), high geocoding rates (99.9%), and the ability for interviewers to clarify questions and responses
 - While more expensive than paper questionnaires, cost to BART was comparable due to cost sharing agreement with MTC
 - Survey conducted Feb. 17 May 29, 2015; Mon Fri, 4 a.m. midnight*
 - > Customers intercepted on platforms using random selection
 - Total of 43,989 weekday interviews completed
- Prior Station Profile surveys: paper questionnaires distributed in stations
- Data weighting
 - Systemwide results weighted by entry/exit station pairs and time period
 - Station-level results weighted by entry station and time period

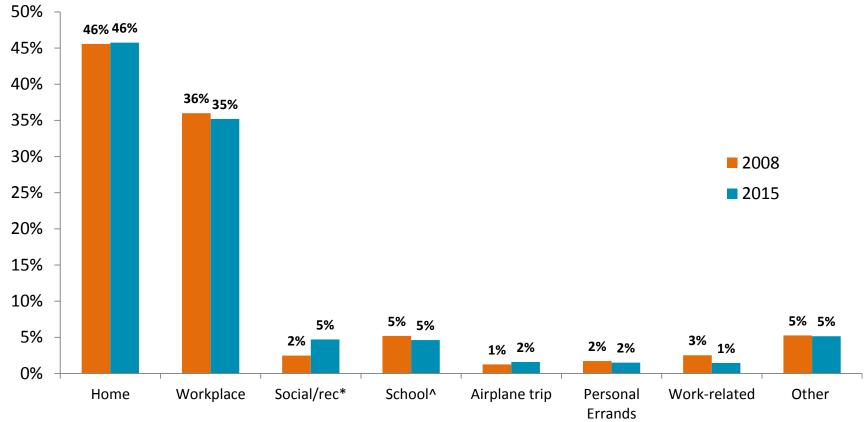
^{*}Limited weekend surveying also conducted; will be analyzed and reported separately PRELIMINARY RESULTS



- Changes in BART system (spring 2008 spring 2015) include:
 - Two new stations: West Dublin/Pleasanton (February 2011) and Oakland International Airport (November 2014)
 - Average weekday ridership up 19% between the two survey periods (+69,300 trips/day)
 - Introduction of demand-based parking fee increases
 - Fewer restrictions on bicycles onboard during commute hours; increased bicycle parking
 - Implementation of Clipper and rapid growth in use



Origin Type



Q: Where are you coming from (the starting place for this one-way trip)?

Base: weekday trips
PRELIMINARY RESULTS

^{*&}quot;Social/recreational" category added for 2015 survey; comparable 2008 categories were combined.

^{^2015} categories included in "School:" college student, K-12 student, school-related activity





Home-based Origin Cities

City	%	City	%
San Francisco	21%	Castro Valley	1%
Oakland	18%	Antioch	1%
Berkeley	6%	Lafayette	1%
Daly City	4%	Pleasant Hill	1%
San Leandro	4%	San Bruno	1%
Hayward	4%	San Ramon	1%
Walnut Creek	3%	Orinda	1%
Concord	3%	San Lorenzo	1%
Fremont	3%	Danville	1%
Richmond	3%	Pacifica	1%
El Cerrito	3%	Livermore	1%
South San Francisco	2%	Millbrae	1%
Pittsburg	1%	San Mateo	1%
Union City	1%	Martinez	1%
Dublin	1%	San Pablo	1%
Pleasanton	1%	Other (less than 1% each)	8%
Alameda	1%	TOTAL	100%

Base: weekday trips with home origins



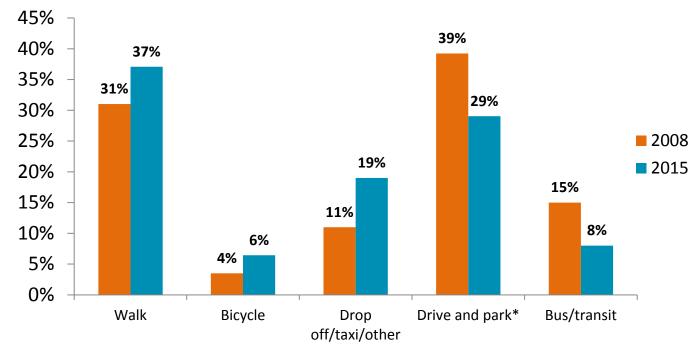
Top Home-based Ridership Changes: Spring 2008 - 2015

Station	Change in Home- Based Entries	% Chg
West Dublin/Pleasanton	2,712	NA
19th St. Oakland	2,126	86%
Millbrae	1,834	62%
Coliseum	1,670	65%
West Oakland	1,631	39%
Fruitvale	1,490	27%
Fremont	1,284	24%
Lake Merritt	1,268	42%
MacArthur	1,261	29%
Pittsburg/Bay Point	1,191	25%



Access from Home to BART

 With BART's parking supply approximately flat since 2008, ridership growth has been accommodated by walking, cycling or getting dropped off at stations. Fewer are driving or taking transit.



Q: How did you get from (origin trip purpose) to the (entry station) for this trip? Base: weekday trips with home origins PRELIMINARY RESULTS

^{*}Includes motorcycle/motorized scooter and carpool

Walk Home to BART

	Top 10 Stations	% Walk
1	24th St. Mission	79%
2	16th St. Mission	76%
3	Downtown Berkeley	74%
4	12th St. Oakland City Center	61%
5	Civic Center/UN Plaza	60%
6	19th St. Oakland	60%
7	Ashby	59%
8	Powell St.	58%
9	Balboa Park	56%
10	Montgomery St.	49%

Base: weekday trips with home origins

Bicycle Home to BART

	Top 10 Stations	% Bicycle
1	Lake Merritt	15%
2	19th St. Oakland	14%
3	MacArthur	14%
4	West Oakland	12%
5	North Berkeley	12%
6	Ashby	11%
7	Fruitvale	11%
8	16th St. Mission	10%
9	San Leandro	9%
10	Castro Valley	9%

Drop off/taxi/other Home to BART

	Top 10 Stations	% Drop off/ taxi/other
1	Fremont	33%
2	Pittsburg/Bay Point	31%
3	Dublin/Pleasanton	30%
4	Coliseum	29%
5	Walnut Creek	28%
6	Bay Fair	28%
7	Lafayette	26%
8	Daly City	26%
9	Glen Park	26%
10	El Cerrito del Norte	26%

Base: weekday trips with home origins

Drive and Park Home to BART

	Top 10 Stations	% Drive and park*
1	North Concord/Martinez	70%
2	West Dublin/Pleasanton	60%
3	Orinda	54%
4	Dublin/Pleasanton	52%
5	Walnut Creek	51%
6	Concord	48%
7	Millbrae	48%
8	South Hayward	47%
9	Lafayette	45%
10	Fremont	44%

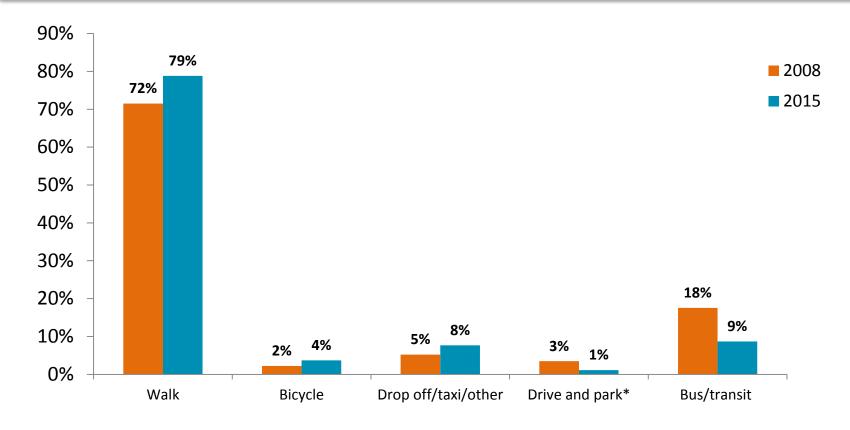
^{*}Includes motorcycle/motorized scooter and carpool

Bus/transit Home to BART

	Top 10 Stations	% Bus/ transit
1	Embarcadero	28%
2	Powell St.	21%
3	Montgomery St.	21%
4	Civic Center/UN Plaza	20%
5	Daly City	16%
6	Glen Park	16%
7	Millbrae	16%
8	12th St. Oakland City Center	15%
9	El Cerrito del Norte	13%
10	Balboa Park	13%



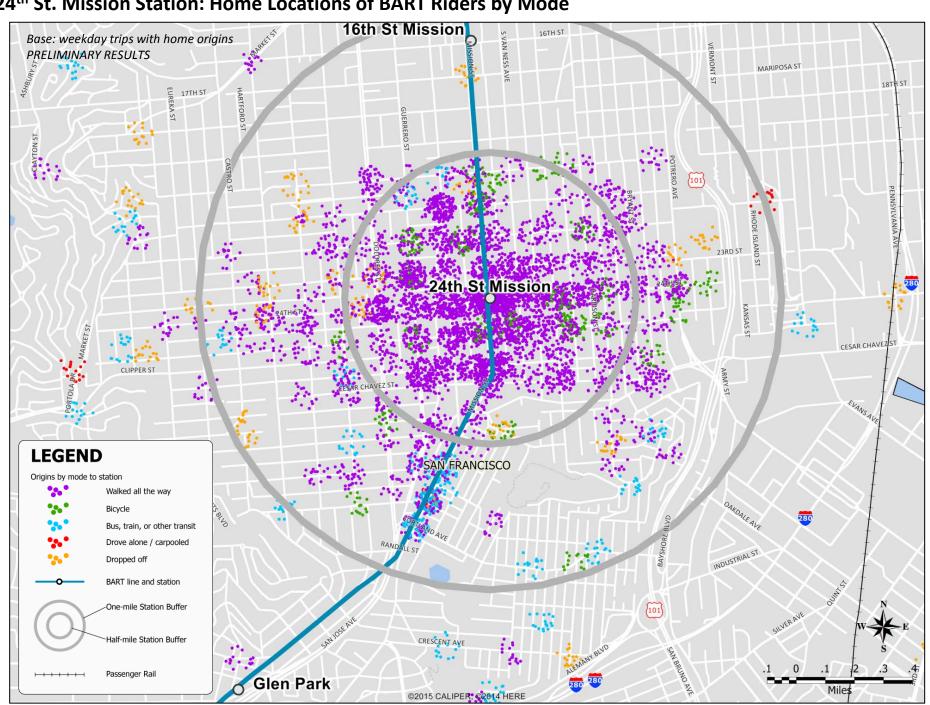
Access from Non-home Origin to BART



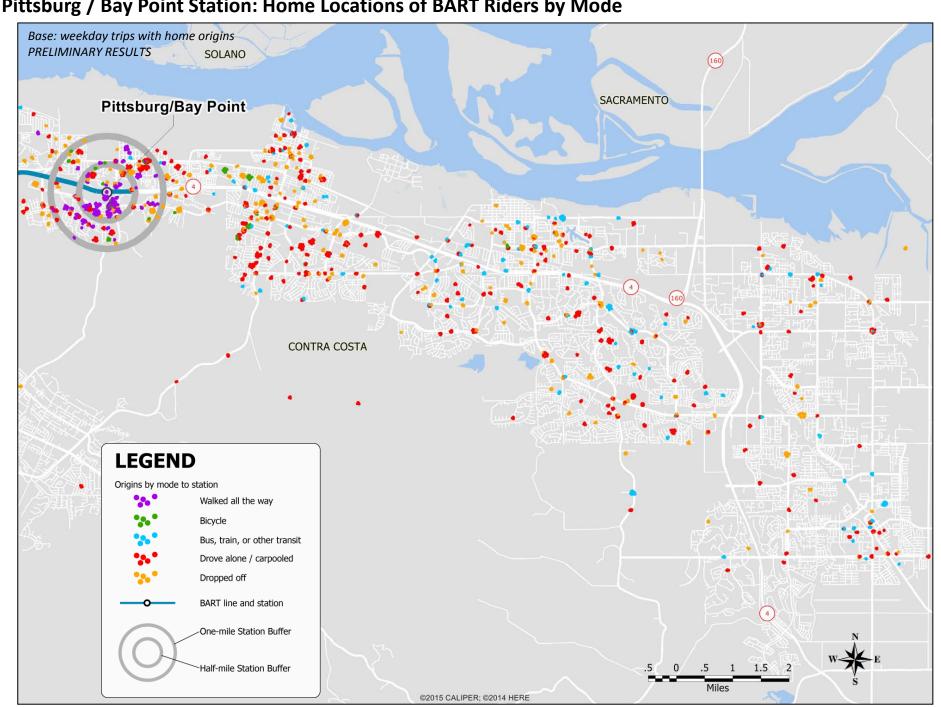
Q: How did you get from (origin trip purpose) to the (entry station) for this trip? Base: weekday trips with non-home origins PRELIMINARY RESULTS

^{*}Includes motorcycle/motorized scooter and carpooled

24th St. Mission Station: Home Locations of BART Riders by Mode



Pittsburg / Bay Point Station: Home Locations of BART Riders by Mode





Median Distances from Home

Systemwide	Median Distance from Home
	Median Distance from Frome
All Modes	1.2 miles
Walk	0.6 miles
Bicycle	1.0 miles
Drop off/taxi/other	1.8 miles
Drive and park*	2.7 miles
Bus/transit	2.2 miles

Stations with longest median distances from home (all modes)

- North Concord/Martinez (6.7 miles)
- Pittsburg/Bay Point (4.6 miles)
- Millbrae (4.6 miles)

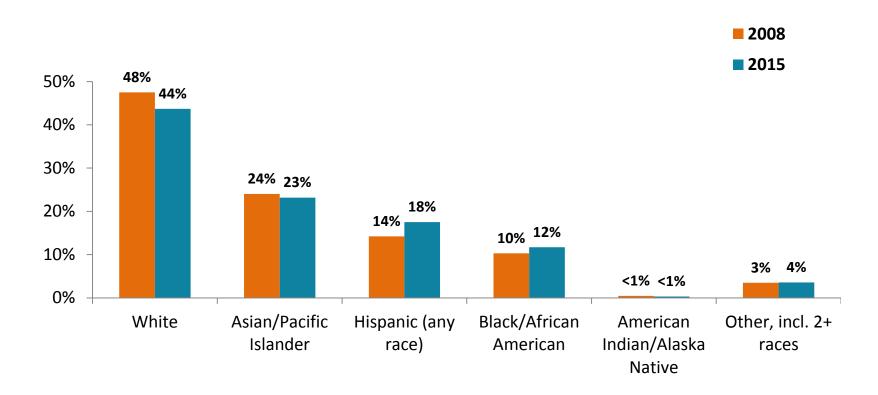
Stations with shortest median distances from home (all modes)

- 24th St. Mission (0.5 miles)
- 16th St. Mission (0.5 miles)
- 12th St. Oakland City Center (0.6 miles)

^{*}Includes motorcycle/motorized scooter and carpool



BART Customer Demographics



Base: weekday trips PRELIMINARY RESULTS



- Sortable Excel files and station level maps will be available on bart.gov next month
- Per MTC's schedule, project to be completed by end of June, including final report with:
 - Data by time period
 - Data by entry station
 - Two-pagers for each station with rider characteristics and maps of home origins
 - Regional maps
- BART/MTC assessment of methodology and lessons learned in FY17
- Future Station Profile surveys joint effort as described in amendment to MTC Resolution 3866:
 - "Transit agencies will participate in the (the joint) Survey Program when collecting information on transit passenger demographics AND travel patterns together."