

BART Marketing and Research Department Corey, Canapary & Galanis Research



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# INTRODUCTION

BART's Customer Satisfaction Study is a tool to help BART prioritize efforts to achieve high levels of customer satisfaction. The study entails surveying BART customers every two years to determine how well BART is meeting customers' needs and expectations. These surveys, initiated in 1996, are conducted by an independent research firm.

The BART Board of Directors, management and staff use customer satisfaction surveys to focus on specific service areas and issues important to BART customers. Making informed choices allows BART to better serve current riders, attract new customers, and enhance the quality of life in the Bay Area.

This report is based on 5,609 questionnaires completed by BART customers. These customers were surveyed while riding on randomly selected BART cars during all hours of operation on weekdays and weekends during a three-week period in September/October 2014.

The following Executive Summary highlights the most salient findings of the survey. Subsequent sections present detailed analyses of the factors that influence customer satisfaction and a full description of the survey methodology, including a copy of the questionnaire.

The initial survey questions ask customers to describe their use of the system. Customers are then asked three key opinion tracking questions focusing on:

- Overall satisfaction;
- Willingness to recommend BART; and
- Perceptions of BART's value for the money.

In addition, the survey probes for ratings of 48 specific service attributes, ranging from on-time performance to station cleanliness. BART uses the service attribute ratings to set priorities for customer satisfaction initiatives.

It should be noted that a number of changes have occurred since the previous study in September 2012. Those which might have influenced customer perception include:

- High ridership, contributing to increased crowding on trains. Average weekday ridership was 430,200 trips in September 2014, a 7% increase over the previous study.
- An aging system, under pressure from ridership growth. At over 40 years old, BART's train cars are the oldest in the nation. Yet, BART runs more of its fleet than any other major transit agency in order to keep up with demand.
- Fare and parking fee increases. BART fares increased 5.2% in January 2014, and parking fees increased between the two survey periods as well.<sup>1</sup>
- Two work stoppages in 2013 which shut down BART service over two four-day periods in July and October.
- A slight decrease in BART's on-time performance between the two survey periods.
- Changes in BART's bike rules. After a few pilot studies, BART permanently lifted many of the restrictions on bicycles during commute hours in 2013.
- Continued replacement of train car seat coverings and carpeting with materials that are

<sup>&</sup>lt;sup>1</sup> BART fares increase every two years based on an inflation-based formula, while parking fee increases are tied to parking occupancy levels at stations.

easier to keep clean. At the time of the 2014 survey, BART was more than half done with a project to replace upholstered seat covers with vinyl seat covers. (The balance of the project was completed after the survey period.) Additionally, the carpeted floors were being replaced with hard surface flooring (will be completed by June 30, 2015).

# **EXECUTIVE SUMMARY**

Although BART is still generally well-regarded by its customers, ratings have declined significantly since 2012.

- About three out of four riders (74%) say they are very or somewhat satisfied with BART. This is down 10 percentage points since 2012.
- 89% would definitely or probably recommend BART to a friend or out-of-town guest. While still representing very strong support, this percentage is down four points.
- 63% agree strongly or somewhat that "BART is a good value for the money." This has dropped seven percentage points since 2012.

These decreases in the overall scores are primarily due to losses in the top ratings (e.g., "very satisfied," "agree <u>strongly</u>").

Percent of BART customers saying	2010	2012	2014
They are <b>very satisfied</b>	36%	40%	28%
They would <b>definitely recommend</b> BART	65%	69%	59%
They <b>agree strongly</b> that BART is a good value for the money	24%	30%	25%

The survey data point to key factors contributing to the decline in customer satisfaction – increased crowding on the system, aging trains and stations, system cleanliness concerns, and train delays. To address these challenges, BART is starting to implement a program to build a better BART system and improve satisfaction. The issues to be addressed are challenging. Train cars need to be completely replaced. And more train cars, a new train control system, trackway repairs, an additional maintenance shop, and other critical safety and reliability upgrades are needed, but these improvements are only partially funded. It will be a challenge to secure the funding that is needed to complete this program, and it will take quite a few years to deliver these major projects.

In the meantime, BART is working on near term initiatives to build a better BART system and improve customer satisfaction. {Note: the asterisked items (\*\*) below indicate new initiatives that are proposed for the FY16 budget and are subject to approval by the BART Board of Directors.}

### **On-time performance**

- Contra Costa Crossover: these track crossovers between the Walnut Creek and Pleasant Hill stations became fully operational in April 2015. They allow trains to cross over to the opposite track to re-route around disabled trains and other issues that cause delays. Earlier this year, they were already helping to reduce delays due to weekend track work.
- More train control technicians: two more technicians to quickly remedy train control problems during peak periods and minimize delays to customers.\*\* (Train control failures are currently responsible for 19% of late trains.)
- More rail vehicle engineers: six more engineers to improve vehicle reliability.\*\*
- More main line technicians: four more vehicle technicians to mitigate car problems and keep the trains moving.\*\*

# **EXECUTIVE SUMMARY (continued)**

- More grounds workers: seven more grounds workers to ensure the right-of-way is clear of obstructions to avoid service disruptions.\*\*
- Extended hours for stand-by paramedics: expanded coverage to respond more quickly to medical emergencies in and near the Transbay Tube to reduce train delays.\*\*

### Train cleanliness

- Seat cover replacement. The last upholstered seat covers were removed from train cars in December 2014. All train cars now have vinyl seat covers, which are easier to keep clean.
- Carpet replacement. By the end of June 2015, all train car carpeting will be replaced with hard surface flooring, which is easier to keep clean.
- More train car cleaners: 13 additional car cleaning staff, including an end-of-line cleaning crew at Pittsburg/Bay Point to help keep cars clean while in service.\*\*

### Less crowding

- The completion of the carpet replacement project, the repair of four to six heavily damaged cars, and the proposed hiring of 37 more employees to cover additional train car maintenance shifts in the Hayward and Daly City shops\*\* will provide 30 more train cars in service during peak periods. And in the off-peak, the minimum length for all Richmond-Fremont trains will increase from three to four cars.
- With the availability of the additional train cars and the flexibility provided by the Contra Costa Crossover, BART will be able to add 16 train trips each weekday (10 on the Pittsburg-SFO line and six on the Richmond-Millbrae line).

## Train temperature/HVAC

- BART will continue to replace degraded electrical controls on "A" and "B" cars as they fail.
- The balance of the project to install upgraded HVAC units on all "C" cars will be completed in the next couple of years.

## **Station cleanliness**

- Station "brightening" / cleaning. This effort to deep clean and perform maintenance and repair work at about five stations per year was started, but not fully implemented, prior to the survey. As more stations are completed, customers should notice an improved station environment. Additionally, BART is considering expanding coverage with 21 more staff to clean and scrub stations more frequently.\*\*
- Escalator replacements/escalator canopies. BART recently completed a canopy to cover the 20<sup>th</sup> Street escalator and stairwell at the 19<sup>th</sup> Street station, and is currently in the design phase to replace street level escalators at Powell and Civic Center stations and protect them with canopies. The canopies will provide weather protection, maintain cleanliness, and improve reliability.
- More pigeon abatement to improve station cleanliness.\*\*

## Personal security

 4 additional staff to expand BART Police presence in downtown San Francisco and support the Crisis Intervention Team.\*\* Longer term, BART has ordered new "Fleet of the Future" train cars which will eventually replace its aging fleet. As these new cars arrive and go into service, BART's ability to accommodate its growing ridership will improve. The first ten cars are expected to go into service in fall 2016. The new cars are expected to have a significant impact on capacity by 2019 when the combined old and new car fleet will be approximately 905 train cars (compared to 669 today). However, additional funding will be needed to purchase more train cars to replace old train cars as they are retired. BART's goal is to ultimately purchase at least 1,000 train cars to meet growing demand and reduce crowding on the system.

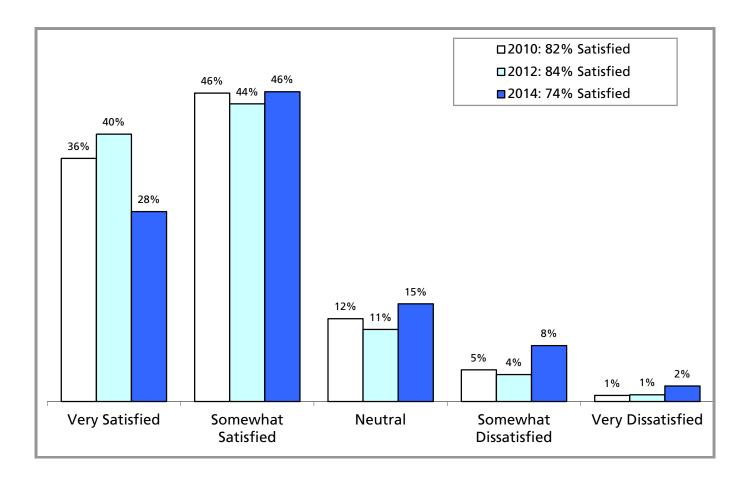
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# DETAILED RESULTS

# **OVERALL SATISFACTION - TRENDING**

### (2010 / 2012 / 2014 Comparison)

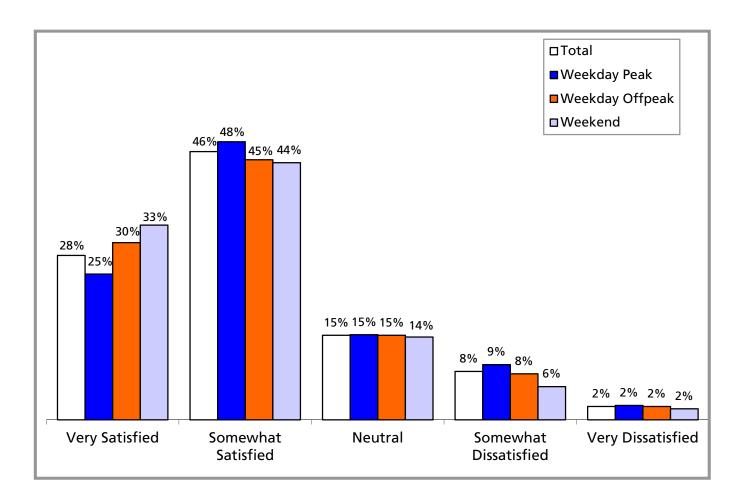
Overall satisfaction measured by those who are **very satisfied** or **somewhat satisfied** has dropped to 74% in 2014, down from 82% in 2010 and 84% in 2012. This was driven by a sharp decline in those who are **very satisfied**. In addition, the dissatisfied percentage doubled between 2012 and 2014 and now totals approximately 11%.



# **2014 OVERALL SATISFACTION**

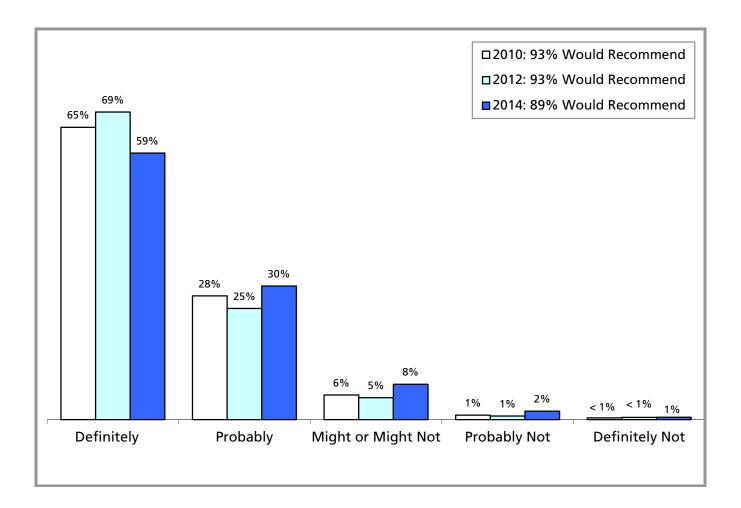
## (Peak / Off-Peak / Weekend Comparison)

While overall satisfaction is at 74%, there are key differences among customers who ride during different time periods. Peak riders are more likely to be somewhat satisfied (as opposed to very satisfied), while a higher percentage of off-peak and weekend riders say they are very satisfied with BART.



## WILLINGNESS TO RECOMMEND BART - TRENDING (2010 / 2012 / 2014 Comparison)

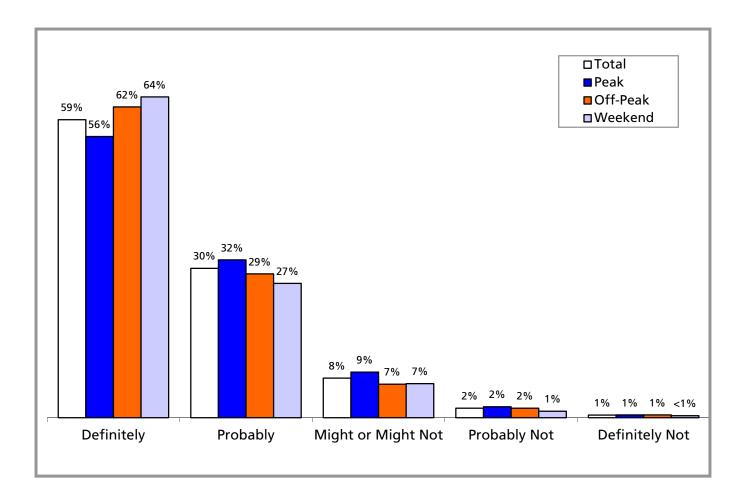
Although it remains at a very high level, overall willingness to recommend BART dropped to 89% in 2014. Compared to 2012, there has been an increase in the "probably" and "might or might not" recommend categories and a corresponding decrease in the "definitely" recommend category.



## 2014 WILLINGNESS TO RECOMMEND BART

(Peak / Off-Peak / Weekend Comparison)

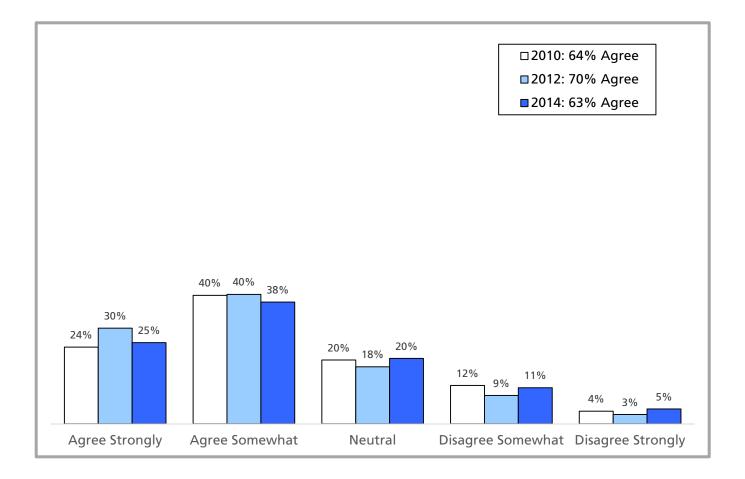
Peak period customers are less likely to definitely recommend BART than off-peak and weekend riders.



# PERCEPTION OF BART AS GOOD VALUE - TRENDING

(2010 / 2012 / 2014 Comparison)

The majority of riders see BART as a good value. The current rating is lower than 2012 (70%) and close to 2010 (64%). The percentage of riders who disagree or are neutral has increased since 2012.

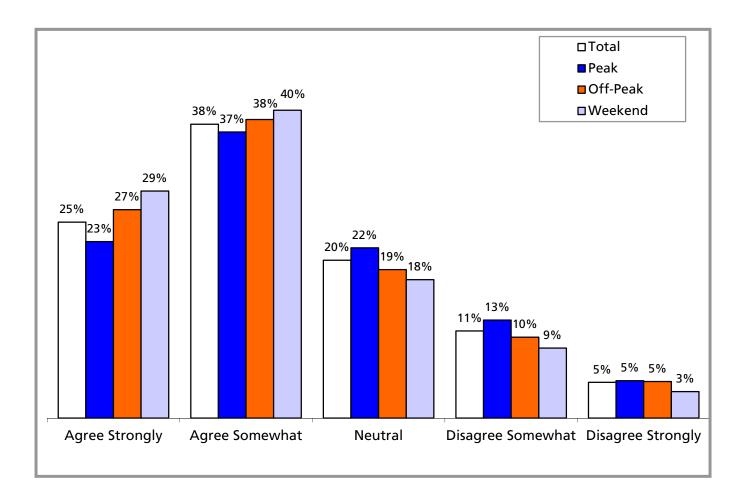


# **2014 PERCEPTION OF BART AS GOOD VALUE**

(Peak / Off-Peak / Weekend Comparison)

Fewer peak period riders strongly agree that BART is a good value for the money than off-peak or weekend customers.

Peak period customers generally ride BART five or more days per week, so the aggregate fares they pay far exceed fares paid by off-peak and weekend customers. While off-peak and weekend customers generally ride BART less frequently, they are a much larger group of people overall and are an important part of public support for the BART system.



## **SPECIFIC SERVICE ATTRIBUTES**

In the 2014 survey, customers rated BART on 48 specific service attributes. The chart on the next page shows mean ratings for each of these 48 service attributes. Items appearing towards the top of the chart are rated highest, while items appearing at the bottom are rated lowest. The average rating (on a scale from 1 = Poor to 7 = Excellent) is shown next to the bar for each item. Given the large sample sizes, mean ratings are accurate to within  $\pm 0.05$  at a 95% confidence level.

BART received the highest marks for:

- Clipper cards
- Availability of maps & schedules
- BART tickets
- On-time performance

BART received the lowest ratings for:

- Restroom cleanliness
- Presence of BART police on trains
- Elevator cleanliness
- Presence of BART police in parking lots

For a chart showing the percentage results, please see Appendix D.

## **2014 RATING OF SPECIFIC SERVICE ATTRIBUTES**

Mean Rating (7 point scale)

Availability of maps & schedules       5.71         BART tickets       5.50         On-time performance       5.46         Timeliness of connections bit BART trains       5.36         bart.gov website       5.30         Timely information about service disruptions       5.26         Reliability of ticket vending machines       5.17         Train interior kept free of graffiti       5.17         Access for people with disabilities       5.12         Frequency of train service       5.11         Signs wit transferylatormizeti directions       5.06         Length of lines at exit gates       5.04         Availability of bicycle parking       5.01         Hours of operation       4.98         Lighting in parking lots       4.94         Timeliness of connections with buses       4.85         Comfort of seats on trains       4.84         Helpfulness and courtey of station Agents       4.79         Stations kept free of graffiti       4.73         Availability of standing room on trains       4.61         Appearance of train exterior       4.53         Escalator availability & reliability       4.58         Conditing reak system       4.42         Availability of Tarins       4.33	Cline on conde	F 90
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	Restroom cleanliness	3.52

Among the 48 attributes, all but four showed statistically significant declines between 2012 and 2014. One attribute, Clipper cards, showed a small ratings increase, and three attributes were essentially flat (i.e., declines were not statistically significant.) The chart in the next sub-section shows the percent change in the mean rating from 2012 to 2014. For details on statistical significance, refer to Appendix C.

In looking at the attributes with the largest declines, most were impacted by high ridership and its associated stress on the aging BART system. The attributes with the largest declines were:

- Leadership in solving regional transportation problems (-10.3%)
- Availability of seats on trains (-8.5%)
- Station cleanliness (-7.8%)
- Elevator cleanliness (-7.8%)
- Comfortable temperature aboard trains (-7.0%)

Ratings of BART leadership in regional transportation tend to rise and fall with overall satisfaction, and this year both metrics have declined ten percentage points. Customers tend to link *leadership in solving regional transportation problems* with the nature of the BART system – it carries many thousands of riders, connects multiple counties, and provides frequent and reliable service, all of which help ease traffic and congestion. In the past two years, BART's on-time performance has declined somewhat, which likely impacted perceptions of its reliability. Additionally, two work stoppages about a year prior to the survey resulted in eight days with no BART service. This could have also had an impact on this attribute.

BART is planning to increase staff and resources in key areas in order to improve reliability. More train control technicians, rail vehicle engineers, main line technicians, and grounds workers, as well as extended hours for standby paramedics, should help reduce delays for passengers.

The decline in *availability of seats on trains* is directly related to the ridership increase between the two survey periods. Average weekday ridership in September 2014 was 430,200 trips, a historic high at the time, and 7% higher than two years prior. *Availability of seats* is very important to BART's customers. Those who stood during their BART trips reported lower satisfaction levels than those who were seated.

In the long-term, BART's capacity will increase as its "Fleet of the Future" train cars go into service. BART currently has funding to purchase 775 new train cars and hopes to increase the fleet size to over 1,000 new cars once additional funding is secured. (BART's current fleet consists of approximately 669 cars.) The first 10 new cars are expected to go into service in fall 2016.

In the near-term, BART is planning to increase maintenance staffing, complete the carpet replacement project, and repair and put back into service four to six heavily damaged cars. These changes will eventually result in 30 more train cars in service during peak periods, as well as an increase in the minimum length for off-peak Richmond-Fremont trains (from three to four cars). The additional cars, in conjunction with the flexibility provided by the new Contra Costa Crossover, will enable BART to add 16 more weekday train trips beginning in September 2015 (10 more trips on the Pittsburg-SFO line and six more trips on the Richmond-Millbrae line).

The next two attributes, *station cleanliness and elevator cleanliness*, were likely also impacted by BART's ridership increase. More people were using stations and elevators, resulting in increased wear and tear on facilities, yet BART did not have a proportionate increase in staff or resources to clean them.

One effort to improve station cleanliness, "station brightening," was underway but not fully implemented prior to the survey. This involves deep cleaning, as well as maintenance and repair work, at about five stations per year. As more stations are completed, customers should notice improvements in the station environment. Additionally, BART plans to hire 21 more staff to clean and scrub stations more frequently.

With regard to escalators, BART is currently in the design phase to replace street level escalators at Powell and Civic Center stations and protect them with canopies. The canopies provide weather protection, maintain cleanliness, and improve escalator availability. An escalator/stairwell canopy was recently built at the 20<sup>th</sup> St. entrance to the 19<sup>th</sup> St. BART station, and BART plans to continue to add canopies where they are most needed.

The decline in ratings of *comfortable temperature aboard trains* is likely related to issues with degraded HVAC units on some of BART's train cars ("A" and "B" cars) at the time of the survey. Crowded conditions on trains may have also aggravated perceptions of temperature. HVAC units on the A and B cars are currently being replaced as issues are identified. Additionally, upgraded HVAC units are being installed on BART's "C" cars and should be completed within two years.

The attribute with a rating increase, Clipper cards, was up 1.9% vs. 2012. In addition to seeing a small increase in ratings, Clipper cards are also more widely used on BART now, accounting for 60% of average weekday trips in September 2014 vs. 51% in September 2012.

## SERVICE ATTRIBUTE RATINGS: PERCENTAGE CHANGES 2014 vs. 2012 comparisons

					Statistically Significant
	2014	2012		%Change	at 95%
SCALE: 1 = Poor, 7 = Excellent	Mean	Mean	Difference	(mean) ^	Conf. Lvl?
Leadership in solving reg'l transport. problems	4.35	4.85	-0.50	-10.3	Yes
Availability of seats on trains	4.18	4.57	-0.39	-8.5	Yes
Station cleanliness	4.11	4.46	-0.35	-7.8	Yes
Elevator cleanliness	3.88	4.21	-0.33	-7.8	Yes
Comfortable temperature aboard trains	4.41	4.74	-0.33	-7.0	Yes
Availability of car parking	4.41	4.68	-0.27	-5.8	Yes
Condition / cleanliness of floors on trains	4.05	4.28	-0.23	-5.4	Yes
Availability of standing room on trains	4.61	4.86	-0.25	-5.1	Yes
Restroom cleanliness	3.52	3.71	-0.19	-5.1	Yes
Stations kept free of graffiti	4.76	5.01	-0.25	-5.0	Yes
Overall station condition / state of repair	4.57	4.81	-0.24	-5.0	Yes
Presence of BART Police on trains	3.65	3.84	-0.19	-4.9	Yes
Train interior cleanliness	4.28	4.49	-0.21	-4.7	Yes
On-time performance of trains	5.46	5.72	-0.26	-4.5	Yes
Availability of space on trains for luggage	4.06	4.25	-0.19	-4.5	Yes
Noise level on trains	4.08	4.27	-0.19	-4.4	Yes
Condition / cleanliness of windows on trains	4.32	4.52	-0.20	-4.4	Yes
Clarity of public address announcements	4.21	4.39	-0.18	-4.1	Yes
Enforcement of no eating or drinking policy	4.05	4.22	-0.17	-4.0	Yes
Appearance of landscaping	4.42	4.60	-0.18	-3.9	Yes
Enforcement against fare evasion	4.47	4.65	-0.18	-3.9	Yes
Comfort of seats on trains	4.84	5.03	-0.19	-3.8	Yes
Personal security in BART system	4.49	4.64	-0.15	-3.2	Yes
Access for people with disabilities	5.13	5.30	-0.17	-3.2	Yes
Presence of BART Police in parking lots	3.95	4.08	-0.13	-3.2	Yes
Helpfulness and courtesy of Station Agents	4.79	4.94	-0.15	-3.0	Yes
Presence of BART Police in stations	4.19	4.32	-0.13	-3.0	Yes
Availability of Station Agents	4.73	4.86	-0.13	-2.7	Yes
Condition / cleanliness of seats on trains	4.07	4.18	-0.11	-2.6	Yes
bart.gov website	5.30	5.44	-0.14	-2.6	Yes
Appearance of train exterior	4.59	4.71	-0.12	-2.5	Yes
Length of lines at exit gates	5.04	5.17	-0.13	-2.5	Yes
Signs with transfer / platform / exit directions	5.06	5.19	-0.13	-2.5	Yes
Frequency of train service	5.11	5.24	-0.13	-2.5	Yes
Reliability of ticket vending machines	5.17	5.30	-0.13	-2.5	Yes
Train interior kept free of graffiti	5.17	5.29	-0.12	-2.3	Yes
Lighting in parking lots	4.94	5.05	-0.11	-2.2	Yes
Timely information about service disruptions	5.26	5.37	-0.11	-2.0	Yes
Hours of operation	4.98	5.08	-0.10	-2.0	Yes
Reliability of faregates	5.12	5.22	-0.10	-1.9	Yes
Timeliness of connections b/t BART trains	5.36	5.46	-0.10	-1.8	Yes
Elevator availability and reliability	4.58	4.66	-0.08	-1.7	Yes
Timeliness of connections w/ buses	4.85	4.93	-0.08	-1.6	Yes
Availability of maps and schedules	5.71	5.79	-0.08	-1.4	Yes
Availability of bicycle parking	5.01	5.05	-0.04	-0.8	No
BART Tickets	5.50	5.54	-0.04	-0.7	No
Escalator availability and reliability	4.58	4.60	-0.02	-0.4	No
Clipper Cards	5.80	5.69	0.11	1.9	Yes

^The % change (mean) is calculated by dividing the difference in means by the 2012 mean. For example, for the leadership attribute, the 2012 rating is 4.85; the 2014 rating is 4.35. The difference between these two mean ratings is -0.5. So the calculation in the above table is -0.5 divided by 4.85 = -10.3%.

# QUADRANT ANALYSIS

The chart on the next page (titled "2014 Quadrant Chart") is designed to help set priorities for future initiatives to improve customer satisfaction. This chart quantifies how important each service characteristic appears to be from a customer perspective (using the vertical axis) and shows the average customer rating for each characteristic (using the horizontal axis). For a more detailed description of how this chart is derived, see Appendix G.

The vertical axis crosses the horizontal axis at the average (mean) performance rating from the benchmark survey in 1996. This vertical axis has remained in this location in all subsequent surveys so that Quadrant Charts can easily be compared year-to-year.

The "Target Issues" quadrant identifies those service attributes which appear to be most important, but which receive relatively low ratings from BART riders. Based on the vertical axis used since 1996, target issues include the 15 attributes listed below. Compared to 2012, there are eight new target issues, which are identified in bold type.

- Station condition/state of repair
- Leadership in solving regional transportation problems
- Availability of seats on trains
- Availability of standing room on trains
- Condition/cleanliness of seats on trains
- Train interior cleanliness
- Condition/cleanliness of floors on trains
- Comfortable temperature aboard trains
- Availability of space on trains for luggage, bicycles, and strollers
- Condition/cleanliness of windows on trains
- Station cleanliness
- Appearance of train exterior
- Personal security in the BART system
- Restroom cleanliness
- Elevator availability and reliability

Some of these attributes, such as *restroom cleanliness* and *train windows*, have received low ratings in prior studies, but appear on the 2014 Quadrant chart as more important than before. Others, such as *leadership in solving regional transportation problems, station condition/state of repair*, and *standing room availability*, have remained important (as in previous studies), but the ratings have dropped.

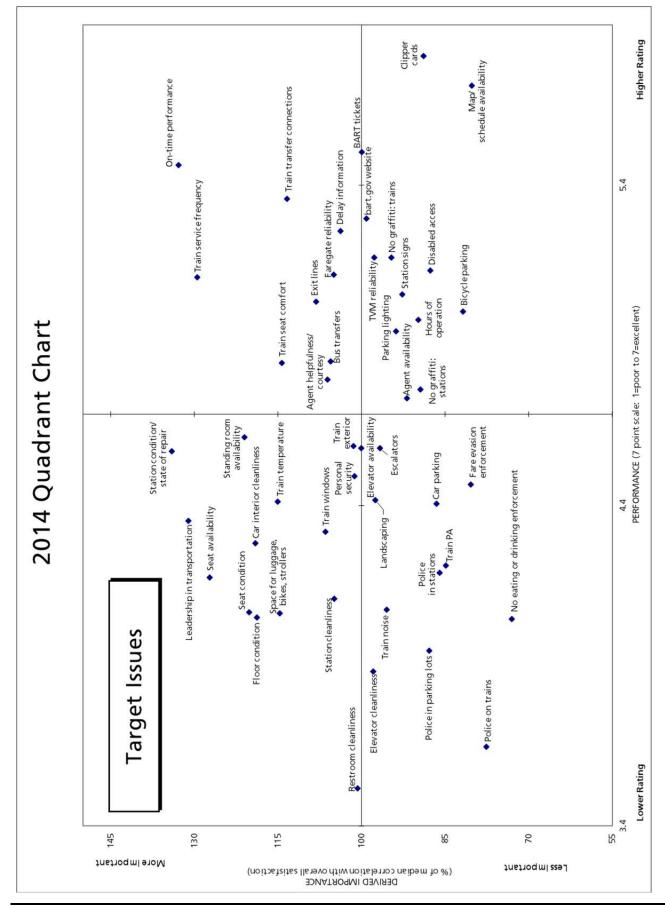
In looking at the types of items in the Target Issues quadrant, more than half involve conditions onboard – both capacity issues and cleanliness issues. BART expects that its new Fleet of the Future train cars will help relieve crowding as they will expand the fleet and feature wider aisles, but this is still a few years away. (The first 10 new cars are expected to go into service in fall 2016.) In the near term, BART plans to increase the number of train cars available by increasing maintenance staff, completing the carpet replacement project, and repairing four to six heavily damaged cars that are currently out of service. These additional cars, in conjunction with the flexibility provided by the new Contra Costa Crossover, will enable BART to add 16 more weekday train trips beginning in September 2015 (10 more trips on the Pittsburg-SFO line and six more trips on the Richmond-Millbrae line). Regarding cleanliness, some onboard improvements have already been made since the survey period. The last upholstered seat covers were removed from train cars in December 2014. All train cars now have vinyl seat covers, which are easier to keep clean. By the end of June 2015, all train car carpeting will be replaced with hard surface flooring, which is also easier to keep clean. Additionally, BART plans to add 13 more train cleaning staff, including an end-of-line cleaning crew at Pittsburg/Bay Point to help keep cars clean while in service.

The other main category in the Target Issues quadrant involves stations – overall condition and cleanliness. BART has already made strides in this area with its "station brightening" program, which focuses on deep cleaning, maintenance and repair work at about five stations per year. As more stations are completed, customers should notice an improved station environment. Additionally, BART plans to hire 21 more station cleaning staff to clean and scrub stations more frequently; to replace escalators at selected stations and protect them with canopies; and to increase pigeon abatement to maintain cleanliness.

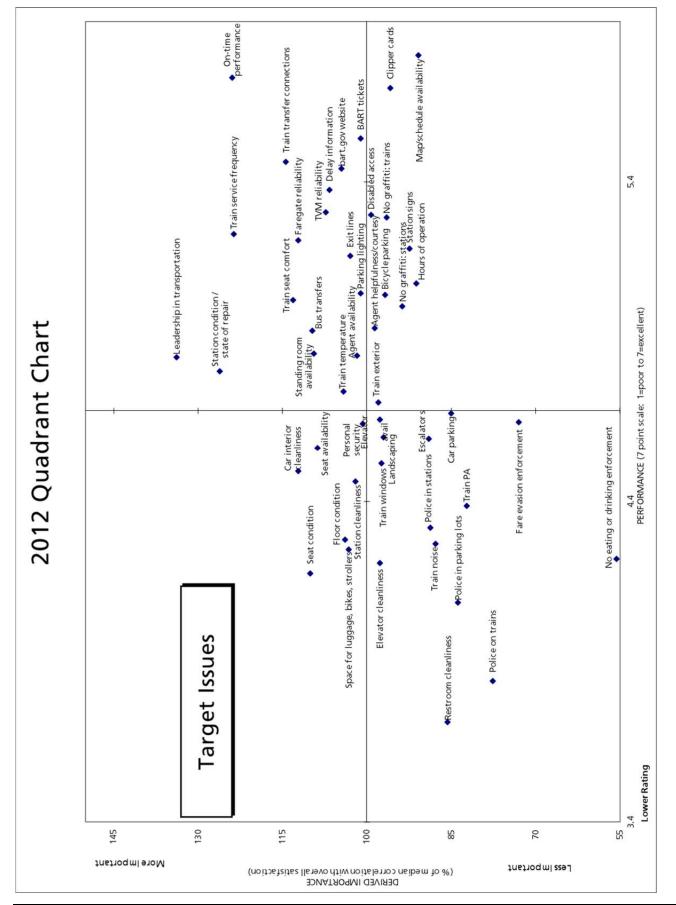
Although not in the Target Issues quadrant, *On-time performance* is closely linked with customer satisfaction, and ratings on this attribute declined 4.5%. The new Contra Costa Crossover, which became fully operational in April 2015, will help to reduce delays on the Pittsburg-SFO line. BART also plans to increase staffing and resources in key areas to reduce delays since this is a critical issue for customers.

For comparison purposes, the 2012 Quadrant Chart is included after the 2014 chart.

Note: The vertical axis on the opposite page is based on using a mean statistic of 4.685 - the average mean score of all the attributes for the 1996 benchmark study.



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## SATISFACTION TRENDS

The chart on the next page shows the overall satisfaction ratings recorded since the first BART Customer Satisfaction Survey in 1996. The chart is further annotated to show some significant factors impacting customer perceptions and use of BART.

In 1996, 80% of customers were satisfied with BART. Two years later customer satisfaction had dropped to 74%. The events most likely to influence customer satisfaction, which took place in between the two surveys, were a large fare increase (the third since 1995), a work stoppage, and aging equipment. Also, the effects of a \$1.2 billion renovation program began to be felt during this period. Customer satisfaction often suffers at the beginning of a renovation program because service is impacted by cars, escalators, and elevators being taken off-line.

By 2002, customer satisfaction was back up to 80%, and in 2004, BART registered an all-time high rating of 86%. Factors that increased satisfaction probably included keeping fare increases relatively small, the opening of the extension to the San Francisco International Airport, the introduction of permit parking, and the completion of the renovation program.

The 2006 survey reflects residual effects of these improvements. Other factors in the 2004 to 2006 time period were another small fare increase and a labor settlement without a work stoppage. In 2008, ridership surged as gas prices rose, and a fire in the Hayward train yard in May impacted riders on the Fremont line. However, BART improved train interior cleanliness and increased evening and Sunday train frequency beginning January 1, 2008.

Between the 2008 and 2010 surveys, BART ridership dropped 7% reflecting the impacts of the longest recession since World War II, running from December 2007 through June 2009. Between these two survey periods, unemployment in the three-county BART District rose from 6.3% to 10.6%. BART implemented a 6.1% fare increase in July 2009, six months earlier than anticipated, in order to help close a budget deficit.<sup>2</sup> In addition, BART reduced evening and Sunday train frequency in September 2009, effectively reversing the service increase implemented in 2008.

By the 2012 survey period, ridership had skyrocketed, topping 400,000 average weekday trips for the first time in BART's history (an increase of 14% vs. the 2010 survey period). The local economy was recovering (unemployment in the BART District was 8.1%), gas prices were on the rise, and BART customer satisfaction rebounded to 84%.

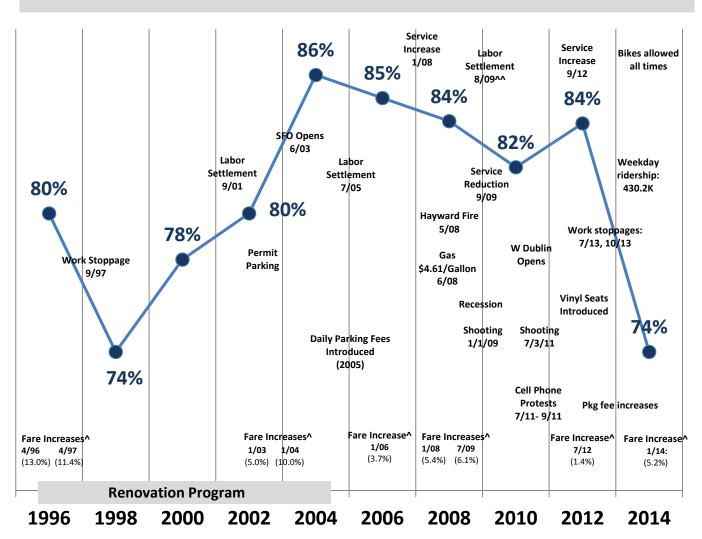
For 2014, overall satisfaction is down to 74% - almost exactly the same as in 1998. Similar to 1998, BART is experiencing historically high ridership (430,200 average weekday trips in September 2014, up 7% vs. two years prior) and is in dire need of renovation, making keeping up with demand very challenging. Additionally both the 1998 and 2014 surveys took place about a year after work stoppages. It should be noted, however, that of the approximately 1,500 riders who included comments on their surveys, only 3% specifically mentioned the 2013 strikes.

Other factors which may have influenced customer perceptions between 2012 and 2014 include:

• Fare and parking fee increases. BART fares increased 5.2% in January 2014, and parking fees increased multiple times at most stations with parking between the two survey periods.

<sup>&</sup>lt;sup>2</sup> The 7/09 fare increase of 6.1% does not include the minimum fare increase (+\$0.25) or the SFO premium fare increase (+\$2.50).

- A slight decrease in BART's on-time performance between the two survey periods. (BART's operational data show that 93.8% of trains were on time in the July-September 2014 period. This compares to 95.5% on time in the July September 2012 period.)<sup>3</sup>
- Changes in BART's bike rules. After a few pilot studies, BART permanently lifted many of the restrictions on bicycles during commute hours in 2013.
- Continued replacement of train car seat coverings and carpeting with materials that are easier to keep clean. BART's upholstered seat covers were replaced with vinyl seat covers (project was completed after the survey period), and the carpeted floors are being replaced with hard surface flooring (will be completed by June 30, 2015).



#### **SATISFACTION TRENDS: 1996 - 2014**

^ Percentages shown reflect average fare increases. The 2006 fare increase of 3.7% does not include an additional \$0.10 capital surcharge. The 7/09 fare increase of 6.1% does not include the minimum fare increase (+\$0.25) or the SFO premium fare increase (+\$2.50).

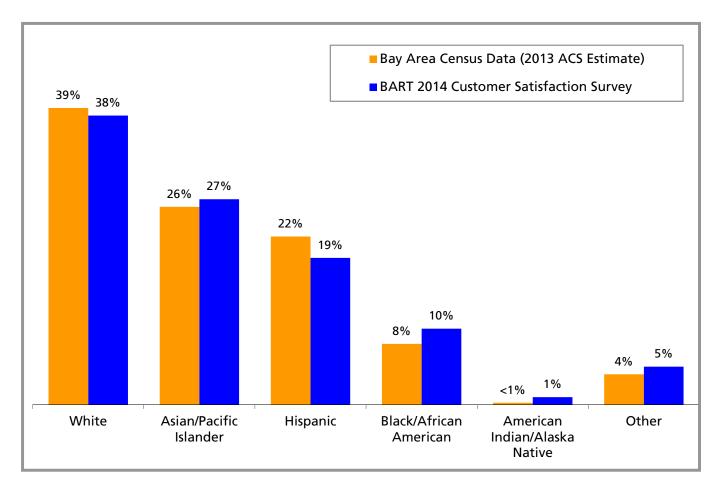
^^Work stoppage announced, but averted in 8/09.

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<sup>&</sup>lt;sup>3</sup> BART Quarterly Performance Reports; Q1, FY15 and FY13; "On-time Service – Customer"

## BART CUSTOMER ETHNICITY COMPARED TO REGIONAL DATA

BART customers' ethnicities reflect the diversity of the Bay Area.



Sources:

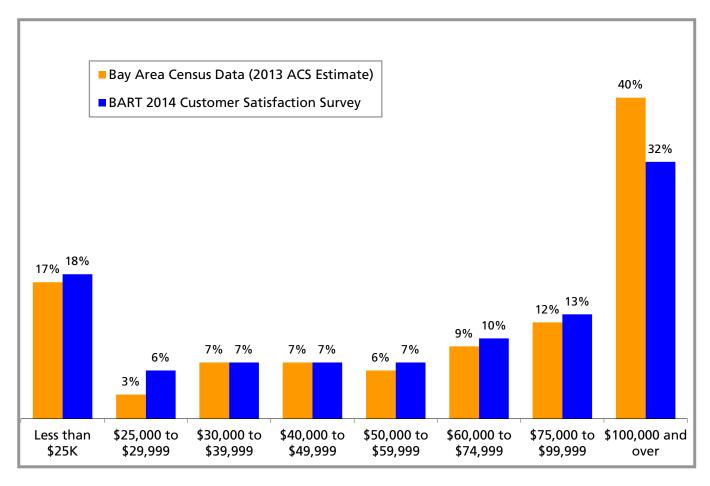
- U.S. Census Bureau, 2013 American Community Survey1-Year Estimates: Table C03002 "Hispanic or Latino Origin by Race." Universe: Total Population. (factfinder.census.gov)
- BART 2014 Customer Satisfaction Survey

Notes:

- 1) The ACS 2013 estimates shown only include data for the four counties within BART's service area: Alameda, Contra Costa, San Francisco, and San Mateo. Census tables adjust for unit non-response by weighting at the tract-level.
- 2) The categories shown in this chart classify respondents based on single vs. two-plus race and Hispanic vs. non-Hispanic. The categories "White," "Black/African American," "Asian/Pacific Islander," and "American Indian/Alaska Native" only include respondents who reported a single race and are non-Hispanic. All two-plus race, non-Hispanic responses are included within "Other." All Hispanic responses are included within Hispanic, regardless of race. Note that ethnicity data are categorized differently in other charts within this report, so the percentages shown will differ.
- 3) The BART data distribution is based on 5,429 responses and excludes 3% non-response.
- 4) In order to maintain comparability with prior years' BART data, those who responded to the ethnicity question but skipped the Hispanic question are included within the non-Hispanic race categories.
- 5) Totals may not add to 100% due to rounding.

## **BART CUSTOMER INCOMES COMPARED TO REGIONAL DATA**

BART customers' household incomes approximately track regional household income distribution; however, there are notable differences at the lowest and highest income levels.



Sources:

• U.S. Census Bureau, 2013 American Community Survey 1-Year Estimates: B19001 "Household Income in the Past 12 Months." Universe: Households. (factfinder.census.gov)

BART 2014 Customer Satisfaction Survey

Notes:

1) The ACS 2013 estimates shown only include data for the four counties within BART's service area: Alameda, Contra Costa, San Francisco, and San Mateo. Census tables adjust for unit non-response by weighting at the tract-level.

 The BART data distribution is based on 5,095 responses and excludes 9% non-response. Note that other tables within this report include non-response, so the percentages shown will differ.

3) Totals may not add to 100% due to rounding.

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# Appendix A: QUESTIONNAIRE

Questionnaires in: English Spanish Chinese Korean Vietnamese This page intentionally left blank.

survey back to the survey	efer to your overall BART experience. <b>Please hand the completed</b> coordinator. If necessary, you can also mail the survey to: P.O. Box 12688, Oakland, CA 94604-2688.
and Prize: Win an iPad! Enter on back for a cl	hance to win an iPad or one of four \$100 Clipper cards.
USAGE OF BART	OPINION OF BART
Which BART station did you enter before boarding this train?	<ul> <li>Overall, how satisfied are you with the services provided by BART?</li> <li>Very Satisfied</li> </ul>
(Entry Station)	Somewhat Satisfied
About what time did you get on this train?	<ul> <li>Reutral</li> <li>Somewhat Dissatisfied</li> </ul>
	□ Very Dissatisfied
(Hour) (Minute) At which BART station will you exit the system?	<ul> <li>Would you recommend using BART to a friend or out-of-town guest?</li> <li>Definitely</li> </ul>
(Exit Station)	🚛 Probably
Are you transferring between BART trains on this trip?	<ul> <li>Might or might not</li> <li>Probably not</li> <li>Definitely not</li> </ul>
What is the <b>primary</b> purpose of this trip? (Check only one)	14 To what extent do you agree with the following statement: "BART is a good value for the money."
Commute to/from work School	Agree Strongly
Airplane trip     Airplane trip     Sports event     Source trip	Agree Somewhat     Deutral
Visit friends/family	2 Disagree Somewhat 3 Disagree Strongly
I would not make this trip Bus or other transit (all the way to my destination) Drive alone to my destination and park Carpool Bicycle to my destination Other:	ABOUT YOURSELF  Seating was unavailable?  No 2 Yes – whole trip 3 Yes – part of trip
Did you use a <b>Clipper/TransLink</b> card to pay the fare for this one-way BART trip?	<ul> <li>NOTE: Please answer BOTH questions 16a and 16b.</li> <li>Are you of Hispanic, Latino or Spanish origin?</li> <li>No 2 Yes</li> </ul>
What type of fare did you pay for this BART trip? (check one)         Regular BART fare       Senior discount         High Value Discount       Disabled discount         (548 or \$64 value)       Student discount         Muni Fast Pass       Other:	<ul> <li>What is your race or ethnic identification? (Check one or more)</li> <li>White</li> <li>Black/African American</li> <li>Asian or Pacific Islander</li> <li>American Indian or Alaska Native</li> <li>Other:</li> </ul>
How did you travel between home and BART today?	(Questions are based on the U.S. Census)
Walked all the way to BART Bicycle Ruc(transit F) Where did you park?	17a Do you speak a language other than English at home?
Drove alone	1 No 2 Yes, I speak:
Carpooled	17b       If *Yes* to question 17a, how well do you speak English?         1       Very well       2       Well       3       Not well       4       Not at all
How long have you been riding BART?	18 Gender: 1□ Male 2□ Female
G months or less     More than 6 months but less than 1 year     1 – 2 years     3 – 5 years	19         Age:         1         12 or younger         \$         35 - 44           2         13 - 17         \$         45 - 54           3         18 - 24         \$         55 - 64           4         25 - 34         \$         65 and older
More than 5 years	20 What is your total annual household income before taxes?
How often do you <b>currently</b> ride BART? (Check one)	Vinat is your total annual notisenoid income before takes?     I Under \$25,000 s \$50,000 - \$59,999     I \$25,000 - \$29,999     I \$60,000 - \$74,999     I \$75,000 - \$75,99     I \$75,000 -

22 Please help BART improve service by rating each of the following attributes. "7" (excellent) is the highest rating, and "1" (poor) is the lowest rating. You also can use any number in between. Skip attributes that do not apply to you.

OVERALL BART RATING	Poor					E	xcellent
On-time performance of trains	1	2	3	4	5	6	7
Hours of operation	1	2	3	4	5	6	7
Frequency of train service	1	2	3	4	5	6	7
Availability of maps and schedules	1	2	3	4	5	6	7
Timely information about service disruptions	1	2	3	4	5	6	7
Timeliness of connections between BART trains	1	2	3	4	5	6	7
Timeliness of connections with buses	1	2	3	4	5	6	7
Availability of car parking	1	2	3	4	5	6	7
Availability of bicycle parking	1	2	3	4	5	6	7
Lighting in parking lots	1	2	3	4	5	6	7
Access for people with disabilities	1	2	3	4	5	6	7
Enforcement against fare evasion	1	2	3	4	5	6	7
Enforcement of no eating and drinking policy	1	2	3	4	5	6	7
Personal security in the BART system	1	2	3	4	5	6	7
bart.gov website	1	2	3	4	5	6	7
Leadership in solving regional transportation problems	1	2	3	4	5	6	7
	10	L	5	4	2	- 8	13
BART STATION RATING	Poor				-		xcellent
Length of lines at exit gates	1	2	3	4	5	6	7
Reliability of ticket vending machines	1	2	3	4	5	6	7
Reliability of faregates	1	2	3	4	5	6	7
Clipper cards	1	2	3	4	5	6	7
BART tickets	1	2	3	4	5	6	7
Escalator availability and reliability	1	2	3	4	5	6	7
Elevator availability and reliability	1	2	3	4	5	6	7
Presence of BART Police in stations	1	2	3	4	5	6	7
Presence of BART Police in parking lots	1	2	3	4	5	6	7
Availability of Station Agents	1	2	3	4	5	6	7
Helpfulness and courtesy of Station Agents	1	2	3	4	5	6	7
Appearance of landscaping	1	2	3	4	5	6	7
Stations kept free of graffiti	1	2	3	4	5	6	7
Station cleanliness	1	2	3	4	5	6	7
Restroom cleanliness	1	2	3	4	5	6	7
Elevator cleanliness	1	2	3	4	5	6	7
Signs with transfer / platform / exit directions	1	2	3	4	5	6	7
Overall condition / state of repair	1	2	3	4	5	6	7
BART TRAIN RATING	Роог	2752			177	160	Excellent
	1	2	3	4	5	6	7
Availability of seats on trains Availability of seats on trains for lummare biovales, and strallers					5	6	7
Availability of space on trains for luggage, bicycles, and strollers	1	2	3	4			
Availability of standing room on trains	1	2	3	4	5	6	7
Comfort of seats on trains	1	2	3	4	5	6	7
Condition / cleanliness of seats on trains	1	2	3	4	5	6	7
Comfortable temperature aboard trains	1	2	3	4	5	6	7
Noise level on trains	1	2	3	4	5	6	7
Clarity of public address announcements	1	2	3	4	5	6	7
Presence of BART Police on trains	1	2	3	4	5	6	7
Appearance of train exterior	1	2	3	4	5	6	7
Condition / cleanliness of windows on trains	1	2	3	4	5	6	7
Train interior kept free of graffiti	1	2	3	4	5	6	7
Train interior cleanliness	1	2	3	4	5	6	7
Condition / cleanliness of floors on trains	1	2	3	4	5	6	7
COMMENTS:	(Giv	e additio	nal feedba	ack at wy	vw.bart.g	ov/comm	ents.)

 NAME
 May we contact you in the future to ask your opinion about BART?
 Yes
 No

 DAYTIME TELEPHONE NUMBER:
 Would you like to sign up for a weekly BART email with contests, discounts and events close to baRAT stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This area to not, this overproken price value \$100 auth. BART Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This overproken price value \$100 auth. BART Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This overproken price value \$100 auth. Bart Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This overproken price value \$100 auth. Bart Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This overproken price value \$100 auth. Bart Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where prohibited. You may area more than once. This overproken price value \$100 auth. Bart Stations? (Coming Soon)
 Yes
 No

 CONTEXT RULE, logarebase necessary. You where state and local regulations apply. For Official Rules, go to www.bart gov/auvery.
 OVER ISPS
 OVER ISPS



## Encuesta y Concurso

Por favor, complete esta encuesta. Los datos de la encuesta serán confidenciales. A menos que se indique lo contrario, sus respuestas se deben referir a sus experiencias generales con BART. **Por favor, una vez completada, entregue la encuesta al coordinador de la encuesta.** Si fuese necesario también puede enviar la encuesta a: BART Marketing & Research, P.O. Box 12688, Oakland, CA 94604-2688.

an Premio: ¡Gane un iPac	Il Participe al dorso para gan	ar un iPad o una de cuatro tarjetas Clipper por valor de \$100
USO DE I	BART	OPINIÓN SOBRE BART
¿En qué estación de BART entré este tren?	ó usted antes de abordar	12 En general, ¿cuán satisfecho se siente usted de los servicios proporcionados por BART?
(Estación de e	ntrada)	s Muy satisfecho
¿A qué hora ingresó a este tren		a On poco satisfectio
(Hora) (Minuto)		2 □ Un poco insatisfecho 1 □ Muy insatisfecho
¿En qué estación saldrá usted d	el sistema BART?	¿Le recomendaría usted BART a un amigo o a un visitante de fuera de la ciudad?
(Estación de s	salida)	🚛 Con seguridad
¿Debe usted hacer transbordo d	le un tren de BART a otro	₄  Probablemente ₂  Quizás sí, guizás no
en este desplazamiento?		2 Probablemente no
		🗔 Seguro que no
¿Cuál es el objetivo <b>principal</b> de		14 ¿En qué medida está usted de acuerdo con la siguiente
<ul> <li>Viaje al/del trabajo</li> <li>Escuela</li> </ul>	Médico/Dental Compras	afirmación: "BART proporciona un buen servicio a un
🗉 Viaje en avión	C Restaurante	precio razonable." ?
Evento deportivo     S     Visita a amistades/familiares	Teatro o Concierto     Otro:	s□ Muy de acuerdo 4□ Un poco de acuerdo
Si el servicio de BART no hubiera		🚛 Neutral
¿cómo habría realizado este viaj		No muy de acuerdo
🔲 No hubiera realizado este de		I Muy en desacuerdo
<ul> <li>En autobús u otro medio de</li> <li>Hubiera manejado sólo hasta</li> </ul>		
estacionado	m destrio, y nabiera	ACERCA DE USTED
<ul> <li>Uso el transporte colectivo</li> <li>Habría usado mi bicicleta has</li> </ul>	sta llegar a destino	15 Después de abordar el tren para este desplazamiento, ¿permaneció de pie por falta de asientos?
C Otro:		No 2 Sí – durante todo 3 Sí – durante parte
¿Utilizó una tarjeta Clipper o Tr de este viaje de ida de BART?	r <b>ansLink</b> para pagar la tarifa	el trayecto del trayecto
No 2 Sí		→ NOTA: Por favor responda a AMBAS preguntas 16a y 16b.
¿Qué tipo de tarifa pagó uste (Margue uno)	ed por este viaje en BART?	tea ¿Es usted hispano, latino o de origen español?
	Descuento para personas	I No II Sí
Boleto de descuento de gran volumen sí	mayores Descuento para personas	16b ¿Cuál es su raza o identificación étnica? (Marque uno o más)
(valor de \$48 o \$64)	discapacitadas	Blanco     Negro/Afroamericano
	Descuento para estudiantes Otro:	Asiático o de las Islas del Pacífico
¿Cómo se desplazó desde su r		<ul> <li>Indio Americano o nativo de Alaska</li> <li>Otro:</li> </ul>
☐ Hice todo el camino hasta B/		(Estas categorias están basadas en el censo de los EE.UU.)
л 🛄 Bicicleta	/Dónde estacionó?	17a En su hogar, ¿habla algún idioma que no sea inglés?
Autobús/Transporte público	En el estacionamiento	<ul> <li>No</li> </ul>
□ Viaje compartido	de BART En otro lugar	2 Sí, hablo:
en auto	Si pagó ¿cuál fue la tarifa?	5 i respondió "Sí" a la pregunta 17a, ¿cuál es su nivel
Alguien me llevó D Otro:	1 Ninguna/Gratuita 1 Tarifa diaria	de inglés?
	🔲 Tarifa diaria reservada	🕞 Muy bien 🚛 Bien 🚛 No muy bien 🚛 No hablo inglés
¿Cuánto tiempo lleva usted viajando en BART?	Tarifa mensual reservada	18 Sexo: 1 Hombre 1 Mujer
Este es mi primer viaje en BA	RT	19 Edad: 12 o menor 5 35 - 44
<ul> <li>6 meses o menos</li> <li>Más de 6 meses, pero menos</li> </ul>	s de 1 año	13 - 17 45 - 54
🔲 1 – 2 años	ac runo	
s 3 – 5 años		■ 25 - 34 ■ 65 y mayor
Más de 5 años ¿Con cuánta freguencia visia en	PART on la actualidad?	20 ¿Cuáles son los ingresos anuales de su familia antes de pagas impuestos?
¿Con cuánta frecuencia viaja en (Marque uno)	DART en la actualidad?	pagar impuestos?
1 6 – 7 días a la semana		■ Menos de \$25,000 = \$59,999 ■ \$25,000 - \$29,999 ■ \$60,000 - \$74,999
		30,000 - \$39,999 1□ \$75,000 - \$99,999
🖅 5 días a la semana		
r□ 5 días a la semana s□ 3 – 4 días a la semana		₄□ \$40,000 - \$49,999 ⊫□ \$100,000 o más
🖅 5 días a la semana	¿Aproximadamente cuántas veces al año?	<ul> <li>40,000 - \$49,999</li> <li>\$100,000 o más</li> <li>Incluyéndole a usted, ¿cuántas personas viven en su casa?</li> <li>1 2 2 3 3 4 4 5 5 6 6+</li> </ul>

Por favor, ayude a BART a mejorar el servicio calificando cada una de las siguientes categorías. Califique cada una de las siguientes categorías y ayude a BART a mejorar el servicio. "7" (excelente) es la calificación más alta y "1" (pésimo) es la calificación más baja. También puede usar cualquier número entre el 1 y el 7. Omita las categorías que no sean pertinentes para usted.

CALIFICACIONES GENERALES	Pésimo						xcelente
Trenes puntuales, de acuerdo al horario	1	2	3	4	5	6	7
Horarios de funcionamiento	1	2	3	4	5	6	7
Frecuencia del servicio de trenes	1	2	3	4	5	6	7
Disponibilidad de mapas y horarios	1	2	3	4	5	6	7
Información oportuna sobre interrupciones en el servicio	1	2	3	4	5	6	7
Puntualidad de conexiones entre trenes de BART	1	2	3	4	5	6	7
Puntualidad de conexiones con autobuses	1	2	3	4	5	6	7
Disponibilidad de estacionamiento para autos	1	2	3	4	5	6	7
Disponibilidad de estacionamiento para bicicletas	1	2	3	4	5	6	7
Alumbramiento de estacionamientos	1	2	3	4	5	6	7
Acceso para personas con discapacidades	1	2	3	4	5	6	7
Aplicación de normas contra la evasión de tarifas	1	2	3	4	5	6	7
Aplicación de normas que prohiben comer y beber	1	2	3	4	5	6	7
Seguridad personal en el sistema BART	1	2	3	4	5	6	7
Página web bart.gov	1	2	3	4	5	6	7
Liderazgo en la solución de problemas regionales de transporte	1	2	3	4	5	6	7
CALIFICACIONES A ESTACIONES DE BART	Pésimo					E	xcelente
Longitud de filas en las puertas de salida	1	2	3	4	5	6	7
Fiabilidad de las máguinas de venta de boletos	1	2	3	4	5	6	7
Fiabilidad de las puertas de aplicación de tarifas	1	2	3	4	5	6	7
Tarjetas Clipper	1	2	3	4	5	6	7
Boletos de BART	1	2	3	4	5	6	7
Disponibilidad y fiabilidad de escaleras mecánicas	1	2	3	4	5	6	7
Disponibilidad y fiabilidad de elevadores	1	2	3	4	5	6	7
Presencia de Policía BART en las estaciones	1	2	3	4	5	6	7
Presencia de Policía BART en los estacionamientos	1	2	3	4	5	6	7
Disponibilidad de agentes en las estaciones							
Ayuda y cortesía de los agentes en las estaciones	1	2	3	4	5 5	6	7
Aspecto de la zona ajardinada		2					7
Estaciones libres de graffiti	1	2	3	4	5	6	
	1	2	3	4	5	6	7
Limpieza de las estaciones	1	2	3	4	5	6	7
Limpieza de los baños	1	2	3	4	5	6	7
Limpieza de los elevadores	1	2	3	4	5	6	7
Señales de indicación de transbordos / andenes / salidas	1	2	3	4	5	6	7
Condición general / estado de funcionamiento	1	2	3	4	5	6	7
CALIFICACIONES A TRENES BART	Pésimo					E	xcelente
Disponibilidad de asientos en los trenes	1	2	3	4	5	6	7
Disponibilidad de espacio en los trenes para equipaje, bicicletas y carritos de bebé (carreolas)	1	2	3	4	5	6	7
Disponibilidad de espacio para permanecer de pie en los trenes	1	2	3	4	5	6	7
Comodidad de asientos en los trenes	1	2	3	4	5	6	7
Condición / limpieza de asientos en los trenes	1	2	3	4	5	6	7
Temperatura confortable a bordo de los trenes	1	2	3	4	5	6	7
Nivel de ruido en los trenes	1	2	3	4	5	6	7
Claridad de los avisos por megafonía	1	2	3	4	5	6	7
Presencia de Policía BART en los trenes	1	2	3	4	5	6	7
Aspecto exterior del tren	1	2	3	4	5	6	7
Condición / limpieza de ventanas en los trenes	1	2	3	4	5	6	7
	1	2	3	4	5	6	7
Interior de los trenes libre de graffiti							
Interior de los trenes libre de graffiti Limpieza del interior de los trenes	1	2	3	4	5	6	7

#### PARTICIPACIÓN EN EL CONCURSO:

NOMBRE:

para preguntarle su opinión sobre BART?

NÚMERO DE TELÉFONO DIURNO: ( \_\_\_\_\_) \_\_\_ DIRECCIÓN DE CORREO ELECTRÓNICO:

¿Podemos comunicarnos con usted en el futuro ¿Desea inscribirse para recibir e-mails semanales de BART con concursos, descuentos y eventos próximos a las paradas de BART? (Práximamente)

REGLAS DEL CONCURSO: No es necesara la compra. No es valida donde esté prohibida. Puede participar mis de una vez. Fuede participar mis de una vez. Esta lotes infantas ad 20/10/14 a las 5 p.m., hora del Ratino. El patrocinador es Bay Area Rapid Plansti (RART). Disponible solo para readentes legaide dellos EE. UJ. en California que tengan al menos 18 años en el momento del impeso. Los empleadosciontratistas de BART) sus tamilantes o las personas que viven en a hograr no son elegibles para ampresa. Se aplicanto constra retendores las parocinas do entregará un iñad lvalor aproximado de S399) y custo targelanto clas personas que viven en as hograr no son elegibles para ampresa. Se aplicanto des las personas sos societos Nos encesano estar presento para ganza. Se aplicanto clas personas que, estatales y locales. Finar vei las reglas oficiales, viete venvolanta do de sobre Lordones to devides, estatales visorales. Finar vei las reglas oficiales, viete venvoltar do dos duranta do de sobre Lordones de devides, estatales visoradas. Para vei las reglas oficiales, viete venvoltar do dos durantos dos de sobre das constructivas dos de sobre das de sobre das constructivas dos de sobre das de sobre das de sobre das des das de sobre das des das de sobre das de das das de das das de sobre das de sobre das das de s



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經驗。請將填妥的調查問卷 經驗。請將填妥的調查問卷	斗將予以保密。除非另有說明,您的答案應反映您乘搭 BART 的整體 <b>交回調查統籌人員。如</b> 有需要,您亦可將調查問卷寄往以下地址: P.O. Box 12688, Oakland, CA 94604-2688.
奏:iPad! 請填妥並提交背頁的參加抽獎表格,您有	機會贏得一個 iPad 或一張價值 \$100 的 Clipper 卡 (共四張)
使用 BART 地鐵	對 BART 的意見
您在哪個 BART 地鐵站上車? (請填寫地鐵站名稱) 您此程上車的時間是在什麼時候? (□ 上午 3 □ 下午)	<ul> <li>12 整體來說,您對 BART 所提供服務的滿意程度為何?</li> <li>□ 十分滿意</li> <li>□ 頗為滿意</li> <li>□ 中立</li> <li>□ 稍有不滿</li> <li>□ 十分不滿</li> </ul>
(時) (分) (少) (少) (下車地鐵站下車? (下車地鐵站名称) 您在此程中間,是否需要轉車?	3 您會不會向朋友或來自外地的客人推薦乘坐 BART 地鐵? □ 肯定會 □ 可能會或不會 □ 大有可能个會 □ 肯定不會
	<ul> <li>13 您對以下講法的同意程度為何:「乘搭 BART 地鐵,物有所值。」</li> <li>○ 十分同意</li> <li>4 頗為同意</li> <li>○ 中立</li> <li>2 頗有異議</li> <li>○ 十分反對</li> </ul>
如果沒有 BART 地鐵服務,您將如何前往目的地? (猜選擇是運用的一项) □ 我將放棄前往 □ 巴士或其他公共交通(可以直讓我的目的地) □ 自駕前往並將車停在目的地 □ 與人共乘 □ 騎單車前往目的地 □ 其他: □ 您是使用 Clipper /TransLink 卡支付 BART 此單程車資的嗎? □ 否 □ □ 是	<ul> <li>閉於您自己</li> <li>15 此程在上車之後,您是否因為沒有座位而需要站著?</li> <li>□ 否 :□ 是 - 全程站著 ;□ 是 - 部份時間站著</li> <li>&gt; 注意:請同時回答 16a 和 16b 題。</li> <li>16a 您是否是西班牙裔或拉丁裔?</li> <li>□ 否 ;□ 是</li> </ul>
您使用何種車票支付 BART 此程車資?(調選/F70)       一般 BART 車票        2 超值票     5       (345 g) 564)        ● Muni Fast Pass 月票	16b       您屬於哪個種族或族裔?(講選擇→或多項)         □       白人         □       黒人/非裔         □       亞裔或太平洋裔         4       美國印第安裔或阿拉斯加裔         5       其他:
您今天以何種方式從住家前往 BART 地鐵站?         全程走路至 BART 車站         單車         巴士公共交通         自駕         別人開車         送我到地鐵站         其他:	<ul> <li>(止族商预则與美國人口普查相回)</li> <li>173 您在家是否講英語以外的語言?</li> <li>1 否</li> <li>2 是,我講:</li> <li>175 如 17a 題回答「是」,那麼您講英語的能力如何?</li> <li>1 很好 : □ 好 : □ 不大好 : □ 完全不懂</li> </ul>
<ul> <li>▲ Jie ·</li> <li>▲ math with a state of the state o</li></ul>	<ul> <li>18 性別: □ 男 □ 女</li> <li>19 年齢: □ 12 歲或以下 □ 35 - 44</li> <li>□ 13 - 17 □ 45 - 54</li> <li>□ 18 - 24 □ 55 - 64</li> <li>□ 25 - 34 □ 65 歲或以上</li> <li>20 府上全家每年的稅前總收入是多少?</li> </ul>
<ul> <li>您目前乘搭 BART 地鐵的次數是多少?(請測揮→功)</li> <li>一星期6-7天</li> <li>□一星期5天</li> <li>□ 一星期54</li> <li>□ 一星期1-4天</li> <li>□ 一星期1-2天</li> </ul>	1 \$25,000 以下 \$ \$50,000 - \$59,999     \$25,000 - \$29,999 \$ \$60,000 - \$74,999     \$23,000 - \$39,999 \$ \$75,000 - \$99,999     \$40,000 - \$49,999 \$ \$100,000 及以上     ①     包括您自己在內 · 府上共有多少人住?     1 2 2 2 3 4 4 5 5 6 6+

整體評分	差勁						卓越
列車準時性	1	2	3	4	5	6	7
營運時間	1	2	3	4	5	6	7
班次頻密性	1	2	3	4	5	6	7
提供地圖和行車時間表	1	2	3	4	5	6	7
及時提供服務中斷的資訊	1	2	3	4	5	6	7
兩趟 BART 列車的接駁及時性	1	2	3	4	5	6	7
興巴士接駁的及時性	1	2	3	4	5	6	7
亭車位供應	1	2	3	4	5	6	7
單車位供應	1	2	3	4	5	6	7
亭車場的照明狀況	1	2	3	4	5	6	7
針對殘障人士的便利性	1	2	3	4	5	6	7
執行逃票懲罰政策	1	2	3	4	5	6	7
執行車內禁止飲食政策	1	2	3	4	5	6	7
BART 系統內之個人安全性	1	2	3	4	5	6	7
bart.gov 網站	1	2	3	4	5	6	7
解決地區交通問題的領導能力	1	2	3	4	5	6	7
BART 地鐵站評分	差勁						卓越
出口處的人寵長度	1	2	3	4	5	6	7
山口風印入龍支及 售票機之可靠性	1	2	3	4	5	6	7
■示做之可靠住 驗票閘之可靠性	1	2	3	4	5	6	7
agy 新闻之 刊編に Clipper 卡	1	2	3	4	5	6	7
SART 車票	1	2	3	4	5	6	7
AAN 半示 扶手電梯的可用性和可靠性	1	2	3	4	5	6	7
	1		3		5		
電梯的可用性和可靠性		2		4		6	7
車站有 BART 警察	1	2	3	4	5	6	7
亭車場有 BART 警察	1	2	3	4	5	6	7
隨時可找到車站職員	1	2	3	4	5	6	7
車站車站職員能夠給予的幫助和表現出來的禮貌態度	1	2	3	4	5	6	7
車站外觀	1	2	3	4	5	6	7
車站沒有塗鴉	1	2	3	4	5	6	7
車站清潔狀況	1	2	3	4	5	6	7
洗手間清潔狀況	1	2	3	4	5	6	7
電梯清潔狀況	1	2	3	4	5	6	7
轉車/月台/出口指示標誌牌	1	2	3	4	5	6	7
整體情況/修理情況	1	2	3	4	5	6	7
BART 列車評分	差動						卓越
車內經常有座位	1	2	3	4	5	6	7
車內有供行李、單車和嬰孩車存放的空間	1	2	3	4	5	6	7
車內有站立空間	1	2	3	4	5	6	7
車內座位舒適	1	2	3	4	5	6	7
車內座位情況/清潔狀況	1	2	3	4	5	6	7
車內溫度適宜	1	2	3	4	5	6	7
車內噪音程度	1	2	3	4	5	6	7
公共通知的清晰度	1	2	3	4	5	6	7
車內有 BART警察	1	2	3	4	5	6	7
里內有 ban 畫祭 列車外觀	1	2	3	4	5	6	7
	1	2	3	4	5	6	7
列車車窗情況/清潔狀況 また:25-16-17							
車内沒有塗鴉	1	2	3	4	5	6	7
車內清潔狀況 =	1	2	3	4	5	6	7
車內地面情況/清潔狀況	1	2	3	4	5	6	1

22 請幫助我們改善服務,就 BART 以下每個項目予以評分。「7」(卓越) 是最高分。「1」(差勁) 是最低分。 當然,您可以選擇中間的任何分數。請跳過不適用於您的項目。

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	andit	1976	<b>1 1</b>	•••

	TO BE A VERY BUT TO A DEAL AND AN A DEAL AND		
姓名:	我們未來是否可以聯絡您,以便徵詢您對 BART — 服務的意見?	是	□否
日周電話:())	您是否想登記接收 BART 每星期發出的電郵通訊, 內容包括抽獎、特價和近地鐵站的活動資訊?		
電子部件地址:	— (即將發布)	是	□ 否
<b>抽與規則:</b> 無酒任何花聲。於射止處無效。但可以填堅一份以上的抽獎券。抽獎截止日期為太平洋臺令 參加考測為十八歲或以上之刻州將國合法居居。EAARI的權與合相工及其做人均不符合參加資格。通用 所有 (每項價值 100)。獎必值值總計:5799。我們將隨機給出指標者。信度者無須出席抽獎完整。通用所有	I其他限制。主辦方發出的鑽品將包括一個 iPad (價值約 \$399) 和四張 Clipper -	ŧ	請看背面 乏

Click I brad E       E AART QIQLAY Linka SEE 4 2/120 S100 Clipper 71: 6 17/12 EVOLATED TRUCK AND ALLANCE AND	이 설문지를 작성해 주십시오. 설 없으면 BART에 대한 귀하의 전반 설문조사 코디네이터에게 반납해	문조사를 통해서 수집한 정보는 비밀로 취급됩니다. 별도의 설명이 적인 경험에 관해 답변해 주셔야 합니다. 작성하신 설문지는 주십시오. 필요한 경우에는 설문지를 다음의 주소로 우송하실 Research, P.O. Box 12688, Oakland, CA 94604-2688.
• ○ □ BART \$\frac{1}{2}\$         \$\frac{1}{2}\$	대상: iPad를 받으십시오! iPad 또는 4개의 \$100 Clipper 카	드 중 1개를 받으시려면 뒷면에서 참가 신청을 하십시오.
(0000)         (0000)           (0000)         (0000)         (0000)         (0000)           (0000)         (0000)         (0000)         (0000)           (0000)         (0000)         (0000)         (0000)         (0000)           (0000)         (0	BART 이용	BART에 대한 의견
I 대부 및 시에 이 일차에 탑승하셨습니까?         0 Hand       0 Bant 역에시 하차하 大용소 실내?         0 Hand       0 Bant 역에시 하차하 大용소 실내?         0 Hand       0 Bant 역에시 하차하 大용소 실내?         0 Hand       0 Bant 9804 명족지까지 가는 동안 입차를 200% አልጣ 480 783         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 입차에 탑승한 주 목적은 무엇인니까? (#HUP BLM F4400         0 이 요청 T 입문 주 모음 다 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 어느 BART 역에서 이 열차에 탑승하셨습니까?	BART가 제공하는 서비스에 대해 전반적으로 얼마나 만족하십니까?
9 ○ LEART 20(M \$ \$\phi	2 대략 몇 시에 이 열차에 탑승하셨습니까?	4 ☐ 약간 만족 3 ☐ 만족도 볼만족도 아님 2 ☐ 약간 불만족
Image: Project Add Link:       Image: Project Add Link:         Image: Project Add Link:		13 친구나 타지에서 온 손님에게 BART를 이용하도록
B-2         ● 방생/치과 방문           B-2         ● 방생/치과 방문           C S63 71 28         ● 23 58           P S65 201 28         ● 23 58           P S65 AUT 28         ● 21 59           P S65 AUT 28         ● 21 59           P S65 AUT 28         ● 21 50           P S65 AUT 28         ● 21 5	<ul> <li>▲ 귀하는 BART를 이용하여 목적지까지 가는 동안 열차를 같아타셨습니까?</li> <li>□ 아니요 :□ 예</li> </ul>	4 ☐ 아마도 추천 3 ☐ 추천할 수도 있고 안 할 수도 있음 2 ☐ 아마도 추천하지 않을 것임
I H스 또는 다른 대종교통수단 (대종자/107 월상)         I 영국지/기지 원주 가름 운전하고 가서 주차         I 영국지/기지 관주 가름 운전하고 가서 주차         I 이나요 :       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1       통근       ●       병원/치과 방문         2       통학       >       쇼핑         3       공항으로 이동       ●       외식         4       운동경기 관람       ●       영화 또는 음악회 관람         5       가족/친구 방문       %       기타:         6       만약 BART 서비스가 제공되지 않는다면 어떤 방법으로 이동하시겠습니까? (가장 성호하는 한 가지 방법에 표시해 주십시오)	가격에 비해 가치가 높다." \$□ 매우 등의 4□ 약간 등의 3□ 등의도 부정도 아님 3□ 약간 부정
○ IDAN( 월 A3) 원도 탑경 노금을 Cupper / Translink         > FLE Z Taile X 26 LUPPer / Translink         ? LE Z Taile X 26 LUPPer / Translink         ? D BART BARD         ? O HART BARD         > D BART BARD         ? D P SAMED         ? D P SAMED <td< td=""><td>2 버스 또는 다른 대중교통수단 <i>(목적지까지 탑승)</i> □ 목적지까지 혼자 차를 운전하고 가서 주차 4 합승 통근(카플) □ 목적지까지 자전거를 이용</td><td>15 목적지로 가기 위해 열차에 탑승한 후에 좌석이 없어</td></td<>	2 버스 또는 다른 대중교통수단 <i>(목적지까지 탑승)</i> □ 목적지까지 혼자 차를 운전하고 가서 주차 4 합승 통근(카플) □ 목적지까지 자전거를 이용	15 목적지로 가기 위해 열차에 탑승한 후에 좌석이 없어
지불하셨습니까? (예나만 표시해 주십시오)         1       일반 BART 요금         1       건데 Hgh Value Discount         1       건형 X 월 일 0         (48 또는 564 가지)       기타:         1       고령자 함인         2       오늘 집에서 BART까지 검액서 왔음         1       고령자 함인         2       오늘 집에서 BART까지 검액서 왔음         1       고령자 환요         1       고영자 등 전금         1       전쟁 500 (1)         1	카드로 지불하셨습니까? 1 아니요 2 예	<ul> <li>주: 질문 16a와 16b에 모두 답변해 주십시오.</li> <li>166 귀하는 히스패닉, 라티노 또는 스페인 계통이십니까?</li> </ul>
9       오늘 집에서 BART까지 어떻게 오셨습니까?         1       집에서 BART까지 걸어서 있음         1       자전거를 타고 있음         1       자전거를 타고 있음         1       머니에 주차하셨습니까?         1       BART 역 밖에 주차         2       여디에 주차하셨습니까?         1       BART 역 밖에 주차         1       다른 사람들과         1       모일 입 요금         1       모일 입 요금         1       기 다:         1       마 요금을 지불하셨습니까?         1       무료         1       마 요금을 지불하셨습니까?         1       문료         1       BART를 처음 이용         1       요리 요리         1       BART를 처음 이용         1       1-2년         1       1-21	지불하셨습니까? (하나만표시해 주십시오) 1 일반 BART 요금 1 장애인 할인 2 High Value Discount 6 학생 할인 (548 또는 \$64 가치) 2 기타: 1 Muni Fast Pass	105       귀하의 인종 또는 민족은 어느 것에 속합니까 (하나 이상에 표시해 주십시오)         1       백인         2       흑인/아프리카계 미국인         3       야시아인 또는 태평양 제도인
운전해서 왔음       어떤 요금을 지불하셨습니까?         *       다른 사람의 데려다 주었음         *       다른 사람이 데려다 주었음         *       다른 사람이 데려다 주었음         *       다른 사람이 데려다 주었음         *       그 일일 요금         *       다른 사람이 데려다 주었음         *       일일 요금         *       일일 요금         *       그 일일 예약 요금         *       일일 예약 요금         *       일 여약 요금         *       월 27 예약 요금         *       월 27 예약 요금         *       월 20 예약 요금         *       월 20 예약 요금         *       월 20 예약 요금         *       1         *       671월 30 ħ         *       671월 34 ħ         *       671월 34 ħ         *       10 ₽         *       671월 34 ħ         *       124         *       13 - 17/세         *       18 - 24 M         *       19 - 9 + 7 + 7 + 7 + 7 + 7 + 7 +	1 집에서 BART까지 걸어서 왔음 2 자전거를 타고 왔음 3 버스/대중교통수단을 어디에 <b>주차하셨습니까?</b> 이용했음 Ⅰ	<ul> <li>□ 기타:</li> <li>(위의 질문들은 미국 인구조사에 근거하여 분류했습니다)</li> <li>172 귀하는 집에서 영어가 아닌 다른 언어를 사용하십니까?</li> <li>□ 아니요</li> </ul>
1       BART를 처음 이용         2       671월 0 ph         2       671월 0 ph         1       671월 2 an 1년 미만         3       1-2년         3-5년       3-5년         5       5년 초과         1 <b>현재</b> BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         1 <b>현재</b> BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         1 <b>현재</b> BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         1 <b>현재</b> BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         1 <b>현재</b> BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         1 <b>월주일에 5</b> 2         2 <b>2</b> 1 하의 기구에는 귀하를 포함해서 몇 사람이 살고 있습니까?         1 <b>2</b> 25,000 - \$39,999         2 <b>2</b> 272(0) - \$279,999         2 <b>2</b> 25,000 - \$39,999         2 <b>2</b> 272(0) - \$279,999         3 <b>3</b> 27,000 - \$279,999         4 <b>2</b> 1 귀하의 기구에는 귀하를 포함해서 몇 사람이	응전해서 왔음	하십니까? 1 대우 능숙 3 별로 능숙하지 않음
• 5년 초과         11 현재 BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)         • 일주일에 6-7일         • 일주일에 52일         • 일주일에 52         • 일주일에 1-2일         • 일주일에 1-2일         • 일주일에 1-2일         • 한 달에 한 번 미만	1 BART를 처음 이용 2 6개월 이하 3 6개월 초과 1년 미만 4 1-2년	19 연령: 1 12세 이하 3 35 - 44세 2 13 - 17세 6 45 - 54세 3 18 - 24세 7 55 - 64세
3 한 달에 1-3일       일 년에 대략 몇 번         4 한 달에 한 번 미만       이용하십니까?	<ul> <li>☞ 5년 초과</li> <li>현재 BART를 얼마나 자주 이용하십니까? (하나만 표시해 주십시오)</li> <li>□ 일주일에 6-7일</li> <li>□ 일주일에 5일</li> <li>□ 일주일에 3-4일</li> </ul>	1 \$25,000 미단 \$ \$50,000 - \$59,999 2 \$25,000 - \$29,999 3 \$30,000 - \$39,999 4 \$40,000 - \$49,999 3 \$100,000 0 [삼
🎧 재생 용지에 압석.인쇄. 20149 뒷면에 계속 😏	<ul> <li>화 달에 1-3일</li> <li>월 년에 대략 몇 번</li> <li>○ 한 달에 한 번 미만&gt;</li> </ul>	1 1명 2 2명 3 3명 4 4명 5 5명 4 6명 이상

다음의 각 항목을 평가하셔서 BART가 서비스를 개선하는 데 도움을 주시기 바랍니다. "7(매우 좋음)"은 가장 높은 등급이고, "1(매우 나쁨)"은 가장 낮은 등급입니다. 또한 그 사이의 어떤 등급도 선택하실 수 있습니다. 귀하에게 해당되지 않는 항목은 건너뛰십시오.

BART에 대한 전반적인 평가	매우 나물	a.					배우 좋음
결차의 정시 도착 및 출발	1	2	3	4	5	6	7
운행 시간	1	2	3	4	5	6	7
결차의 운행 횟수	1	2	3	4	5	6	7
지도와 운행 시간표 제공	1	2	3	4	5	6	7
운행 중단에 대한 적시 안내	1	2	3	4	5	6	7
BART 열차 사이를 적시에 연결	1	2	3	4	5	6	7
버스와 적시에 연결	1	2	з	4	5	6	7
주차장 제공	1	2	з	4	5	6	7
자전거 주차장 제공	1	2	3	4	5	6	7
주차장의 조명	1	2	3	4	5	6	7
장애인 편의 시설	1	2	3	4	5	6	7
무임 승차 방지	1	2	3	4	5	6	7
취식 및 음주 금지 정책 집행	1	2	3	4	5	6	7
BART 시스템 내에서의 개인 안전	1	2	3	4	5	6	7
bart.gov 웹사이트	1	2	3	4	5	6	7
지역 교통 문제를 해결하는 리더십	1	2	3	4	5	6	7
BART 역에 대한 평가	매우 나물		97.6	1	192		배우 동음
SARI 역에 대한 경기 출구의 줄 길이	1	2	3	4	5	6	7
물구의 물 물이 탑승권 판매기의 신뢰성	1	2	3		5	6	7
급응권 전에기의 전의영 자동개찰구의 신뢰성				4			
	1	2	3	4	5	6	7
Clipper 카드	1	2	3	4	5	6	7
BART 탑승권	1	2	3	4	5	6	7
에스컬레이터 운행 상태 및 신뢰성	1	2	3	4	5	6	7
엘리베이터 운행 상태 및 신뢰성	1	2	3	4	5	6	7
BART 역 내에 경찰관 배치	1	2	3	4	5	6	7
BART 주차장 내에 경찰관 배치	1	2	3	4	5	6	7
역무원의 근무 상태	1	2	3	4	5	6	7
역무원의 도움과 친절성	1	2	3	4	5	6	7
조경 상태	1	2	з	4	5	6	7
역에 낙서가 없도록 유지	1	2	з	4	5	6	7
역의 청결성	1	2	з	4	5	6	7
화장실의 청결성	1	2	3	4	5	6	7
엘리베이터의 청결성	1	2	3	4	5	6	7
환승/승강장/출구 방향을 안내하는 표지판	1	2	3	4	5	6	7
전반적인 상태/보수 상태	1	2	3	4	5	6	7
BART 열차에 대한 평가	배우 나쁜			0	065		배우 동음
열차 내에 좌석 제공	1	2	3	4	5	6	7
을지 위해 죄극 제공 열차 내에 짐가방, 자전거, 유모차를 실을 공간 제공	1	2	3	4	5	6	7
을차 내에 입지려, 자신가, 뉴도자를 물을 당신 제공 열차 내에 입석 제공	1	2	3	4	5	6	7
을차 데에 접찍 제공 열차 좌석의 편안함	1	2	3	4	5	6	7
열차 내 좌석의 상태/청결성 여러 내의 쾌정한 유도	1	2	3	4	5	6	7
열차 내의 쾌적한 온도	1	2	3	4	5	6	7
열차의 소음 수준	1	2	3	4	5	6	7
안내 방송의 명확성	1	2	3	4	5	6	7
열차 내에 BART 경찰관 배치	1	2	3	4	5	6	7
열차 외관	1	2	3	4	5	6	7
열차 창문의 상태/청결성	1	2	3	4	5	6	7
열차 내부에 낙서가 없도록 유지	1	2	3	4	5	6	7
멸차 내부의 청결성	1	2	3	4	5	6	7
여러 나는 나라 거나	1	2	з	4	5	6	7
열차 바닥의 상태/청결성	1	2	-		-	•	

경품행사 참가:

종료립니다. 후행자는 Bay Ana Rapid Transit (BART)입니다. 경품별시에 참가 시 18세 이상 된 캘리포니아 주주 및 그룹의 가족/가구 구성원은 참가할 자격이 없습니다. 다른 재산사람이 적용됩니다. 후원자는 바라야 539 태공합니다. 총 검플 금역은 5799입니다. 당첨자는 무작위 추첨에 의해 선정됩니다. 검플행사에 참석하지 않	상담의 가치) 1개와 Clipper Card 4개(각 카드 담 약 \$100 상담의 가치)를	앞	면 확인	Ð
<b>경품행사 규칙:</b> 구입할 필요가 없습니다. 경품행사가 금지되는 곳에서는 무효입니다. 두 번 이상 참가하실 수				
이매일 주소:	등을 알려주는 주간 BART 이메일을 받도록 등록하시겠습니까? (곧 제공됩니다)	🗖 ଖ	🗌 아니요	t
주간 전화번호: ( )	경품행사, 할인, BART 역 가까이에서 열리는 행사			
	저희가 나중에 BART에 대한 귀하의 의견을 듣기 위해 연락을 드려도 좋겠습니까?	🗖 ଜା	다. 아니요	2

# Thăm Dò & Thi Đua

Xin quý vị vui lòng điển vào mẫu thăm dò này. Các chi tiết trong cuộc thăm dò này sẽ được giữ kín. Trừ khi được ghi rô cho mục đích khác, những câu trả lời của quý vị đều nói về kinh nghiệm tổng quát của quý vị về BART. **Xin trao lại mẫu thăm dò đã điển xong cho nhân viên thăm dò**. Nếu cần, quý vị cũng có thể gửi mẫu thăm dò này đền: BART Marketing & Research, P.O. Box 12688, Oakland, CA 94604-2688.

Giải Độc Đắc: Thắng một iPad! Điền vào mặt sau để có cơ hội thắng một iPad hoặc một trong bốn thẻ Clipper trị giá \$100.

BART

SỬ DỤNG BA	\RT	Ý KIẾN VỀ BART
Quý vị đã vào trạm BART nào trước kh	i lên chuyến xe này?	12 Nói chung, quý vị hài lòng như thế nào đối với các dịch vụ do BART cung cấp?
(Ghi Tên Trạm)	-	I Rất Hài Lòng
Quý vị lên chuyến xe này vào khoảng	máy giờ?	I Hơi Hài Lòng Một Chút I Trung Tính
(Hour) (Minute) 1 Sáng	2 Chiếu	<ul> <li>Irung Inn</li> <li>Irung Inn</li></ul>
(Hour) (Minute) Quý vị sẽ rời khỏi hệ thống này ở trạm	BART nào?	1 Rất Không Hài Lòng
(Trạm Quý V) Sẽ Rờ		13 Quý vị có muốn đề nghị việc sử dụng BART một người bạn hoặc khách từ xa đến hay không?
Trong chuyển đi này quý vị có chuyển	sang những chuyến	≤ Chắc chắn ∢ Có thể
ke BART khác hay không?		Có thể có hoặc có thể không
Không I Có		2 Có thể không
Mục đích <b>chính yếu</b> của chuyến đi nà		1 Chắc chắn không
	Phòng mạch bác sĩ/Nha sĩ Mua sắm	Quý vị đồng ý với câu sau đây ở mức độ nào:
	Nhà hàng	"BART có giá trị đáng đồng tiền."
🗌 Thi đua thể thao 🛛 🚛	Rạp hát hoặc Hòa nhạc	💶 Đồng Ý Hoàn Toàn
Thăm viếng bạn bè/gia đình »		4 Hơi Đồng Ý Một Chút 3 Trung Tính
Nếu không có dịch vụ của BART, quý v năng cách pào? (Chrant the third in the second		I Hơi Bất Đồng Một Chút
bằng cách nào? <i>(Chọn một câu trà lời đúng n</i> ỉ 🗌 Tôi sẽ không thực hiện chuyển đi t		💵 🖬 Đồng Hoàn Toàn
<ul> <li>Xe buýt hoặc một phương tiện chu (để đi thắng đến nơi tôi muốn đến)</li> </ul>	uyên chở công cộng khác	
(để đi thắng đến nơi tời muốn đến) Lái xe một mình đến nơi & đầu xe		VỀ BẢN THÂN QUÝ VỊ
Di xe chung với người khác     Cách khác:		15 Sau khi lên chuyến xe để thực hiện chuyến đi này, quý vị có đứng v không có chỗ ngôi hay không?
Quý vị có dùng thẻ <b>Clipper / TransLi</b> ke BART một chiếu này hay không?	<b>nk</b> để trả lệ phí cho chuyến	Không Có – suốt cả J Có – một phần của chuyến đi chuyến đi
Không 💵 Có		LƯU Ý: Xin vui lòng trả lời CẢ HAI Câu Hỏi 16a và 16b.
Quý vị đi hoặc về giữa nhà và BART hôr	m nay bằng cách nào? (chọn một)	
	lớt giá cho người bị	Có phải quý vị là Người Gốc Nam Mỹ, Châu Mỹ La Tinh hoặc Tây Ba Nha hay không?
	huyết tật Sớt giá cho học sinh	1 Không ₂□ Có
Muni Fast Pass	ệ phí khác:	
Bớt giá cho người cao niên		Quý vị thuộc chủng tộc hoặc sắc dân nào? (Chọn một hoặc nhiều hơn) I Người Da Trắng
Quý vị đi hoặc về giữa nhà và BART l	hôm nay bằng cách nào?	Inguối Da Trang Ingười Mỹ Da Đen/Gốc Phi Châu
<ul> <li>Đi bộ suốt con đường đến BART</li> <li>Xe đạp</li> </ul>		Người Á Châu hoặc Dân Đảo Thái Bình Dương
	Quý vị đậu xe ở đầu?	<ul> <li>Thổ Dân Hoa Kỳ hoặc Dân Bản Xứ Alaska</li> <li>Chủng tộc khác:</li> </ul>
chở công cộng	🗌 Trong bãi đậu xe của	(Các phân loại trên đều dựa vào Thống Kê Dân Số Hoa Kỳ)
Lái xe một mình Đi xe chung với người	BART Noi khác	Quý vị có nói một ngôn ngữ không phải là tiếng Anh ở nhà hay không
khác	Quý vị đó <b>lệ phí</b> nào, nếu có?	Không
Được người khác chở đến	Không có/miễn phí Lệ phí mỗi ngày	Có, tôi nói tiếng:
3	<ul> <li>Dành Riêng Mỗi Ngày</li> <li>Dành Riêng Mỗi Tháng</li> </ul>	Nếu trả lời "Có" cho câu hỏi 17a, quý vị nói tiếng Anh thông thạo như thể nào?
Quý vị đã đi xe BART được pao lâu rồi?		Rất thông thạo     I Thông thạo     I Thông thạo     I Không thông thạo     Không nói được gì cả
<ul> <li>Đây là lần đầu tiên tôi đi xe BART</li> <li>6 tháng hoặc ít hơn</li> </ul>		18 Phái Tính: 1 Nam 2 Nữ
Hơn 6 tháng nhưng dưới 1 năm		19 Tuổi: 10 12 hoặc nhỏ hơn 10 35 - 44
1 – 2 năm 3 – 5 năm		2 13 - 17 3 18 - 24 2 55 - 64
Hơn 5 năm		4 25 - 34 ■ 65 và lớn hơn
<b>Hiện nay</b> quý vị có thường đi xe BAR	Tkhông? (Chọn một)	20 Tổng số lợi tức hằng năm của gia đình quý vị trước khi đóng thuế là
6 – 7 ngày trong một tuần		
<ul> <li>5 ngày trong một tuần</li> <li>3 – 4 ngày trong một tuần</li> </ul>		1 Dưới \$25,000 s \$50,000 - \$59,999 3 \$25,000 - \$29,999 € \$60,000 - \$74,999
1 – 2 ngày trong một tuần		x \$30,000 - \$39,999 x 575,000 - \$99,999
<ul> <li>1 – 3 ngày trong một tháng</li> <li>Dưới một lần trong một tháng -&gt;</li> </ul>	Khoảng bao nhiêu lần trong một năm?	«□ \$40,000 - \$49,999      \$100,000 và nhiều hơn
_ baormorian trong mot <b>thang→</b>		Image: The second sec

22 Xin quý vị vui lòng giúp BART cải thiện dịch vụ bằng cách đánh giá mỗi đặc điểm sau đây. "" (xuất sắc) là mức đánh giá cao nhất, và "1" (kém) là mức đánh giá thấp nhất. Quý vị cũng có thể dùng bất cứ con số nào ở giữa. Chỉ bỏ qua những đặc điểm nào không áp dụng cho quý vị.

ĐÁNH GIÁ TOÀN BỘ BART	Kém						Xuất sắc
Các chuyển xe chạy đúng giờ	1	2	3	4	5	6	7
Giờ hoạt động	1	2	3	4	5	6	7
Mức độ thường xuyên của dịch vụ xe điện	1	2	3	4	5	б	7
Bản đồ và lịch trình được cung cấp sẵn	1	2	3	4	5	6	7
Thông tin nhanh chóng về những lúc dịch vụ bị ngăn trở	1	2	3	4	5	б	7
Nói tiếp đúng lúc giữa các chuyến xe BART	1	2	3	4	5	6	7
Nối tiếp đúng lúc với các chuyển xe buýt	1	2	3	4	5	б	7
Bãi đậu xe có sẵn	1	2	3	4	5	6	7
Bãi đậu xe đạp có sẵn	1	2	3	4	5	6	7
Đèn sáng trong các bãi đậu xe	1	2	3	4	5	6	7
Phương tiện ra vào thuận tiện cho người bị khuyết tật	1	2	3	4	5	6	7
Thi hành luật đối với trường hợp lần tránh trả tiền vé	1	2	3	4	5	б	7
Thi hành luật về việc cấm ăn uống	1	2	3	4	5	6	7
An ninh cá nhân tại hệ thống BART	1	2	3	4	5	6	7
website bart.gov	1	2	3	4	5	6	7
Lãnh đạo trong việc giải quyết những vấn để về chuyên chở trong vùng	1	2	3	4	5	6	7
DÁNH GIÁ TRAM BART	Kém						Xuất sắc
Chiều dài của những hàng người đứng chờ ở cổng ra	1	2	3	4	5	6	7
Mức đáng tin cậy của những máy bán vé	1	2	3	4	5	6	7
Mức đáng tin cậy của những cổng thâu vé	1	2	3	4	5	6	
							7
Thẻ Clipper	1	2	3	4	5	6	7
Vé xe BART	1	2	3	4	5	6	7
Mức có sẵn và đáng tin cậy của thang cuốn tự động	1	2	3	4	5	6	7
Mức có sẫn và đáng tin cậy của thang máy	1	2	3	4	5	6	7
Sự hiện diện của Cảnh Sát BART tại các trạm	1	2	3	4	5	6	7
Sự hiện diện của Cảnh Sát BART tại các bãi đậu xe	1	2	3	4	5	6	7
Mức có sẵn của các Nhân Viên Của Trạm	1	2	3	4	5	6	7
Mức giúp đỡ và nhã nhặn của các Nhân Viên Của Trạm	1	2	3	4	5	6	7
Phong thái của vườn cảnh	1	2	3	4	5	6	7
Các trạm được giữ gìn sạch sẽ và không bị vẽ bừa bãi	1	2	3	4	5	6	7
Trạm xe sạch sẽ	1	2	3	4	5	6	7
Phòng vệ sinh sạch sẽ	1	2	3	4	5	6	7
Thang máy sạch sẽ	1	2	3	4	5	6	7
Các bảng hiệu có chỉ dẫn về việc chuyển xe / sân ga / lối ra	1	2	3	4	5	6	7
Tình trạng toàn bộ / tình trạng sửa chữa	1	2	3	4	5	6	7
ÐÁNH GIÁ XE BART	Kém						Xuất sắc
Có sẫn ghế ngồi trên xe	1	2	3	4	5	6	7
Có sẵn chỗ trên xe cho hành lý, xe đạp, và xe đẩy cho trẻ em	1	2	3	4	5	6	7
Có sẵn chỗ đứng trên xe	1	2	3	4	5	6	7
Ghế ngồi thoải mái trên xe	1	2	3	4	5	6	7
Tình trạng / mức sạch sẽ của những ghế ngối trên xe	1	2	3	4	5	6	7
Nhiệt độ thoải mái trên xe	1	2	3	4	5	6	7
Mức ổn ào trên xe	1	2	3	4	5		7
						6	
Thông báo công cộng rõ ràng Sự biên diễn của Cảnh Sát BART trên với	1	2	3	4	5	6	7
Sự hiện diện của Cảnh Sát BART trên xe	1	2	3	4	5	6	7
Phong thái bên ngoài của xe	1	2	3	4	5	6	7
Tình trạng / mức sạch sẽ của những cửa sổ trên xe	1	2	3	4	5	6	7
Bên trong xe được giữ sạch không bị vẽ bừa bãi	1	2	3	4	5	6	7
	1	2	3	4	5	6	7
Bên trong xe sạch sẽ Tình trạng / mức sạch sẽ của sàn xe	1	2	3	4	5	6	7

GHI DANH THAM DƯ CUỘC THI:

	Chúng tôi có thể liên lạc với quý vị trong tương lai			
TÊN HỌ:	để xin ý kiến của quý vị về BART hay không?	C6	🗌 Không	
Số ĐIỆN THOẠI BAN NGÀY: ()	Quý vị có muốn ghi tên để nhận email hằng tuấn của			
Dịa Chỉ EMAIL:	BART về những cuộc thi đua, giảm giá và những dịp tổ chức gần các trạm BART không? (Sáp Được Thực Hiện)	Со	Không	
LUT IF GOA CUCK THE Known of mmu gick. Advang ad gist rijt nat bi ngên dam. Qui va ci trid gist the durit hinks li PDT Carly to loa trad Hiel Tháng Cuuyên Chai Mannh Tinang Yang Yahi. GANT). Cuck thi chi mà dhag dho cu dinh hap phá Nih ndư chi ngà dàng và BANT và gis dhink cuc hành vien trang nhà cu ha pdu bhong Nih Gia Bei Kein de thum gia M có mac Hind (tri gist thains 359000) và bhón Capace Curd nhài thè ring si nhà cu ha pdu bhong Nih Gia Bei Kein de thum gia M Không an Là chui cu hàng si nhàng Lia Cuch an thai the nhài thè ring si nhàng an 1000. Thag si ái cu pinh muhang 379	XEM M	ĂT SAU	Ð	

# Appendix B: COMPLETE TABULATIONS

Note: "No Answer/NA" includes question non-response unless otherwise indicated.

The following symbols are used:

\*Less than 1%

- Zero

° Category not used on that year's survey.

Percentages were rounded up at the 0.5% level (if 0.5% or above, the percentage was rounded up; if 0.4% or below, the percentage was rounded down). Columns may not add to 100% due to rounding.

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#### TIME ENTERED THE BART SYSTEM FOR THIS TRIP

2. About what time did you get on this train?^

_		— Total —	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
AM			
Before 6 am	2	2	2
6 am – 9 am	20	20	21
9:01 am – 12 noon	16	12	13
РМ			
12:01 pm – 4 pm	16	17	16
4:01 pm – 7 pm	33	34	34
After 7 pm	10	12	12
Don't Know/No answ	ver 3	2	2
	100	100	100

The following time distribution includes both weekday and weekend survey periods.

#### **BART STATION ENTERED AND EXITED**

- Which BART station did you enter before boarding this train?
   At which BART station will you exit the system?

The following charts show BART stations entered by survey participants and BART stations at which they planned to exit.

BASE: (All Respondents – 5,609)	STATION ENTERED September 2014 (%)	STATION EXITED September 2014 (%)
EAST BAY		
Richmond	1	1
El Cerrito del Norte	2	2
El Cerrito Plaza	 1	_ 1
North Berkeley	1	1
Downtown Berkeley	3	4
Ashby	1	1
MacArthur	2	2
19 <sup>th</sup> Street/Oakland	2	- 3
12 <sup>th</sup> Street/Oakland City Center	3	3
Lake Merritt	2	2
Fruitvale	2	2
Coliseum	2	- 3
San Leandro	2	2
Bay Fair	2	2
Hayward	2	2
South Hayward	1	1
Union City	2	2
Fremont	3	3
Concord	1	1
Pleasant Hill	1	1
Walnut Creek	1	1
Lafayette	1	1
Orinda	*	*
Rockridge	1	1
West Oakland	1	2
North Concord/Martinez	*	*
Castro Valley	1	*
Dublin/Pleasanton	3	2
West Dublin/Pleasanton	2	*
Pittsburg/Bay Point	1	1
El Cerrito (Unspecified)	*	*
Oakland (Unspecified)	*	*

#### **BART STATION ENTERED AND EXITED (continued)**

BASE: (All Respondents – 6,700)	STATION ENTERED September 2014 (%)	STATION EXITED September 2014 (%)	
WEST BAY			
Embarcadero	8	8	
Montgomery Street	7	8	
Powell Street	7	8	
Civic Center/UN Plaza	6	5	
16 <sup>th</sup> Street/Mission	3	2	
24 <sup>th</sup> Street/Mission	3	2	
Glen Park	2	2	
Balboa Park	3	3	
Daly City	3	3	
Colma	1	1	
South San Francisco	1	1	
San Bruno	1	1	
San Francisco International Airport	2	2	
Millbrae	2	1	
San Francisco (Unspecified)	*	*	
Airport (Unspecified)	*	*	
OTHER/UNDETERMINED	1	3	

#### TRANSFER

4. Are you transferring between BART trains on this trip?

- About two out of ten riders transfer between trains on their trip.
- Weekend riders are more likely to transfer than weekday riders.

_		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
Yes	20	21	20
No	79	78	78
Don't Know/No answer	1	2	1
	100	100	100

	Peak		Off-Peak			Weekend			
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
Yes	16	17	17	22	23	22	31	27	29
No	83	81	82	77	76	77	68	72	70
Don't Know/No answer	1	2	1	1	1	1	1	2	1
	100	100	100	100	100	100	100	100	100

#### **TRIP PURPOSE (Multi-Year Comparison)**

#### 5. What is the primary purpose of this trip?

Nearly two-thirds of BART riders are commuting to or from work, with more than three-fourths (76%) commuting to/from work during the weekday peak period. On weekends, the most common trip purposes are commuting to/from work or visiting family/friends. (Refer to the next page for trip purpose by time period.)

		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
Commute to/from Work	58	59	60
Visit Family/Friends	8	8	9
School	10	9	7
Shopping	3	3	2
Airplane Trip	3	3	3
Sports Event	2	3	3 3 3
Theater or Concert	3	2	3
Restaurant	1	2	1
Medical/Dental	1	2	2
Work-Related Activity	1	1	1
Personal Business	1	1	1
Tourism/Sightseeing	1	1	1
Fitness/Recreation	*	*	1
Public Event	1	*	1
Museum/Art Gallery/Library	/ *	*	*
Other	2	2	2
More than One Purpose	3	3	3
Don't Know/No Answer	1	1	1
	100	100	100

### **TRIP PURPOSE (By Time Period)**

	Peak			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
	70	7.4	76			50	24	25	22
Commute to/from Work	73	74	76	52	53	56	21	25	22
School	10	8	6	13	11	10	4	4	4
Visit Family/Friends	4	4	4	9	9	9	21	22	24
Shopping	1	1	1	3	3	2	7	11	9
Airplane Trip	2	3	2	4	3	4	5	5	4
Sports Event	1	2	3	1	2	3	9	6	5
Theater or Concert	2	1	1	2	2	3	11	5	9
Restaurant	1	1	1	1	2	1	3	3	4
Medical/Dental	1	1	1	2	2	3	1	1	1
Work-Related Activity	1	1	1	2	2	1	1	1	1
Personal Business	1	*	*	1	1	1	2	1	1
Tourism/Sightseeing	*	*	*	1	1	1	1	1	1
Fitness/Recreation	*	*	*	*	*	*	1	1	1
Public Event	*	-	*	*	*	*	2	1	3
Museum/Art Gallery/Librar	v *	*	-	1	*	*	1	1	*
Other	, 1	1	1	3	3	3	4	6	5
More than One Purpose	2	2	2	4	4	3	5	5	6
Don't Know/No Answer	1	1	*	1	1	1	1	2	1
	100	100	100	100	100	100	100	100	100

\* Less than 1%

- Zero

#### **OTHER MODE COULD HAVE UTILIZED**

6. If BART service were not available, how would you make this trip?^

- Fifteen percent would not make the trip if BART were not available.
- Nearly half (48%) could have driven (by themselves or in a carpool) instead of taking BART.
- Thirty-five percent could have utilized a bus or some other form of public transit.

		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
I would not make this trip	) <sup>°</sup>	17	15
BART is my only option	25	0	0
Drive alone to my			
destination and park	37	37	35
Bus or other transit	29	34	35
Carpool	11	12	14
Bicycle to my destination	ο	0	2
Other	5	4	3
Don't Know/No Answer	1	1	1

		– Peak			Off-Pea	ak — —	v	Veekei	nd ——
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
I would not make this trip	0	14	13	0	17	16	0	24	23
BART is my only option	25	0	ο	26	ο	ο	24	0	ο
Drive alone to my									
destination and park	41	41	38	35	36	35	32	30	29
Bus or other transit	29	34	36	31	36	37	27	30	28
Carpool	11	13	16	9	11	11	16	13	16
Bicycle to my destination	ο	0	2	0	0	3	0	0	2
Other	4	3	2	5	5	3	7	5	5
Don't Know/No Answer	1	1	1	1	1	1	1	1	2

Note: Although not asked for, multiple mentions were accepted, so columns may not add to 100%.

^ In 2010 this question was worded: "What other type of transportation could you have used instead of BART for your trip today?"

° Choice not offered on that year's survey.

#### **CLIPPER / TRANSLINK USE**

7. Did you use a Clipper / TransLink Card to pay the fare for this BART trip?

- More than half of all riders used Clipper to pay for their trip.^
- Peak period riders are more likely to have used a Clipper card, while weekend riders are less likely to have used one of the cards.

_		– Total –	
	2012		2014
Base: (All Respondents)	6,700		5,609
	(%)		(%)
Yes	55		64
No	44		35
Don't Know/No answer	1		1
	100		100

	P	Peak		-Peak		
	2012	2014	2012	2014	2012	2014
Base: (All Respondents)	3,217	2,724	2,499	2,040	985	845
	%	%	%	%	%	%
Yes	62	70	52	60	41	50
Νο	38	29	47	39	58	48
Don't Know/No answer	1	1	1	1	1	1
	100	100	100	100	100	100

Data from 2010 are not shown as the question was reworded due to the elimination of the EZ Rider card for fare payment. In 2010, the question read, "Did you use an EZ Rider or Clipper / TransLink Card to pay for this BART trip?"

^Note that the percentage of surveyed riders using Clipper is higher than actual Clipper usage on BART in September 2014 (64% vs. 57%). This may be due to survey respondents responding in the affirmative if they have a Clipper card, even if they did not use the card for the surveyed trip.

#### FARE

8. What type of fare did you pay for this BART trip?

- About three-fourths of all riders pay the regular fare.
- Usage of the high-value discount fare has declined since 2010, most likely due to limited availability of high-value discount paper tickets. (The discount is available on Clipper Cards.)
- Usage of the high-value discount fare is highest among peak riders.

		— Total —		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
Regular Fare High Value Discount	(%) 61 25	(%) 72 15	(%) 74 13	
Muni Fast Pass Senior	4 4	4 4	3 4	
Disabled BART Plus	2 1	2 *	2	
Student	1	*	*	
Other/Don't Know/NA	2	4	3	
	100	100	100	

	Peak			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
Regular Ticket	54	66	70	64	74	76	78	83	83
High Value Discount	33	20	18	22	11	11	9	5	4
Muni Fast Pass	5	4	4	4	4	2	3	2	2
Senior	3	3	3	4	4	5	5	4	5
Disabled	1	2	1	2	2	2	2	2	1
BART Plus	1	*	-	1	*	-	*	*	-
Student	1	*	*	1	*	*	1	*	*
Other/Don't Know/NA	2	4	3	2	4	3	2	4	4
	100	100	100	100	100	100	100	100	100

#### HOW TRAVELED BETWEEN HOME AND BART

9. How did you travel between home and BART today?

- About one third of riders walk to BART.
- Five percent of riders bicycle to BART.
- Peak riders are more likely to have driven alone to BART than riders in other time periods.

		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
Walked Drove Alone Bus/Transit Dropped Off Carpooled Biked Other/Combo/DK/NA	(%) 32 28 16 11 6 4 4	(%) 31 29 17 10 6 5 3	(%) 33 28 14 10 6 5 4
	100	100	100

	Peak			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
Walked	28	28	29	34	32	35	36	38	37
Drove Alone	35	34	33	25	25	24	15	18	18
Bus/Transit	14	15	13	18	18	16	16	17	14
Dropped Off	12	10	10	10	10	10	12	11	11
Carpooled	4	5	6	5	5	5	12	9	10
Biked	4	4	5	4	6	6	4	4	5
Other/Combo/DK/NA	3	2	3	4	4	4	5	3	5
	100	100	100	100	100	100	100	100	100

#### WHERE PARKED/FEE

9A. Where did you park? 9B. What fee, if any, did you pay?

- The number of riders who park in BART lots has remained relatively constant since 2010.
- As might be expected, more peak riders pay for monthly reserved parking than riders in other time periods.

_		— Total —	
	2010	2012	2014
Base: (Drove/Carpooled)	1,959	2,283	1,904
	(%)	(%)	(%)
Parked			
In BART Lot	71	71	71
Off-site	14	15	19
Don't Know/No answ	ver 16	14	10
	100	100	100
Fee Paid			
None/free	29	32	30
Daily fee	32	35	36
Daily reserved	2	2	1
Monthly reserved	6	6	7
Don't Know/No answ	ver 32	26	26
	100	100	100

	Peak			Off-Peak			Weekend		
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (Drove/Carpooled)	1,093	1,267	1,070	632	747	593	234	269	241
	%	%	%	%	%	%	%	%	%
Parked									
In BART Lot	72	75	74	67	63	63	74	73	76
Off-site	13	13	16	18	21	26	7	8	12
Don't Know/No answer	15	11	9	16	16	10	20	19	11
	100	100	100	100	100	100	100	100	100
Fee									
None/free	25	27	24	26	29	28	57	61	63
Daily fee	37	40	43	35	36	37	4	8	5
Daily reserved	2	3	2	2	2	1	1	*	*
Monthly reserved	7	8	9	5	4	5	1	2	1
Don't Know/No answer	30	22	22	32	30	29	38	29	31
	100	100	100	100	100	100	100	100	100

#### **LENGTH OF TIME A BART CUSTOMER**

10. How long have you been riding BART?

- More than half of survey respondents have been riding BART for more than five years.
- Nineteen percent of riders have been riding BART for less than one year.

		— Total ——		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
Six Months or Less	14	14	14	
More than Six Months but Less than a Year 1 – 2 Years	4 12	5 13	5 13	Less than a Year = 18%
3 – 5 Years	12	15	15	
More than 5 Years	53	53	53	More than 5 Years = 53%
Don't Know/No Answer	1	*	1	
	100	100	100	

	Peak			——Off-Peak——			Weekend		
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
Six Months or Less	12	12	12	14	14	15	18	17	17
More than Six Months bu	t								
Less than a Year	5	5	5	4	5	4	4	4	4
1 – 2 Years	12	14	14	12	13	13	12	12	12
3 – 5 Years	18	14	15	16	15	15	15	15	13
More than 5 Years	53	54	54	53	52	52	51	52	53
Don't Know/No Answer	1	*	1	1	*	*	1	*	1
	100	100	100	100	100	100	100	100	100

#### FREQUENCY OF RIDING BART

11. How often do you currently ride BART?

- The majority of BART trips (82%) are made by customers who ride BART at least one day per week.
- 56% of BART trips are made by frequent customers who ride five or more days per week. Within the peak period, this percentage is even higher; 67% of peak period trips are made by frequent customers.

		Total		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
5 or More Days a Week	54	56	56	
3 – 4 Days a Week	17	16	16	
1 – 2 Days a Week	9	10	10	At least once/week = 81%
1, 2, 3 Days a Month	9	9	9	
Less than Once a Month	9	8	8	
Don't Know/No Answer	1	1	1	
	100	100	100	

	Peak			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
5 or More Days a Week	66	67	67	50	50	51	28	34	33
3 – 4 Days a Week	16	15	15	21	19	18	12	14	11
1 – 2 Days a Week	7	6	7	9	11	11	17	16	15
1, 2, 3 Days a Month	4	5	5	10	10	10	22	17	20
Less than Once a Month	6	5	5	10	9	9	20	17	19
Don't Know/No Answer	1	1	1	1	1	1	1	2	2
	100	100	100	100	100	100	100	100	100

#### **OVERALL SATISFACTION WITH BART**

12. Overall, how satisfied are you with the services provided by BART?

- Overall satisfaction with BART has decreased significantly since 2010.
- The decrease is greatest among weekday peak riders.

_		— Total —		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
Very Satisfied	36	40	28	
Somewhat Satisfied	46	44	46	Very or Somewhat Satisfied = 74%
Neutral	12	11	15	
Somewhat Dissatisfie	ed 5	4	8	
Very Dissatisfied	1	1	2	
Don't Know/No Answ	ver *	*	1	
	100	100	100	-
MEAN: (5 point scale)	4.12	4.18	3.90	

		- Peak			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845	
	%	%	%	%	%	%	%	%	%	
Very Satisfied	34	38	25	37	41	30	39	41	33	
Somewhat Satisfied	48	46	48	45	43	45	41	43	44	
Neutral	12	10	15	12	11	15	14	12	14	
Somewhat Dissatisfied	5	4	9	4	4	8	4	3	6	
Very Dissatisfied	1	1	2	1	1	2	1	1	2	
Don't Know/No Answe	er *	*	1	*	*	*	*	1	1	
	100	100	100	100	100	100	100	100	100	
MEAN: (5 point scale)	4.10	4.16	3.84	4.13	4.20	3.93	4.13	4.21	4.02	

#### **OVERALL SATISFACTION WITH BART (continued)**

-	Read % across							
	BASE	Satisfied		issatisfied	NA	MEAN		
GROUP	#	%	%	%	%	(5 point scale)		
TOTAL 2014								
By Frequency of Ridir	ng BART	•						
3+ Days a Week	4014	73	15	12	*	3.83		
Less Frequently but at								
Least Monthly	1055	80	12	7	1	4.05		
Less often	474	76	19	4	1	4.15		
By Gender								
Male	2735	75	15	10	*	3.91		
Female	2744	74	14	11	*	3.89		
By Age								
13 – 34	2728	73	17	10	*	3.85		
35 – 64	2533	76	12	11	*	3.92		
65 & Older	278	84	9	6	2	4.24		
By Standing/Not Stan	ding							
Yes	1684	67	17	16	*	3.68		
No	3865	78	13	8	*	4.00		
By Ethnicity								
White	2524	77	12	11	*	3.93		
Black/African Amer.	675	74	17	9	*	3.95		
Asian/Pac. Islander	1651	72	17	10	*	3.85		
Other	621	75	15	10	-	3.93		
By Hispanic / Latino /	Spanish	Origin						
Yes	1053	77	13	9	*	3.99		
Νο	4393	74	15	11	*	3.89		
By Disabled Fare Type	9							
Disabled discount	92	79	12	10	-	4.04		

\* Less than 1%

- Zero

#### **OVERALL SATISFACTION WITH BART (continued)**

_	Read % across						
	BASE	Satisfied		oissatisfied	NA	MEAN	
GROUP	#	%	%	%	%	(5 point scale)	
TOTAL 2014							
By Trip Purpose							
Commute to Work	3393	72	14	13	*	3.79	
School	397	76	19	5	*	4.01	
Shopping	138	79	15	5	1	4.12	
Medical/Dental	87	86	9	4	-	4.23	
Airplane Trip	160	77	13	10	_	4.01	
Sports Event	169	84	11	4	1	4.24	
Visit Friends/Family	494	80	13	6	1	4.12	
Restaurant	83	76	17	5	2	4.01	
Theater/Concert	162	77	15	8	*	3.98	
				-			
By Access Mode							
Walk	1825	78	13	8	*	4.01	
Bike	299	73	14	12	*	3.83	
Bus/Transit	796	76	15	8	1	3.99	
Drive Alone	1553	69	15	15	*	3.73	
Carpool	349	72	17	10	1	3.86	
Dropped Off	578	76	14	9	*	3.97	
By Household Income	•						
Under \$25,000	942	77	16	7	-	4.03	
\$25,000- \$49,999	988	75	16	9	*	3.95	
\$50,000 - \$74,999	873	75	14	11	*	3.90	
\$75,000 - \$99,999	637	75	11	13	*	3.84	
\$100,000 or More	1655	73	13	13	*	3.84	
By How Long Riding E			4 -	_		4.00	
6 Months or Less	772	77	15	7	1	4.03	
6 Months – One Year	259	71	16	12	1	3.88	
One – Two Years	742	73	15	11	*	3.84	
Three – Five Years	831	71	17	12	*	3.81	
More than Five Years	2973	75	13	11	*	3.91	

\* Less than 1%

- Zero

#### **OVERALL SATISFACTION WITH BART (continued)**

Read % across						1		
GROUP	BASE #	Satisfied %	Neutral %	Dissatisfied %	NA %	MEAN (5 point scale)		
	π	70	70	70	70	(5 point scale)		
TOTAL 2014								
By Other Mode Could I	Have U	sed for Tri	ip^					
Would not make trip	864	73	16	11	*	3.90		
Bus/Other Transit	1970	75	14	10	1	3.93		
Drive Alone	1978	75	13	12	*	3.88		
Carpool	790	71	15	13	1	3.80		
Bicycle	139	77	14	7	2	3.98		
Other	168	72	18	9	1	3.92		
By BART Recommenda	tion							
Definitely	3335	91	6	2	*	4.33		
Probably	1671	61	27	12	*	3.54		
Might/Might Not	441	22	31	47	*	2.69		
Definitely/Probably Not	138	6	12	82	-	1.84		
By Statement, "BART i	s a Goo	od Value f	or the M	loney"				
Agree Strongly	1413	96	3	1	*	4.55		
Agree Somewhat	2120	85	11	4	*	4.04		
Neutral	1137	59	29	11	*	3.62		
Disagree	886	36	24	40	*	2.90		

\*Less than 1%

- Zero

^Multiple responses accepted

#### WILLINGNESS TO RECOMMEND BART

13. Would you recommend using BART to a friend or out-of-town guest?

• Nearly nine in ten (89%) would definitely or probably recommend using BART to a friend or out-of-town guest. There has been a shift from those who would definitely recommend BART to those who would probably recommend BART.

_		Total		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
Definitely	65	69	59	
Probably	28	25	30	Definitely or Probably = 89%
Might or Might Not	6	5	8	
Probably Not	1	1	2	
Definitely Not	*	*	1	
Don't Know/No Answ	ver *	*	*	
	100	100	100	
MEAN: (5 point scale)	4.57	4.61	4.46	

	Peak			Off-Peak			Weekend			
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143 2	2,499	2,040	868	985	845	
	0/	0/	0/	0/	0/	0/	0/	0/	0/	
	%	%	%	%	%	%	%	%	%	
Definitely	62	67	56	68	70	62	69	70	64	
Probably	30	26	32	26	24	29	24	24	27	
Might or Might Not	6	6	9	5	4	7	5	4	7	
Probably Not	1	1	2	1	1	2	1	11	1	
Definitely Not	*	*	1	*	1	1	1	*	*	
Don't Know/No Answe	r *	*	1	*	*	*	*	1	1	
	100	100	100	100	100	100	100	100	100	

#### VALUE

14. To what extent do you agree with the following statement: "BART is a good value for the money?"

• Nearly two-thirds (63%) of BART riders agree with the statement: "BART is a good value for the money." This percentage is about the same as the 64% who agreed in 2010, but lower than the 70% who agreed in 2012.

		Total		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
Agree Strongly	24	30	25	
Agree Somewhat	40	40	38	Agree Strongly or Somewhat = 63%
Neutral	20	18	20	
Disagree Somewhat	: 12	9	11	
Disagree Strongly	4	3	5	
Don't Know/No Ans	swer 1	1	1	
	100	100	100	_
MEAN: (5 point scale	) 3.68	3.86	3.68	

	Peak				Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845	
	%	%	%	%	o %	%	%	%	%	
Agree Strongly	22	27	23	25	5 32	27	27	31	29	
Agree Somewhat	41	42	37	39	) 39	38	37	38	40	
Neutral	20	18	22	19	) 18	19	21	18	18	
Disagree Somewhat	12	9	13	12	2 8	10	11	9	9	
Disagree Strongly	4	3	5	2	4 3	5	4	2	3	
Don't Know/No Answei	r 1	1	1	1	*	1	1	1	1	
	100	100	100	100	) 100	100	100	100	100	

#### SEATING AVAILABILITY

15. After you boarded the train for this trip, did you stand because seating was unavailable?

- Nearly one-third of riders had to stand because seating was unavailable.
- Among those who had to stand, 52% had to stand for the whole trip.
- Peak hours had the highest percentage of standees.

_	Total					
	2010	2012	2014			
Base: (All Respondents)	5,804	6,700	5,609			
	(%)	(%)	(%)			
Yes, stood	18	26	30			
No, did not stand	81	74	69			
Don't Know/No Ansv	ver 1	1	1			
	100	100	100			
Base: (Stood During Trip)	1,050	1,713	5,609			
	(%)	(%)	(%)			
For Whole Trip	36	44	52			
For Most of Trip	28	ο	0			
For Part of Trip	o	55	47			
For Small Portion	27	0	o			
Unspecified	8	*	1			
•	100	100	100			

	Peak			Off-Pea	ak —				
	2010	2012	2014	2010	2012	2014	2010	2012	2014
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845
	%	%	%	%	%	%	%	%	%
Yes, stood	22	33	35	15	20	26	13	17	22
No, did not stand	77	66	63	84	80	73	86	82	77
Don't Know/No Answei	• 1	1	1	1	1	1	2	1	2
	100	100	100	100	100	100	100	100	100
Base: (Stood)	616	1,057	966	324	490	537	109	167	182
	%	%	%	%	%	%	%	%	%
For Whole Trip	42	49	58	28	39	45	31	34	41
For Most of Trip	29	ο	ο	28	ο	0	28	ο	ο
For Part of Trip	ο	51	41	0	61	54	0	65	58
For Small Portion	23	o	0	34	0	0	30	ο	ο
Yes, unspecified/									
Multiple Responses	0	о	1	0	0	1	0	0	1
Don't Know/No Answei	6	*	o	11	*	o	11	1	ο
	100	100	100	100	100	100	100	100	100

° Choice not offered on that year's survey.

#### **ETHNIC IDENTIFICATION**

16b. What is your race or ethnic identification? (*Check one or more.*) 16a. Are you of Hispanic, Latino or Spanish origin?

• BART has a diverse ridership.

		—Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
White	45	45	45
Asian or Pacific Islander	29	28	29
Black/African American	13	13	12
American Indian or Alaska Nativ	e 2	2	2
Other/No Answer	15	16	16
Hispanic	18	19	19

	Peak				Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845	
	%	%	%	%	%	%	%	%	%	
White	43	44	44	46	44	45	50	49	47	
Asian or Pacific Islander Black/African American	34 11	31 12	33 11	25 15	26 14	27 14	22 12	26 13	25 12	
American Indian or Alaska Native		2	2	2	2	2	2	2	2	
Other/No Answer	13	15	15	15	18	16	18	15	16	
Hispanic	16	18	18	19	20	19	20	20	19	
riispariic	10	10	10	19	20	19	20	20	19	

Note: Multiple responses were accepted, so columns will not add to 100%. Reported percentages for ethnicity and Hispanic origin are <u>not</u> exclusive, e.g., a respondent who indicates she is White and Hispanic is included in both categories. The ethnicity data on the next page are categorized differently, so the percentages shown will differ.

#### **BART CUSTOMER ETHNICITY COMPARED TO REGION**

BART Customer Ethnicity Compared to Bay Area Counties in BART's Service Area

- BART customer ethnicities reflect the diversity of the region.
- The following table compares the reported ethnicity of BART riders (excluding no response) to the 2013 American Community Survey estimates.

	•	2				
Population	<b>ALAMEDA</b> 1,578,891	<b>CONTRA</b> <b>COSTA</b> 1,094,205	SAN FRANCISCO 837,442	SAN MATEO 747,373	FOUR- COUNTY TOTAL 4,257,911	BART 2014 CUST. SAT. SURVEY 5,429
	%	%	%	%	%	%
White (non-Hispanic)	33	46	41	41	39	38
Black/African American (non-Hispanic)	11	9	6	2	8	10
Asian/Pacific Islander (non- Hispanic)	28	15	34	27	26	27
American Indian or Alaska Native (non- Himania)	<1	<1	<1	<1	<1	1
Hispanic)	<1	<1		<1		1
Hispanic (any race)	23	25	15	25	22	19
Other, including 2+ Races (non-Hispanic)	5	5	4	4	4	5
Total	100	100	100	100	100	100

Race and Ethnicity BART Compared to Bay Area Counties in BART's Service Area

Sources:

• U.S. Census Bureau, 2013 American Community Survey 1-Year Estimates: Table C03002 "Hispanic or Latino Origin by Race." Universe: Total Population. (factfinder.census.gov)

• BART 2014 Customer Satisfaction Survey

Notes:

1) The ACS 2013 estimates shown only include data for the four counties within BART's service area: Alameda, Contra Costa, San Francisco, and San Mateo. Census tables adjust for unit non-response by weighting at the tract-level.

2) The categories shown in this table classify respondents based on single vs. two-plus race and Hispanic vs. non-Hispanic. The categories "White," "Black / African American," "Asian/Pacific Islander," and "American Indian/Alaska Native" only include respondents who reported a single race and are non-Hispanic. All two-plus race, non-Hispanic responses are included within "Other." All Hispanic responses are included within Hispanic, regardless of race. Note that ethnicity data are categorized differently in other charts within this report, so the percentages shown will differ.

3) The BART data distribution is based on 5,429 responses and excludes 3% non-response.

4) In order to maintain comparability with prior years' BART data, those who responded to the ethnicity question but skipped the Hispanic question are included within the non-Hispanic race categories.

5) Totals may not add to 100% due to rounding.

#### **ENGLISH PROFICIENCY**

17. Do you speak a language other than English at home?^ 17a. If "Yes," how well do you speak English?

-		— Total –		
	2012		2014	
Base: (All Respondents)	6,700		5,609	
	(%)		(%)	
Speak language othe	r than Englis	sh		
Yes	40		37	
No	57		62	
No Answer	2		2	
	100		100	
		2012	2014	
Base: (Speak other than E	nglish at home	) 2,711	2,049	
		(%)	(%)	
Speak English:				
Very Well		65	71	
Well		21	21	
Not Well		8	5	
Not at All		1	*	
Don't Know/No Ans	wer	5	3	
		100	100	
	Pe	ak——	Off	-Peak —
	2012	2014	2012	2014

	Peak		Off	-Peak —	Weekend		
	2012	2014	2012	2014	2012	2014	
Base: (All Respondents)	3,217	2,724	2,499	2,040	985	845	
	%	%	%	%	%	%	
Yes	41	37	40	36	39	36	
No	57	61	58	63	59	63	
Don't Know/No Answer	2	2	2	2	2	1	
	100	100	100	100	100	100	

	Peak		Off	-Peak	Weekend		
	2012	2014	2012	2014	2012	2014	
Base: (Speak other than English @ home)	1,323	1,011	1,003	732	385	306	
	%	%	%	%	%	%	
Very Well	70	74	62	70	57	65	
Well	18	20	23	21	27	22	
Not Well	7	3	8	6	9	9	
Not at All	1	*	1	1	1	*	
Don't Know/No Answer	4	3	6	3	6	4	
	100	100	100	100	100	100	

^ These questions were added to the survey in 2012.

#### GENDER

18. Gender

		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
Male	47	46	49
Female	51	49	49
Don't Know/No ansv	ver 2	5	2
	100	100	100

		——Peak——			Off-Peak					
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845	
	%	%	%	%	%	%	%	%	%	
Male	44	43	47	49	50	50	51	48	49	
Female	54	52	50	49	45	48	47	47	48	
Don't Know/No answei	r 2	5	2	2	4	2	2	5	3	
	100	100	100	100	100	100	100	100	100	

#### AGE

19. Age

- Just over two-thirds of BART riders (68%) are under age 45.
- On weekends, about one out of four riders is 18 24 years old.

		Total _		
	2010	2012	2014	
Base: (All Respondents)	5,804	6,700	5,609	
	(%)	(%)	(%)	
12 or Younger^	*	-	-	
13 – 17	2	2	2	
18 – 24	17	18	16	
25 – 34	29	29	31	
35 – 44	19	18	19	Under 45 = 68%
45 – 54	16	16	15	
55 – 64	11	12	11	
65 & Older	4	5	5	
Don't Know/No answer	1	1	1	
	100	100	100	

	Peak			Off-Peak						
	2010	2012	2014	2010	2012	2014	2010	2012	2014	
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845	
	%	%	%	%	%	%	%	%	%	
12 or Younger^	-	-	-	*	-	-	*	-	-	
13 – 17	2	2	2	2	2	2	4	5	3	
18 – 24	12	13	12	22	21	18	23	24	22	
25 – 34	31	29	29	27	29	32	28	30	32	
35 – 44	21	20	22	18	17	17	15	14	13	
45 – 54	18	18	19	16	15	13	12	10	12	
55 – 64	12	13	11	10	10	11	11	11	9	
65 and Older	3	4	4	5	5	6	6	5	7	
Don't Know/No answer	· 1	1	1	1	1	1	1	1	2	
	100	100	100	100	100	100	100	100	100	

\*Less than 1%

- Zero

^As the survey methodology is based on surveying riders who are at least 13 years of age, completed questionnaires from riders ages 12 and younger were removed from the database in 2012.

#### INCOME

20. What is your total annual household income before taxes?^

- Nearly one-third (30%) of BART riders have household incomes of \$100,000 or more.
- Peak riders are more affluent than other riders.

		Total	
	2010	2012	2014
Base: (All Respondents)	5,804	6,700	5,609
	(%)	(%)	(%)
Under \$25,000	22	19	17
\$25,000 – \$49,999	16	20	18
\$50,000 – \$74,999	17	16	16
\$75,000 – \$99,999	11	11	11
\$100,000 and over	24	24	30
Don't Know/No answe	er 10	9	9
	100	100	100

		Peak			Off-Peak						
	2010	2012	2014	2010	2012	2014	2010	2012	2014		
Base: (All Respondents)	2,792	3,217	2,724	2,143	2,499	2,040	868	985	845		
	%	%	%	%	%	%	%	%	%		
Under \$25,000	14	13	12	29	24	21	32	28	24		
\$25,001 – \$49,999	16	17	15	17	22	20	16	22	22		
\$50,000 – \$74,999	19	18	17	15	15	15	16	14	14		
\$75,000 – \$99,999	13	12	14	9	9	10	8	10	8		
\$100,000 and over	29	29	34	20	22	27	18	16	22		
Don't Know/No answer	10	10	9	10	8	9	10	10	11		
	100	100	100	100	100	100	100	100	100		

^ Responses were combined to allow comparison of the 2012 and 2014 surveys with the 2010 surveys, which had different income ranges on the survey instrument.

#### BART CUSTOMER HOUSEHOLD INCOMES COMPARED TO REGION

BART Customer Household Incomes Compared to Bay Area Counties in BART's Service Area

- BART customer incomes track household incomes in the region. •
- There are, however, differences at the highest and lowest income levels. •

Households	Alameda 555,909	Contra Costa 382,356	San Francisco 354,651	San Mateo 258,791	4 County Total 1,551,707	BART 2014 Customer Satisfaction Survey 5,095
	%	%	%	%	%	%
Under \$25,000	18	15	20	12	17	18
\$25,000-\$29,999	3	3	3	3	3	6
\$30,000-\$39,999	7	8	6	6	7	7
\$40,000-\$49,999	7	7	6	6	7	7
\$50,000-\$59,999	6	6	5	6	6	7
\$60,000-\$74,999	9	9	7	8	9	10
\$75,000-\$99,999	12	13	11	14	12	13
\$100,000 and Over	36	40	41	46	40	32
Total	100	100	100	100	100	100

**Household Income** 

#### **BART Compared to Bay Area Counties in BART's Service Area**

Sources:

• U.S. Census Bureau, 2013 American Community Survey 1-Year Estimates: Table B19001 "Household Income in the Past 12 Months." Universe: Households. (factfinder.census.gov)

• BART 2014 Customer Satisfaction Survey

Notes:

1) The ACS 2013 estimates shown include only data for the four counties within BART's service area: Alameda, Contra Costa, San Francisco, and San Mateo. Census tables adjust for unit non-response by weighting at the tract-level.

2) The BART data distribution is based on 5,095 responses and excludes 9% non-response. Other tables within this report include non-response, so the percentages shown will differ.

3) Totals may not add up to 100% due to rounding.

#### NUMBER IN HOUSEHOLD

21. Including yourself, how many people live in your household?^

• Twenty-nine percent of riders live in two-person households.

_		Total
	2012	2014
Base: (All Respondents)	6,700	5,609
	(%)	(%)
One	18	17
Two	31	29
Three	20	19
Four	17	17
Five	7	7
Six or more	5	5
No Answer/		
Multiple responses	3	6
	100	100

	Pe	eak	Off	-Peak —			
	2012	2014	2012	2014	2012	2014	
Base: (All Respondents)	3,217	2,724	2,499	2,040	985	845	
	%	%	%	%	%	%	
One	17	15	19	19	22	21	
Two	32	28	29	29	31	31	
Three	20	20	21	19	17	17	
Four	16	19	18	16	15	12	
Five	7	8	6	7	8	7	
Six or more	4	4	5	6	5	5	
No Answer/							
Multiple responses	3	6	2	5	3	6	
	100	100	100	100	100	100	

^ This question was added to the survey in 2012.

#### **RATING BART ON SPECIFIC ATTRIBUTES**

22. Please help BART improve service by rating each of the following attributes. "7" (excellent) is the highest rating, and "1" (poor) is the lowest rating. You can use any number in between. Only skip attributes that do not apply to you.

POOR					EXCE	LLENT
1	2	3	4	5	6	7

NOTE: "7" is the highest rating a respondent can give and "1" is the lowest. Blank and "don't know" responses were eliminated when calculating the arithmetic mean.

#### **RATING BART ON SPECIFIC ATTRIBUTES (continued)**

Base (All Respondents)	2010	— Total —		1 Dv/	· /-	
Base (All Respondents)		2012	2014		-	014) —— Weekend
	5,804	6,700	5,609	2,724	2,040	845
OVERALL RATINGS	#	#	#	#	#	#
Availability of maps/schedules .	5.77	5.79	5.71	5.73	5.69	5.67
On-time performance of trains	5.56	5.72	5.46	5.40	5.50	5.58
Timeliness of connections between BART trains	5.39	5.46	5.36	5.31	5.41	5.39
oart.gov website	5.50	5.44	5.30	5.27	5.31	5.35
imely information about service disruptions	5.35	5.37	5.26	5.19	5.31	5.37
Access for people with disabilit	ies5.29	5.30	5.13	5.07	5.17	5.25
requency of train service	5.14	5.24	5.11	5.10	5.14	5.08
Availability of bicycle parking	5.01	5.05	5.01	4.96	4.99	5.15
lours of operation	5.04	5.08	4.98	5.06	4.93	4.83
ighting in parking lots	5.02	5.05	4.94	4.90	4.95	5.08
Fimeliness of connections with buses	4.89	4.93	4.85	4.86	4.81	4.91
Personal security in BART system	m4.68	4.64	4.49	4.44	4.52	4.61
inforcement against fare evasi	on4.71	4.65	4.47	4.32	4.55	4.74
Availability of car parking	4.71	4.68	4.41	4.36	4.30	4.81
eadership in solving regional transportation problems	4.72	4.85	4.35	4.21	4.41	4.65
nforcement of no eating and drinking policy	4.22	4.22	4.05	3.96	4.07	4.29

#### **RATING BART ON SPECIFIC ATTRIBUTES (continued)**

		—Mean Ra	tings (7-poi	nt scale)—			Mean Score
-	2040	— Total —	2014	-	-	014)	Change
	2010	2012	2014	Peak	Off-Peak	Weekend	2014-2012
Base (All Respondents)	5,804	6,700	5,609	2,724	2,040	845	
BART STATION RATINGS	#	#		#	#	#	#
Clipper Cards	°	5.69	5.80	5.81	5.80	5.78	0.11
BART tickets	0	5.54	5.50	5.49	5.50	5.55	-0.04
Reliability of ticket vending machines	5.31	5.30	5.17	5.11	5.21	5.29	-0.13
Reliability of faregates	5.30	5.22	5.12	5.01	5.20	5.28	-0.1
Signs with transfer / platform / exit directions	5.18	5.19	5.06	5.05	5.03	5.15	-0.13
Length of lines at exit gates	5.25	5.17	5.04	4.90	5.12	5.28	-0.13
Helpfulness and courtesy of Static Agents <sup>^</sup>		4.94	4.79	4.72	4.85	4.90	-0.15
Stations kept free of graffiti	5.03	5.01	4.76	4.72	4.80	4.83	-0.25
Availability of Station Agents	4.86	4.86	4.73	4.71	4.75	4.78	-0.13
Elevator availability/reliability	4.76	4.66	4.58	4.49	4.60	4.82	-0.08
Escalator availability/reliability	4.82	4.60	4.58	4.43	4.66	4.88	-0.02
Overall condition/state of repair	4.86	4.81	4.57	4.49	4.59	4.78	-0.24
Appearance of landscaping	4.62	4.60	4.42	4.30	4.50	4.60	-0.18
Presence of BART Police in stations	4.40	4.32	4.19	4.10	4.24	4.36	-0.13
Station cleanliness	4.58	4.46	4.11	4.03	4.13	4.32	-0.35
Presence of BART Police in parking lots	4.10	4.08	3.95	3.81	4.02	4.23	-0.13
Elevator cleanliness	4.39	4.21	3.88	3.81	3.86	4.16	-0.33
Restroom cleanliness	3.78	3.71	3.52	3.47	3.50	3.72	-0.19

° Choice not offered on that year's survey.

^In prior years, this attribute was more broad, phrased as "Helpfulness and courtesy of BART Personnel"

#### **RATING BART ON SPECIFIC ATTRIBUTES (continued)**

	— Mean Ra — <b>Total</b> —	itings (7-poi			014)	Mean Score Change
2010	2012	2014			Weekend	2014-2012
Base (All Respondents) 5,804	6,700	5,609	2,724	2,040	845	
<b>BART TRAIN RATINGS</b> # Train interior kept free of graffiti5.23	# 5.29	# 5.17	# 5.09	# 5.24	# 5.28	# -0.12
Comfort of seats on trains4.91	5.03	4.84	4.73	4.90	5.10	-0.19
Availability of standing room on trains4.94	4.86	4.61	4.41	4.74	5.00	-0.25
Appearance of train exterior4.75	4.71	4.59	4.48	4.65	4.79	-0.12
Comfortable temperature aboard trains4.75	4.74	4.41	4.23	4.48	4.83	-0.33
Condition / cleanliness of windows on trains4.51	4.52	4.32	4.20	4.38	4.56	-0.2
Train interior cleanliness4.41	4.49	4.28	4.17	4.29	4.63	-0.21
Clarity of public address announcements4.32	4.39	4.21	4.15	4.26	4.29	-0.18
Availability of seats on trains4.69	4.57	4.18	3.91	4.33	4.69	-0.39
Noise level on trains4.08	4.27	4.08	3.98	4.13	4.27	-0.19
Condition/cleanliness of seats on trains4.07	4.18	4.07	3.91	4.09	4.52	-0.11
Availability of space on trains for luggage, bicycles, and strollers4.32	4.25	4.06	3.85	4.17	4.53	-0.19
Condition / cleanliness of floors on trains4.24	4.28	4.05	3.87	4.12	4.47	-0.23
Presence of BART Police on trains3.88	3.84	3.65	3.55	3.70	3.83	-0.19
			I			I

# Appendix C: TESTS OF STATISTICAL SIGNIFICANCE 2012 VS. 2014

#### TEST OF STATISTICAL SIGNIFICANCE at the 95% and 90% Confidence Levels

Г			2014	4				2012	,				Statis Signif	tically icant?
				-					-				9	
	Total	Don't	Sample		Standard	Total	Don't	Sample		Standard	Mean		At	At
	Response		Size	Mean	Deviation	Response		Size	Mean		Difference	T-Score		90%
OVERALL SATISFACTION (Scale 1-5)	5,609	33	5,576	3.90	0.98	6,700	22	6,678	4.18	0.85	-0.28	-16.72039	yes	yes
RECOMMEND TO FRIEND (Scale 1-5)	5,609	24	5,585	4.46	0.77	6,700	24	6,676	4.61	0.67	-0.15	-11.39112	yes	yes
"BART IS A GOOD VALUE" (Scale 1-5)	5,609	53	5,556	3.68	1.11	6,700	46	6654	3.86	1.04	-0.18	-9.18189	yes	yes
Attributes: SCALE: 1=Poor, 7=Excellent														<u> </u>
On-time performance of trains	5,609	160	5,449	5.46	1.23	6,700	142	6,558	5.72	1.12	-0.26	-12.00664		yes
Hours of operation	5,609	174	5,435	4.98	1.66	6,700	274	6,426	5.08	1.61	-0.1	-3.31426		yes
Frequency of train service	5,609	232	5,377	5.11	1.39	6,700	302	6,398	5.24	1.34	-0.13	-5.13879		yes
Availability of maps and schedules	5,609	294	5,315	5.71	1.27	6,700	396	6,304	5.79	1.25	-0.08	-3.40712	-	yes
Timely information about service disruptions	5,609	453	5,156	5.26	1.41	6,700	564	6136	5.37	1.36	-0.11	-4.19669	-	yes
Timeliness of connections b/t BART trains	5,609	759	4,850	5.36	1.27	6,700	1,019	5,681	5.46	1.22	-0.10	-4.10114	-	yes
Timeliness of connections w/ buses	5,609	1,849	3,760	4.85	1.47	6,700	2,100	4,600	4.93	1.47	-0.08	-2.47538	yes	yes
Availability of car parking	5,609	1,206	4,403	4.41	1.82	6,700	1,580	5,120	4.68	1.75	-0.27	-7.34725		yes
Availability of bicycle parking	5,609	2,101	3,508	5.01	1.49	6,700	2,566	4,134	5.05	1.53	-0.04	-1.15512		no
Lighting in parking lots	5,609	1,372	4,237	4.94	1.44	6,700	1,731	4969	5.05	1.41	-0.11	-3.68824		yes
Access for people with disabilities	5,609	1,912	3,697	5.13	1.51	6,700	2,348	4,352	5.30	1.42	-0.17	-5.17277	yes	yes
Enforcement against fare evasion	5,609	1,548	4,061	4.47	1.83	6,700	1,921	4,779	4.65	1.75	-0.18	-4.70201	yes	yes
Enforcement of no eating or drinking policy	5,609	1,073	4,536	4.05	1.93	6,700	1,225	5475	4.22	1.91	-0.17	-4.40778	yes	yes
Personal security in BART system	5,609	778	4,831	4.49	1.60	6,700	976	5,724	4.64	1.57	-0.15	-4.83988	yes	yes
BART.gov website	5,609	1,237	4,372	5.30	1.36	6,700	1,499	5201	5.44	1.31	-0.14	-5.10184	yes	yes
Leadership in solving transportation problems	5,609	1,486	4,123	4.35	1.75	6,700	1,946	4,754	4.85	1.52	-0.50	-14.26375	yes	yes
Length of lines at exit gates	5,609	472	5,137	5.04	1.43	6,700	522	6,178	5.17	1.39	-0.13	-4.87603	yes	yes
Reliability of ticket vending machines	5,609	700	4,909	5.17	1.42	6,700	811	5,889	5.30	1.37	-0.13	-4.81327	yes	yes
Reliability of faregates	5,609	654	4,955	5.12	1.40	6,700	740	5,960	5.22	1.35	-0.10	-3.77601	yes	yes
Clipper Cards*	5,609	974	4,635	5.80	1.29	6,700	1,466	5234	5.69	1.38	0.11	4.09128	yes	yes
BART Tickets*	5,609	1,120	4,489	5.50	1.35	6,700	1,153	5,547	5.54	1.34	-0.04	-1.48077	no	no
Escalator availability and reliability	5,609	760	4,849	4.58	1.66	6,700	918	5,782	4.60	1.72	-0.02	-0.60860	no	no
Elevator availability and reliability	5,609	1,575	4,034	4.58	1.67	6,700	1,871	4,829	4.66	1.67	-0.08	-2.24584	yes	yes
Presence of BART Police in stations	5,609	899	4,710	4.19	1.65	6,700	1,115	5,585	4.32	1.63	-0.13	-4.00475	yes	yes
Presence of BART Police in parking lots	5,609	1,323	4,286	3.95	1.77	6,700	1,577	5123	4.08	1.78	-0.13	-3.53890	yes	yes
Availability of Station Agents	5,609	786	4,823	4.73	1.60	6,700	986	5,714	4.86	1.53	-0.13	-4.23908	yes	yes
Helpfulness & Courtesy of Station Agents	5,609	867	4,742	4.79	1.71	6,700	992	5,708	4.94	1.61	-0.15	-4.58402	yes	yes
Appearance of landscaping	5,609	1,086	4,523	4.42	1.66	6,700	1,239	5,461	4.60	1.59	-0.18	-5.49717	yes	yes
Stations kept free of graffiti	5,609	931	4,678	4.76	1.63	6,700	1,072	5,628	5.01	1.52	-0.25	-7.99218	yes	yes
Station cleanliness	5,609	651	4,958	4.11	1.75	6,700	828	5872	4.46	1.64	-0.35	-10.67129	yes	yes
Restroom cleanliness	5,609	1,529	4,080	3.52	1.86	6,700	1,863	4,837	3.71	1.83	-0.19	-4.84119	yes	yes

			201	4				2012	2					tically icant?
(continued from prior page)	Total Response		Sample Size	Mean	Standard Deviation	Total Response		Sample Size	Mean	Standard Deviation	Mean Difference	T-Score	At 95%	At 90%
Elevator cleanliness	5,609	1,649	3,960	3.88	1.87	6,700	2,099	4,601	4.21	1.80	-0.33	-8.28307	yes	yes
Signs with transfer / platform / exit directions	5,609	1,005	4,604	5.06	1.50	6,700	1,110	5,590	5.19	1.43	-0.13	-4.44716	yes	yes
Stations - Overall condition / state of repair	5,609	727	4,882	4.57	1.49	6,700	855	5,845	4.81	1.40	-0.24	-8.53838	yes	yes
Availability of seats on trains	5,609	440	5,169	4.18	1.71	6,700	463	6237	4.57	1.56	-0.39	-12.61425	yes	yes
Availability of space on trains for luggage	5,609	731	4,878	4.06	1.76	6,700	841	5,859	4.25	1.66	-0.19	-5.71488	yes	yes
Availability of standing room on trains	5,609	631	4,978	4.61	1.63	6,700	693	6,007	4.86	1.48	-0.25	-8.34089	yes	yes
Comfort of seats on trains	5,609	560	5,049	4.84	1.50	6,700	678	6,022	5.03	1.43	-0.19	-6.78051	yes	yes
Condition / cleanliness of seats on train	5,609	580	5,029	4.07	1.74	6,700	635	6,065	4.18	1.77	-0.11	-3.28896	yes	yes
Comfortable temperature aboard trains	5,609	574	5,035	4.41	1.70	6,700	660	6040	4.74	1.55	-0.33	-10.58613	yes	yes
Noise level on trains	5,609	586	5,023	4.08	1.77	6,700	648	6,052	4.27	1.71	-0.19	-5.71090	yes	yes
Clarity of public address announcements	5,609	703	4,906	4.21	1.75	6,700	830	5,870	4.39	1.70	-0.18	-5.38678	yes	yes
Presence of BART Police on trains	5,609	930	4,679	3.65	1.77	6,700	1,064	5,636	3.84	1.75	-0.19	-5.45547	yes	yes
Appearance of train exterior	5,609	756	4,853	4.59	1.58	6,700	922	5,778	4.71	1.50	-0.12	-3.99156	yes	yes
Condition / cleanliness of windows on train	5,609	675	4,934	4.32	1.67	6,700	794	5,906	4.52	1.60	-0.20	-6.32867	yes	yes
Train interior kept free of graffiti	5,609	729	4,880	5.17	1.49	6,700	832	5,868	5.29	1.42	-0.12	-4.24645	yes	yes
Train interior cleanliness	5,609	654	4,955	4.28	1.68	6,700	731	5,969	4.49	1.65	-0.21	-6.55702	yes	yes
Condition/ cleanliness of floors on trains	5,609	618	4,991	4.05	1.78	6,700	697	6,003	4.28	1.76	-0.23	-6.77988	yes	yes

# Appendix D: SERVICE ATTRIBUTE RATINGS -PERCENTAGES

#### Service Attribute Ratings – Percentages

SCALE: 1=Poor, 7=Excellent	Mean #	Top Two %	Neutral %	Bottom Two %	Don't Know %
Clipper Cards	5.80	56	24	2	17
Availability of maps & schedules	5.71	61	31	2	5
BART tickets	5.50	46	31	3	20
On-time performance	5.46	54	41	2	3
Timeliness of connections between BART trains	5.36	45	39	2	14
bart.gov website	5.30	39	36	3	22
Timely information about service disruptions	5.26	45	42	4	8
Reliability of ticket vending machines	5.17	41	42	4	12
Train interior kept free of graffiti	5.17	43	38	6	13
Access for people with disabilities	5.13	30	31	4	34
Reliability of faregates	5.12	39	45	4	12
Frequency of train service	5.11	42	49	5	4
Signs w/ transfer/platform/exit directions	5.06	36	40	6	18
Length of lines at exit gates	5.04	38	49	5	8
Availability of bicycle parking	5.01	26	33	4	37
Hours of operation	4.98	45	42	10	3
Lighting in parking lots	4.94	29	42	4	24
Timeliness of connections with buses	4.85	24	39	4	33
Comfort of seats on trains	4.84	33	50	7	10
Helpfulness and courtesy of Station Agents	4.79	34	40	10	15
Stations kept free of graffiti	4.76	32	42	9	17
Availability of Station Agents	4.73	32	46	9	14
Availability of standing room on trains	4.61	29	49	11	11
Appearance of train exterior	4.59	27	50	10	13
Elevator availability & reliability	4.58	23	39	9	28
Escalator availability & reliability	4.58	28	48	11	14
Overall station condition	4.57	24	55	9	13
Personal security in the BART system	4.49	24	51	11	14
Enforcement against fare evasion	4.47	24	36	13	28
Appearance of landscaping	4.42	23	46	12	19 21
Availability of car parking	4.41 4.41	25	39	14	
Comfortable temperature aboard trains	4.41	27	49	14	10
Leadership solving reg'l trans. problems Condition/cleanliness of windows on trains	4.35	21 23	40 51	12 14	26 12
	4.32	23	51	14	12
Train interior cleanliness Clarity of P.A. announcements	4.20	22	48	14	12
Presence of BART Police in stations	4.21	18	52	17	16
Availability of seats on trains	4.19	21	52	17	8
Station cleanliness	4.18	21	50	17	12
Noise level on trains	4.08	21	50	19	10
Condition/cleanliness of seats on train	4.08	20	52	18	10
Availability of space for luggage, bicycles, strollers	4.07	20	49	18	13
Condition/cleanliness of floors on trains	4.05	20	49	19	11
Enforcement of no eating & drinking policy	4.05	20	39	20	19
Presence of BART Police in parking lots	3.95	16	43	18	24
Elevator cleanliness	3.88	15	37	18	29
Presence of BART Police on trains	3.65	13	46	24	17
Restroom cleanliness	3.52	12	36	25	27

Note: Ratings are based on a scale of 1 - 7. Top Two includes 6 or 7 ratings, Neutral includes 3, 4, or 5 ratings, and Bottom Two includes 1 or 2 ratings.

# Appendix E: DESCRIPTION OF METHODOLOGY AND RESPONSE RATE SUMMARY

# **DESCRIPTION OF METHODOLOGY**

### FIELD PROCEDURES

In total, nine interviewers worked on the 2014 study. The interviewer training session was conducted at Corey, Canapary & Galanis' (CC&G) office in San Francisco on Monday, September 15, 2014, and the field interviewing was conducted from September 16 through October 5, 2014.

Interviewers, for the most part, worked in crews of two. In addition to the interviewers, roving supervisors also worked on the project.

Interviewers boarded randomly pre-selected BART trains and distributed questionnaires to all riders on one pre-determined BART car (also randomly selected). These interviewers rode nearly the whole route of their designated line (origination/destination stations were generally Balboa Park, Castro Valley, Concord, El Cerrito Plaza, South Hayward, San Francisco International Airport, and Millbrae), continually collecting completed surveys and distributing surveys to new riders entering their car.

The questionnaires were available in English, Spanish, Chinese, Vietnamese, and Korean. Interviewers carried signs on the back of their clipboards that said in the respective languages: "I have surveys in English, Spanish, Chinese, Vietnamese, and Korean." In 2014, 111 non-English language surveys were completed, representing 2.0% of total surveys.

Tallies were kept for questionnaires taken home with riders to be mailed back and for all nonresponses (refusals, language barrier, children under 13, sleeping, and left train). The definitions for non-responses are:

- Language Barrier Non-response because a questionnaire is not available in a language understood by the rider.
- Left Train The surveyor was unable to offer a questionnaire to a rider because of the short distance of that rider's trip.
- Children under 13 Children under 13 are not eligible for the survey.
- *Sleeping* Sleeping riders are not offered a questionnaire.
- *Refusals* Riders unwilling to accept/fill out the survey.

All surveys collected during a run were collated together into batches. During this process, coding of answers was completed and surveys were individually examined to verify completeness and age of the respondent. Incomplete surveys and surveys from respondents under 13 years of age were removed. Data from the surveys were then input into a database.

Following inputting, randomly selected batches were pulled and reviewed for quality assurance. All of the surveys in the selected batches were compared to the data input for all questions to verify the accuracy of editors, coders, and data entry staff. A total of 564 surveys were reviewed in this manner (10% of all surveys). All surveys (100%) were checked for data input on the key questions only (questions 12, 13, and 14).

### **DESCRIPTION OF METHODOLOGY (continued)**

#### SAMPLING

Sampling was achieved by selecting BART train trips that most closely resembled trains selected for the 2012 study. The resulting sample of BART trains fell within three strata: peak, off-peak and weekend. Peak is defined as weekday trains dispatched between 5:30 am - 8:30 am and 3:30 pm - 6:30 pm. Off-peak includes trains dispatched all other weekday times. Weekend includes all trains dispatched on Saturday or Sunday.

Once all train selections were made, each trip (train run) was matched with an appropriate return trip on the same line. (For the few cases where a return trip was not available, it was treated as a one-way trip, and no return trip was assigned.) For each trip, one train car was randomly selected for interviewers to board. Interviewers attempted to survey all car riders through the destination station. This random car selection process resulted in a slight bias towards shorter trains. Riders on shorter trains had a higher likelihood of being selected than those on longer trains. In previous years, analysis has been performed on this issue and has demonstrated that this bias has no material effect on the results. The number of outgoing and returning trips totaled: Peak – 38 trips, Off-Peak – 58 trips, Weekend - 44 trips.<sup>4</sup>

<sup>&</sup>lt;sup>4</sup> Although 43 weekend train runs were scheduled, 44 weekend runs were completed due to interviewer logistics. (A team of two was separated and surveyed two consecutive train runs.)

### **DESCRIPTION OF METHODOLOGY (continued)**

#### WEIGHTING

The data were weighted by ridership segment to proportionately represent BART riders. The weighted ridership segments are defined identically to the sampling ridership segments except that weekend is broken into Saturday and Sunday. The resulting ridership segments are as follows: weekday peak, weekday off-peak, Saturday, and Sunday. The following chart shows the actual number of interviews by ridership segment and the number of interviews weighted to represent the proportional amount of riders in each. It also shows the number of riders the weighting is based on, as well as the percentage of riders these numbers represent (weighted %).

	Weekday Peak	Weekday Off-peak	Saturday	Sunday	Weekly Total
Interviews completed	1933	2161	776	739	5,609
Interviews weighted by strata	2724	2040	475	370	5,609
Estimated # of BART trips*	1,231,902	922,191	214,982	167,111	2,536,186
Weighted %	48.6%	36.4%	8.5%	6.6%	100%

\* Estimated number of BART trips taken from ridership averages for the week of September 20 –September 26, 2014. Weekday numbers include five weekdays.

#### ROUNDING

Beginning with the 2012 study, percentages have been rounded up or down using seven places after the decimal point. For example, a percentage of 16.4555261% is rounded to 16%. In 2010 and prior years, percentages were rounded to a tenth of a percent first, prior to rounding to a whole percentage. For example, a percentage of 16.4555261% would have been rounded to 17%.For the most part, this change has only been made for the 2012 and 2014 data shown in this report.<sup>5</sup>

<sup>&</sup>lt;sup>5</sup> Data for the three key tracking questions for 2010 were reviewed and adjusted as needed based on the revised rounding protocol.

Children under 13       101       6       35       66         Language barrier       40       10       15       11         Skeeping       268       125       87       55         Refused       3,228       980       1,330       911         Already Participated       181       66       57       53         Partials (not processed)       369       137       129       100         Qst. distributed and not returned       561       193       235       133         TOTAL NON-RESPONSE <u>5.410</u> <u>1.952</u> <u>1.978</u> <u>1.468</u> Completes collected       5.409       1.855       2.079       1.474         Completes collected       5.409       1.855       2.079       1.474         Completes collected       5.409       1.835       4.139       2.99         Cotal completes of Role Dack       200       78       82       440         PASSENGERS ON SAMPLED CARS       11.019       3.885       4.139       2.99         Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (55         Contex Completed Surv	Response rate / % of Riders Who Completed Survey / Distribution Rate											
Language barrier       40       10       15       11         Sheeping       268       125       87       65         Refused       3,228       980       1,330       911         Already Participated       181       66       57       55         Partials (not processed)       369       137       129       100         Qst. distributed and not returned       561       193       235       133         TOTAL NON-RESPONSE       5.410       1.952       1.978       1.448         Completes collected       5.409       1.855       2.079       1.471         Completes mailed back       200       78       82       44         TOTAL COMPLETES       5.609       1.933       2.161       1.51         PASSENGERS ON SAMPLED CARS       7       166       75       66         Chair completes rollected       5.609       1.933       2.161       1.51         PASSENGERS ON SAMPLED CARS       11.019       3.885       4.139       2.99         Less:       Chidren Under 13       (101)       (6)       (35)       (60         Chidren Under 13       (101)       (6)       35       (268)       (125)       (87)<		Total	Peak	Off-Peak	Weekend							
Shepping         268         125         87         56           Left train^         662         435         90         13           Refused         3,228         980         1,330         911           Already Participated         181         66         57         53           Partials (not processed)         369         137         129         100           Qst. distributed and not returned         561         193         235         133           TOTAL NON-RESPONSE         5.410         1.952         1.978         1.448           Completes collected         5.409         1.855         2.079         1.477           Completes collected         2.00         78         82         44           TOTAL COMPLETES         5.609         1.933         2.161         1.51.           PASSENGERS ON SAMPLED CARS         11.019         3.885         4.139         2.99.           Response Rate & % of Riders Who Completed Survey         11.019         3.885         4.139         2.99.           Chidrenge Barrier         (101)         (6)         35         (60         125         (87)         (56)           POTENTIAL RESPONDENTS         10.610         3.744	Children under 13	101	6	35	60							
Left train         662         435         90         13           Refused         3,228         980         1,330         911           Already Participated         181         66         57         533           Partials (not processed)         369         137         129         100           Qst. distributed and not returned         561         193         235         137           TOTAL NON-RESPONSE         5.410         1.952         1.978         1.488           Completes collected         5.409         1.855         2.079         1.477           Completes mailed back         200         78         82         44           TOTAL COMPLETES         5.609         1.933         2.161         1.51           PASSENGERS ON SAMPLED CARS         11.019         3.885         4.139         2.99           Response Rate & % of Riders Who Completed Survey         11.019         3.885         4.139         2.99           Less:         10.010         (6)         (35)         (60           Language Barrier         (40)         (10)         (15)         (56           POTENTAL RESPONDENTS         10.610         3.744         4.002         2.86	Language barrier	40	10	15	15							
Refused       3,228       980       1,330       911         Already Participated       181       66       57       55         Partials (not processed)       369       137       129       100         Qic. distributed and not returned       561       193       235       133         TOTAL NON-RESPONSE       5.410       1.952       1.978       1.440         Completes collected       5,409       1.855       2,079       1.471         Completes mailed back       200       78       82       44         TOTAL COMPLETES       5.600       1.933       2.161       1.51         PASSENGERS ON SAMPLED CARS       11.019       3.885       4.139       2.99         Response Rate & % of Riders Who Completed Survey       PASSENGERS ON SAMPLED CARS       11.019       3.885       4.139       2.99         Less:       11.019       3.885       4.139       2.99       100       10       10       105         Children Under 13       (101)       (6)       (35)       (60       1.933       2.161       1.51         Response Rate <sup>1</sup> 52.9%       51.6%       54.0%       52.9%       51.6%       54.0%       52.9%       51.6%       54.	Sleeping	268	125	87	56							
Already Participated       181       66       57       53         Partials (not processed)       369       137       129       100         Qst. distributed and not returned       561       193       235       133         TOTAL NON-RESPONSE       5.410       1.952       1.973       1.480         Completes collected       5.400       1.855       2.079       1.471         Completes mailed back       200       78       82       44         TOTAL COMPLETES       5.609       1.933       2.161       1.51         PASSENGERS ON SAMPLED CARS       (rotal completes + Total Non-response)       11.019       3.885       4.139       2.99         Response Rate & % of Riders Who Completed Survey          2.99         Less:       Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15       (87)       (56         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.86       (125)       (87)       (56         POTENTIAL RESPONDENTS       5.609       1.933       2.161       1.51       (15)       (15)       (15)       (15)	Left train^	662	435	90	137							
Partials (not processed)       369       137       129       100         Qst. distributed and not returned       561       193       235       137         TOTAL NON-RESPONSE       5.410       1.952       1.978       1.498         Completes collected       5,409       1.855       2,079       1,477         Completes mailed back       200       78       82       44         TOTAL COMPLETES       5.609       1.933       2.161       1.51.         PASSENGERS ON SAMPLED CARS       11.019       3.885       4.139       2.99.         Ictal completes + Total Non-response)       11.019       3.885       4.139       2.99.         Less:       Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15       (15         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.86         TOTAL COMPLETES       5,609       1,933       2,161       1,51.         Response Rate 1       52.9%       51.6%       54.0%       52.9%         OTAL COMPLETES       5,609       1,933       2,161       1,51.         Response Rate 1       52.9%       5	Refused	3,228	980	1,330	918							
Qst. distributed and not returned         561         193         235         133           TOTAL NON-RESPONSE         5.410         1.952         1.978         1.480           Completes collected         5,409         1,855         2,079         1,471           Completes malled back         200         78         82         44           TOTAL COMPLETES         5.609         1.933         2.161         1.514           PASSENGERS ON SAMPLED CARS         11.012         3.885         4.139         2.994           Response Rate & % of Riders Who Completed Survey          2.994         2.885         4.139         2.994           Less:         11.019         3.885         4.139         2.994         2.885         1.139         2.994           Children Under 13         (101)         (6)         (35)         (600         1.933         2.161         1.51           Children Under 13         (101)         (6)         (35)         (600         1.933         2.161         1.51           Response Rate 1         52.9%         51.6%         54.0%         52.9%         50.6%         1.933         2.161         1.51           Response Rate 1         52.9%         51.6%         54	Already Participated	181	66	57	58							
TOTAL NON-RESPONSE         5.410         1.952         1.978         1.48           Completes collected         5,409         1,855         2,079         1.47           Completes mailed back         200         78         82         44           TOTAL COMPLETES         5.609         1.933         2.161         1.51           PASSENGERS ON SAMPLED CARS         (Total completes + Total Non-response)         11.019         3.885         4.139         2.99           Response Rate & % of Riders Who Completed Survey          3.885         4.139         2.99           PASSENGERS ON SAMPLED CARS         11.019         3.885         4.139         2.99           Less:         (Total node 13         (101)         (6)         (35)         (60           Language Barrier         (40)         (10)         (15)         (15           Steeping         (268)         (125)         (87)         (56           POTENTIAL RESPONDENTS         10.610         3.744         4.002         2.86           TOTAL COMPLETES         5.609         1.933         2.161         1.51           Response Rate <sup>1</sup> 52.9%         51.6%         54.0%         52.9%           K of Riders Who Completed Survey <sup>2</sup> <	Partials (not processed)	369	137	129	103							
Completes collected         5,409         1,855         2,079         1,477           Completes mailed back         200         78         82         44           TOTAL COMPLETES         5,609         1,933         2,161         1,514           PASSENGERS ON SAMPLED CARS         11,019         3,885         4,139         2,994           (Total completes + Total Non-response)         11,019         3,885         4,139         2,994           PASSENGERS ON SAMPLED CARS         11,019         3,885         4,139         2,994           Less:         (Total only tes + Total Non-response)         11,019         3,885         4,139         2,994           Less:         (Total 10,11)         (6)         (35)         (600         (35)         (600           Language Barrier         (40)         (10)         (15)         (15         (15)         (15)         (16)         (15)         (16)           POTENTIAL RESPONDENTS         10,610         3,744         4,002         2,866         (125)         (87)         (56           PASSENCERS ON SAMPLED CARS         11,019         3,885         4,139         2,994         (16)         (15)         (15)           IDIStribution Rate	Qst. distributed and not returned	561	193	235	133							
Completes mailed back         200         78         82         44           TOTAL COMPLETES         5.609         1.933         2.161         1.51.           PASSENGERS ON SAMPLED CARS         (fotal completes + Total Non-response)         11.019         3.885         4.139         2.99.           Response Rate & % of Riders Who Completed Survey          3.885         4.139         2.99.           PASSENGERS ON SAMPLED CARS         11,019         3.885         4.139         2.99.           Less:          10.010         (6)         (35)         (60           Children Under 13         (101)         (6)         (35)         (60           POTENTIAL RESPONDENTS         10.610         3.744         4.002         2.86           TOTAL COMPLETES         5.609         1.933         2.161         1.51.           Response Rate 1         52.9%         51.6%         54.0%         52.9%           % of Riders Who Completed Survey 2         50.9%         49.8%         52.2%         50.69           Distribution Rate          7.09%         49.8%         52.2%         50.69           ASSENGERS ON SAMPLED CARS         11.019         3.885         4.139         2.99.	TOTAL NON-RESPONSE	<u>5,410</u>	<u>1,952</u>	<u>1,978</u>	<u>1,480</u>							
Jack COMPLETES $5.609$ $1.933$ $2.161$ $1.51.$ $11.019$ $3.885$ $4.139$ $2.99.$ $11.019$ $3.885$ $4.139$ $2.99.$ $11.019$ $3.885$ $4.139$ $2.99.$ Response Rate & % of Riders Who Completed Survey         PASSENGERS ON SAMPLED CARS $11.019$ $3.885$ $4.139$ $2.99.$ Less:         Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         POTENTIAL RESPONDENTS $10.610$ $3.744$ $4.002$ $2.86$ TOTAL COMPLETES $5.609$ $1.933$ $2.161$ $1.51.$ Response Rate 1 $52.9\%$ $51.6\%$ $54.0\%$ $52.9\%$ OTAL COMPLETES $5.609$ $1.933$ $2.161$ $1.51.$ Distribution Rate         PASSENGERS ON SAMPLED CARS $11.019$ $3.885$ $4.139$ <td>Completes collected</td> <td>5,409</td> <td>1,855</td> <td>2,079</td> <td>1,475</td>	Completes collected	5,409	1,855	2,079	1,475							
PASSENGERS ON SAMPLED CARS         (Total completes + Total Non-response) $11.019$ $3.885$ $4.139$ $2.99$ Response Rate & % of Riders Who Completed Survey         PASSENGERS ON SAMPLED CARS $11.019$ $3.885$ $4.139$ $2.99$ Less:       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610 $3.744$ $4.002$ $2.86$ TOTAL COMPLETES $5,609$ $1.933$ $2.161$ $1.51$ Response Rate <sup>1</sup> $52.9\%$ $51.6\%$ $54.0\%$ $52.9\%$ N Riders Who Completed Survey <sup>2</sup> $50.9\%$ $49.8\%$ $52.2\%$ $50.69$ Distribution Rate       10.010       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Steeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610 $3.744$ $4.002$ $2.86$ Distribution Rate       10.610	Completes mailed back	200	78	82	40							
Interpretes + Total Non-response)         Interprete         4.139         2.99           Response Rate & % of Riders Who Completed Survey           4.139         2.99           PASSENGERS ON SAMPLED CARS         11,019         3,885         4,139         2.99           Less:         11,019         3,885         4,139         2.99           Children Under 13         (101)         (6)         (35)         (60           Language Barrier         (40)         (10)         (15)         (15           Sleeping         (268)         (125)         (87)         (56           POTENTIAL RESPONDENTS         10,610         3,744         4,002         2,86           TOTAL COMPLETES         5,609         1,933         2,161         1,51           Response Rate 1         52,9%         51,6%         54,0%         52,9%           N Riders Who Completed Survey 2         50,9%         49,8%         52,2%         50,69           Distribution Rate           11,019         3,885         4,139         2,99           Less:            11,019         3,885         4,139         2,99           Less: </td <td>TOTAL COMPLETES</td> <td><u>5,609</u></td> <td><u>1,933</u></td> <td><u>2,161</u></td> <td><u>1,515</u></td>	TOTAL COMPLETES	<u>5,609</u>	<u>1,933</u>	<u>2,161</u>	<u>1,515</u>							
Response Rate & % of Riders Who Completed Survey         PASSENGERS ON SAMPLED CARS       11,019       3,885       4,139       2,99         Less:       Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,86e         TOTAL COMPLETES       5,609       1,933       2,161       1,51.         Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey 2       50.9%       49.8%       52.2%       50.69         Distribution Rate       11,019       3,885       4,139       2,99.         Less:       Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,86e         Children Under 13       (268)       (125)       (87)       (56	PASSENGERS ON SAMPLED CARS											
PASSENGERS ON SAMPLED CARS $11,019$ $3,885$ $4,139$ $2,99$ Less:       (101)       (6)       (35)       (60)         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56)         POTENTIAL RESPONDENTS $10,610$ $3.744$ $4.002$ $2.86$ TOTAL COMPLETES $5,609$ $1,933$ $2,161$ $1,51$ Response Rate 1 $52.9\%$ $51.6\%$ $54.0\%$ $52.9\%$ % of Riders Who Completed Survey 2 $50.9\%$ $49.8\%$ $52.2\%$ $50.6\%$ Distribution Rate $70.9\%$ $49.8\%$ $52.2\%$ $50.6\%$ $60.6\%$ PASSENGERS ON SAMPLED CARS $11,019$ $3,885$ $4,139$ $2,99.6\%$ Less: $10.019$ $66$ $(35)$ $600$ Language Barrier $(40)$ $(10)$ $(15)$ $(15)$ Sleeping $(268)$ $(125)$ $(87)$ $(56)$ POTENTIAL RESPONDENTS $10.610$ $3.744$ $4.002$ $2.86$ Total Completes	(Total completes + Total Non-response)	<u>11,019</u>	<u>3,885</u>	<u>4,139</u>	<u>2,995</u>							
Less:       1101       (6)       (35)       (60         Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTTAL RESPONDENTS       10.610       3.744       4.002       2.860         TOTAL COMPLETES       5.609       1,933       2,161       1.51.         Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey 2       50.9%       49.8%       52.2%       50.69         Distribution Rate           50.69       1.933       2,161       1.51.         Distribution Rate            50.69       1.933       2,161       1.51.         Distribution Rate            50.69       1.933       2,161       1.51.         Distribution Rate            50.69       1.93.       2.99.         Less:          10.10       (6)       (35)	Response Rate & % of Riders Who Completed	Survey										
Children Under 13       (101)       (6)       (35)       (60)         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56)         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.86         TOTAL COMPLETES       5,609       1,933       2,161       1,51.         Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey2       50.9%       49.8%       52.2%       50.669         Distribution Rate	PASSENGERS ON SAMPLED CARS	11,019	3,885	4,139	2,995							
Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.86         TOTAL COMPLETES       5,609       1,933       2,161       1,51         Response Rate <sup>1</sup> 52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey <sup>2</sup> 50.9%       49.8%       52.2%       50.69         Distribution Rate       74.1019       3,885       4,139       2,99.9         Less:       11,019       3,885       4,139       2,99.9         Less:       10.010       (10)       (15)       (15)         Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610 <td>Less:</td> <td></td> <td></td> <td></td> <td></td>	Less:											
Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.86         TOTAL COMPLETES       5,609       1,933       2,161       1,51         Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey 2       50.9%       49.8%       52.2%       50.6%         Distribution Rate       70.101       66       (35)       (60)         PASSENGERS ON SAMPLED CARS       11,019       3,885       4,139       2,99.9%         Less:       10.610       (101)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.866         Total Completes       5,609       1,933       2,161       1,519         Qst. taken home and not returned by Oct 20       561       193       235       133	Children Under 13	(101)	(6)	(35)	(60)							
POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,86         TOTAL COMPLETES       5,609       1,933       2,161       1,51         Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey 2       50.9%       49.8%       52.2%       50.6%         Distribution Rate       70.010       3,885       4,139       2,99         Distribution Rate       70.010       6       (35)       (60)         Distribution Rate       70.010       (101)       (6)       (35)       (60)         Less:       70.010       (101)       (6)       (35)       (60)         Language Barrier       (40)       (100)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56)         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.866         Total Completes       5,609       1,933       2,161       1,514         Qst. taken home and not returned by Oct 20       561       193       235       132         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6.539       2.263	Language Barrier	(40)	(10)	(15)	(15)							
TOTAL COMPLETES $5,609$ $1,933$ $2,161$ $1,513$ Response Rate 1 $52.9\%$ $51.6\%$ $54.0\%$ $52.9\%$ $\%$ of Riders Who Completed Survey2 $50.9\%$ $49.8\%$ $52.2\%$ $50.6\%$ Distribution Rate PASSENGERS ON SAMPLED CARS $11,019$ $3,885$ $4,139$ $2,993$ Less: Children Under 13(101)(6)(35)(60)Language Barrier(40)(10)(15)(15)Sleeping(268)(125)(87)(56)POTENTIAL RESPONDENTS $10,610$ $3,744$ $4.002$ $2,866$ Total Completes $5,609$ $1,933$ $2,161$ $1,514$ Qst. taken home and not returned by Oct 20 $561$ $193$ $235$ $133$ Partials (not processed) $369$ $137$ $129$ $103$ TOTAL QST. DISTRIBUTED $6,539$ $2,263$ $2,525$ $1,755$	Sleeping	(268)	(125)	(87)	(56)							
Response Rate 1       52.9%       51.6%       54.0%       52.9%         % of Riders Who Completed Survey2       50.9%       49.8%       52.2%       50.6%         Distribution Rate PASSENGERS ON SAMPLED CARS       11,019       3,885       4,139       2,994         Less:       11,019       3,885       4,139       2,994         Less:       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,86         Total Completes       5,609       1,933       2,161       1,514         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6,539       2,263       2,525       1,754	POTENTIAL RESPONDENTS	<u>10,610</u>	<u>3,744</u>	<u>4,002</u>	<u>2,864</u>							
% of Riders Who Completed Survey <sup>2</sup> 50.9%         49.8%         52.2%         50.69           Distribution Rate PASSENGERS ON SAMPLED CARS         11,019         3,885         4,139         2,99           Less:         11,019         3,885         4,139         2,99           Children Under 13         (101)         (6)         (35)         (60           Language Barrier         (40)         (10)         (15)         (15           Sleeping         (268)         (125)         (87)         (56           POTENTIAL RESPONDENTS         10,610         3,744         4,002         2,86           Total Completes         5,609         1,933         2,161         1,51           Qst. taken home and not returned by Oct 20         561         193         235         133           Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,755	TOTAL COMPLETES	5,609	1,933	2,161	1,515							
Distribution Rate           PASSENGERS ON SAMPLED CARS         11,019         3,885         4,139         2,994           Less:         11,019         3,885         4,139         2,994           Children Under 13         (101)         (6)         (35)         (60           Language Barrier         (40)         (10)         (15)         (15           Sleeping         (268)         (125)         (87)         (56           POTENTIAL RESPONDENTS         10,610         3,744         4,002         2,866           Total Completes         5,609         1,933         2,161         1,514           Qst. taken home and not returned by Oct 20         561         193         235         133           Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,754	Response Rate <sup>1</sup>	52.9%	51.6%	54.0%	52.9%							
PASSENGERS ON SAMPLED CARS       11,019       3,885       4,139       2,99.         Less:       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,869         Total Completes       5,609       1,933       2,161       1,519         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6,539       2,263       2,525       1,755	% of Riders Who Completed Survey <sup>2</sup>	50.9%	<i>49.8%</i>	<i>52.2%</i>	50.6%							
Less:       (101)       (6)       (35)       (60)         Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56)         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,866         Total Completes       5,609       1,933       2,161       1,519         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6,539       2,263       2,525       1,755	Distribution Rate											
Children Under 13       (101)       (6)       (35)       (60         Language Barrier       (40)       (10)       (15)       (15         Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.864         Total Completes       5,609       1,933       2,161       1,519         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6.539       2.263       2.525       1.755	PASSENGERS ON SAMPLED CARS	11,019	3,885	4,139	2,995							
Language Barrier       (40)       (10)       (15)       (15)         Sleeping       (268)       (125)       (87)       (56)         POTENTIAL RESPONDENTS       10.610       3.744       4.002       2.869         Total Completes       5,609       1,933       2,161       1,519         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6.539       2.263       2.525       1.755	Less:											
Sleeping       (268)       (125)       (87)       (56         POTENTIAL RESPONDENTS       10,610       3,744       4,002       2,864         Total Completes       5,609       1,933       2,161       1,518         Qst. taken home and not returned by Oct 20       561       193       235       133         Partials (not processed)       369       137       129       103         TOTAL QST. DISTRIBUTED       6,539       2,263       2,525       1,755	Children Under 13	(101)	(6)	(35)	(60)							
POTENTIAL RESPONDENTS         10,610         3,744         4,002         2,864           Total Completes         5,609         1,933         2,161         1,515           Qst. taken home and not returned by Oct 20         561         193         235         133           Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,755	Language Barrier	(40)	(10)	(15)	(15)							
Total Completes         5,609         1,933         2,161         1,519           Qst. taken home and not returned by Oct 20         561         193         235         133           Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,755	Sleeping	(268)	(125)	(87)	(56)							
Qst. taken home and not returned by Oct 20         561         193         235         133           Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,755	POTENTIAL RESPONDENTS	<u>10,610</u>	<u>3,744</u>	<u>4,002</u>	<u>2,864</u>							
Partials (not processed)         369         137         129         103           TOTAL QST. DISTRIBUTED         6,539         2,263         2,525         1,75	Total Completes	5,609		2,161	1,515							
TOTAL QST. DISTRIBUTED <u>6,539</u> <u>2,263</u> <u>2,525</u> <u>1,75</u>	Qst. taken home and not returned by Oct 20	561	193	235	133							
	Partials (not processed)	369	137	129	103							
Distribution Rate <sup>3</sup> 61.6% 60.4% 63.1% 61.1%	TOTAL QST. DISTRIBUTED	<u>6,539</u>	<u>2,263</u>	<u>2,525</u>	<u>1,751</u>							
	Distribution Rate <sup>3</sup>	61.6%	60.4%	<i>63.1%</i>	61.1%							

#### Response rate / % of Riders Who Completed Survey / Distribution Rate

<sup>1</sup> Total Completes divided by Potential Respondents <sup>2</sup> Total Completes divided by Passengers on Sampled Cars

<sup>3</sup> Total Questionnaires Distributed divided by Potential Respondents

^Note: it is likely that the "left train" number was undercounted due to heavy crowding on some trains, particularly during peak hours. As such, the percentages shown in this table may actually be somewhat lower.

# Appendix F: CODING OF RESPONDENT COMMENTS

# **CODING OF RESPONDENT COMMENTS**

### EDITING AND CODING

This section outlines editing and coding procedures utilized on the 2014 BART Customer Satisfaction Study. For the most part, information as provided by the respondent on the self-administered questionnaire was entered as recorded.

Editing procedures, where disparities occurred, were as follows:

#### **Scaling Questions**

- If multiples occurred where only one response was acceptable (e.g., both 5 and 6 circled on the Poor Excellent scale or Agree Strongly and Agree Somewhat both checked), the answer input alternated between the higher and lower responses. On the first occurrence we took the higher response, and on the next occurrence we took the lower response, etc.
- In cases where bipolar discrepancies were observed (e.g., both 1 and 7 circled) the midpoint was used. Sometimes respondents would include notes like poor in this respect and excellent in another respect for a specific attribute.

The back side of the questionnaire included a section for comments. Overall, 1,497 respondents, or 27% of all respondents, provided comments. All of these written comments were typed into a database. The comments were then split and coded using a list of "department specific" codes provided by BART. The code list and incidence for each code are listed on the following page. A total of 2,214 comments were tabulated and coded.

The verbatim comments for each code are made available to the BART departments responsible for each area. This provides them with an additional tool to understand the reasons for customer rating levels.

#### 2014 Customer Satisfaction Study **Code Sheet – Comment Code Frequencies IFREOUENCIES FOR EACH CATEGORY ARE INDICATED IN BRACKETS** Code 1 | Agent Availability [7] Code 2 | Bus/Muni/Caltrain Connections [11] Code 3 | Bicycles [72] Code 4 | General Compliments [176] Code 5 | Disability/Senior Issues [14] Code 6 | Escalators and Elevators (except cleanliness) [33] Code 7 | Extensions [27] Code 8 | Fares and Fare Policies [143] Code 9 | Graffiti [2] Code 10 | Overall Train/Track Maintenance/Conditions [29] Code 11 | Lighting [2] Code 12 | Other SPECIFIC Comments [4] Code 13 | Announcements and PA (Public Address) Issues [43] Code 14 | Personnel (Except Police) [51]

Code 15 | Parking [84]

- Code 16 | Police/Enforcement (except bikes)/Security [131]
- Code 17 | Overall Station Conditions/State of Repair [5]
- Code 18 | Station Cleanliness (Except Graffiti) [131]
- Code 19 | Service Type, Amount, etc. [341]
- Code 20 | Signage, Maps, and Printed Schedules [56]
- Code 21 | Seats on Trains/Crowding [160]
- Code 22 | Comments About Surveys/Research [14]
- Code 23 | Train Cleanliness [140]
- Code 24 | Temperature [74]
- Code 25 | Fare Collection General [1]
- Code 26 | Fare Collection Equipment [16]
- Code 27 | Refunds [3]
- Code 28 | Tickets [5]
- Code 29 | Windows/Etching [3]
- Code 30 | Clipper/TransLink [10]
- Code 31 | Need for More Restrooms/Open Restrooms [24]
- Code 32 | Overall Car Condition [56]
- Code 33 | New Vinyl Seats [46]
- Code 40 | Other [60]
- Code 41 | Homeless/Panhandling [59]
- Code 42 | BART Strike [41]

- Code 43 | Transfers/Entry and Exit Lines [15]
- Code 51 | Reliability/Delays/Delay Information [50]
- Code 52 | Train Noise [56]
- Code 53 | Computer/Internet/Wi-Fi/Website [14]
- Code 54 | Oscar Grant/Shootings [5]

# Appendix G: QUADRANT CHARTS BY RIDERSHIP SEGMENT

### QUADRANT CHARTS BY RIDERSHIP SEGMENT

The chart titled "2014 Quadrant Chart" (See "Detailed Results") is designed to help set priorities for future initiatives to improve customer satisfaction. It identifies those specific service attributes that are most important to BART customers on average and also shows which service attributes rate lowest. The "Target Issues" quadrant (top left) displays the most important service attributes in need of attention.

Values along the horizontal axis are average ratings. Customers marked their ratings on a scale of 1 = poor and 7 = excellent, so higher ratings on the right side of the Quadrant Chart are better scores and those on the left side are worse. The vertical axis ("Derived Importance") scale was derived by correlating each of the service attributes with customers' overall satisfaction levels. Those service attributes having strong correlations with overall satisfaction are seen as "More Important," while those with weaker correlations are seen as "Less Important."

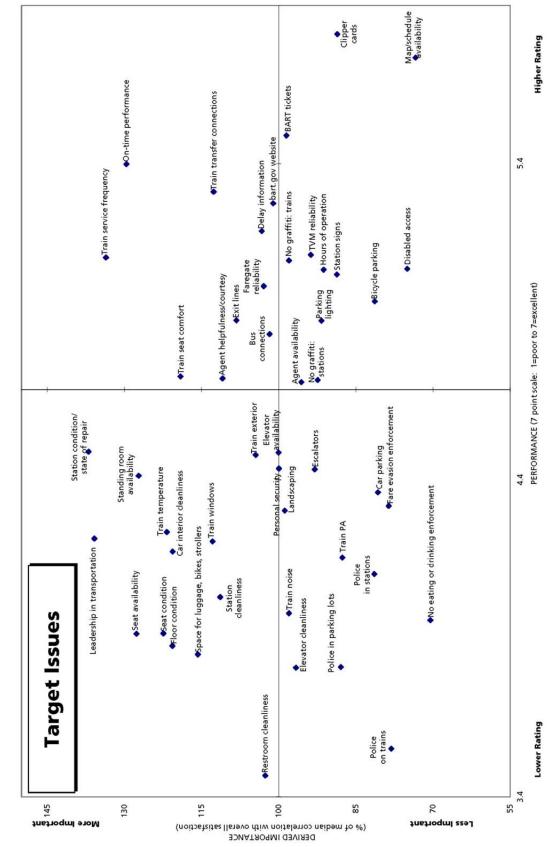
For example, customer ratings of on-time performance are very strongly correlated with overall satisfaction (i.e., customers that are happy with BART's on-time performance tend to be more satisfied overall, and conversely customers that are disappointed with on-time performance tend to be less satisfied overall). On the other hand, customer ratings of map/schedule availability have only a weak correlation with overall satisfaction (i.e., it is not uncommon for customers to rate map/schedule availability highly, even though they are dissatisfied overall with BART services). Therefore, on-time performance is located in the upper part of the chart, while map/schedule availability is located in the lower part.

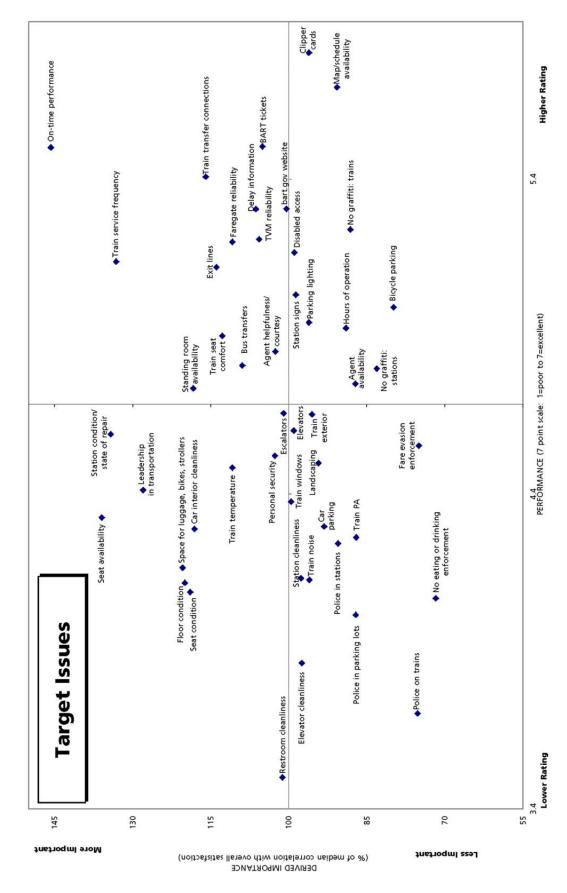
Specific values along the vertical axis are derived by calculating ratios between correlation coefficients for each service attribute and the median correlation level. Those service attributes above 100 are more correlated with overall satisfaction, while those below 100 are less so.

Note that some service attributes are seen as fairly unimportant on average because not all customers are affected by them, even though they are quite important to specific customer segments (e.g., parking availability, elevator cleanliness, restrooms, and bicycle parking).

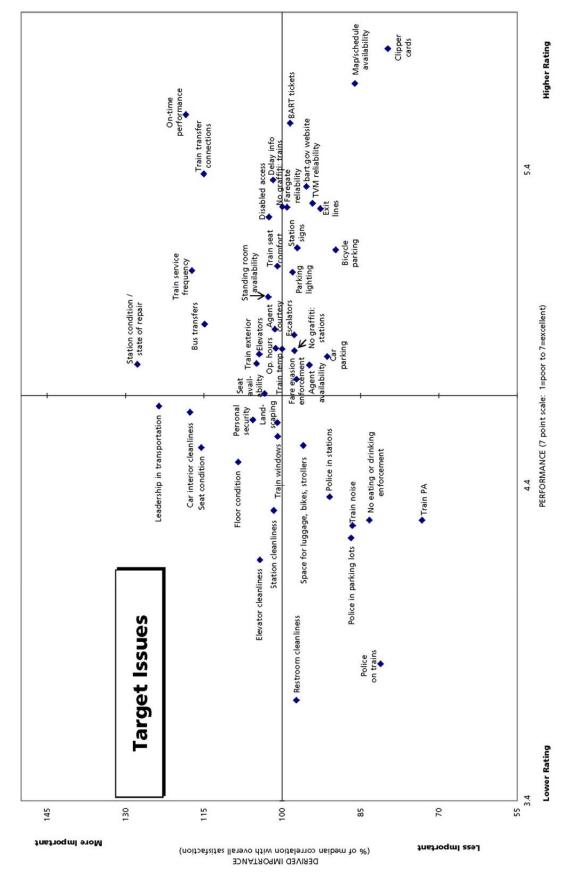
Also, note that more sophisticated statistical tests, utilizing factor and regression analyses, were done for the 1996 and 1998 Customer Satisfaction reports. This testing was not done in subsequent years as the results of the additional analyses were generally consistent with the correlation coefficient-based analysis used in the Quadrant Chart. Please refer to the 1998 Customer Satisfaction report for information on additional statistical testing done in past years.

The following pages show the Quadrant Charts for each of the three sample ridership segments: peak, off-peak, and weekend riders.





2014 Quadrant Chart (Off-Peak)



2014 Quadrant Chart (Weekend)

BART Marketing and Research Department Corey, Canapary & Galanis Research