



Purpose of Ridership Counts

- Provide a measurement relative to previous years
- Data for evaluating service changes
 - Identify trends: station, time, train, direction
- Allocate resources to address capacity issues
- Validate revenue-based ridership estimates

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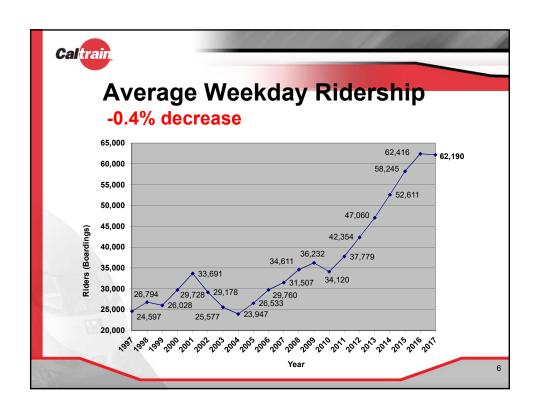
Data Collection Methodology

- Headcount on every weekday train averaged over 5 weekdays
- Headcount on every weekend train for one weekend
- Differs from monthly revenue-based average weekday ridership calculations
- Differs from ridership based on randomized samplings for National Transit Database (NTD)
- Sixth year for "bikes denied boarding" count

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Challenges

- New consultant & subconsultant team contracted to conduct, oversee & manage field surveys under Rail Operator Contract
- Later start date and end date
- More surveyors required for mixed 5 & 6 car fleet, Gallery vs. Bombardier set
- Increased project costs
- Past winter wettest year on record
- 2017 Weekday & Weekend Timetable Changes Post-Annual Count





Riders by Time Period: 2016 vs. 2017

	Feb 2016 92 Trains	Feb 2017 92 Trains	Difference	% Change
Traditional Peak	31,948	32,241	293	0.9%
Midday	7,544	7,388	-156	-2.1%
Reverse Peak	19,564	19,199	-365	-1.9%
Night	3,360	3,362	2	0.1%
TOTAL	62,416	62,190	-226	-0.4%

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2017 Station Ridership

9 stations increased weekday ridership 2016 vs. 2017

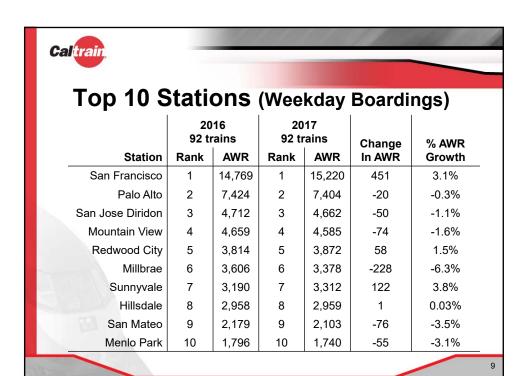
San Francisco 451 Hillsdale 1 Sunnyvale 122 South SF 30 Redwood City 58 Lawrence 5 Burlingame 6 California Ave. 41 College Park 21

19 stations decreased weekday ridership 2016 vs. 2017

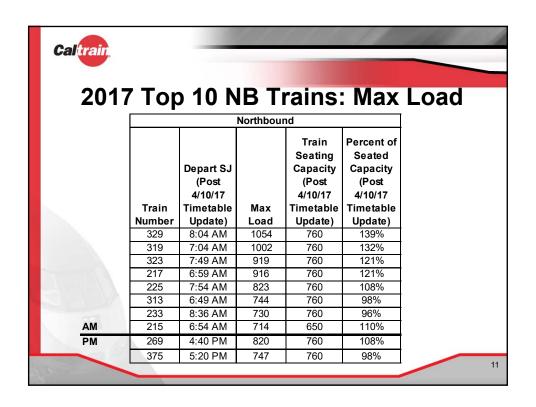
22nd Street <148> <19> San Carlos **Tamien** <19> <7> Menlo Park <55> <8> Bayshore Capitol San Bruno Palo Alto <20> Blossom Hill <18> <13> Millbrae <8> <228> San Antonio <37> San Martin San Mateo <76> Mountain View <74> Gilroy <5> Hayward Park <48> Santa Clara <71> **Belmont** <57> San Jose Diridon <50>

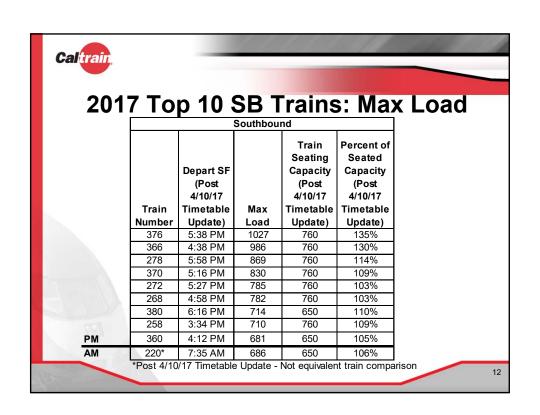
1 station no change in weekday ridership 2016 vs. 2017

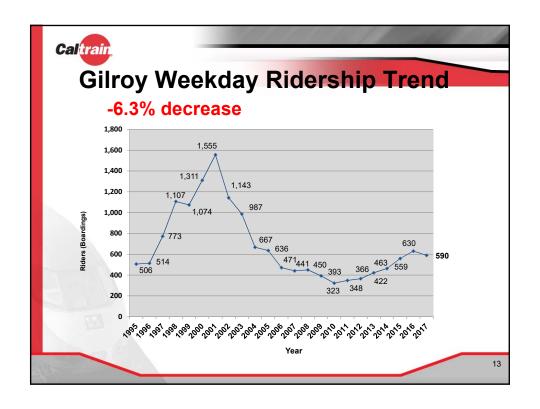
Morgan Hill 0



Caltrain **County-by-county Comparison** SF county saw increase in ridership 2016 2017 % County Change **AWR AWR** Change San Francisco 16,737 17,162 2.5% 425 San Mateo 19,160 18,630 -2.8% -530 Santa Clara 26,518 26,397 -121 -0.5% **TOTAL** 62,416 62,190 10







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Gilroy Extension Ridership*

- Gilroy extension ridership was declining prior to introduction of Baby Bullet service
 - 2001: 1,555 (highest)
 - 2005: 636 (last year of 4 round trips)
 - 2010: 323 (lowest)
 - 2014: 463 (+41 AWR)
 - 2015: 559 (+96 AWR)
 - 2016: 630 (+71 AWR)
 - 2017: 590 (-40 AWR)
- Ridership decreased -6.3% since last year
 - * Numbers represent cumulative ridership for 5 stations



2017 Riders per Train Type

Peak-period average ridership per train type

Train Type	2016	2017	Percent Change
Baby Bullet	870	1,011	16.2%
Limited	784	850	8.4%
Local	368	354	-3.8%

Growth for Baby Bullet and Limited train travel

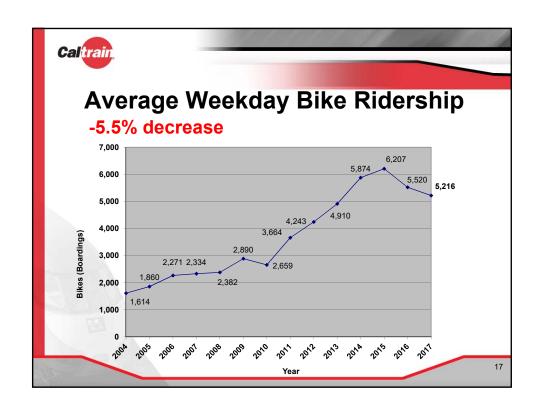
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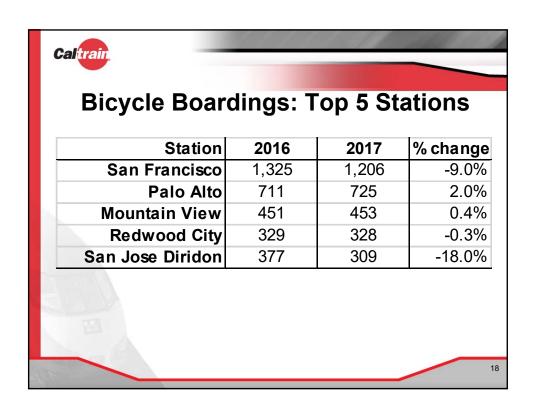


Average Trip Length

Weekday average trip length for 2017 is slightly higher than 2016

	Average Trip Length (mi)	
Train Type	2016	2017
Weekday	22.8	23.3
Baby Bullet	27.7	28.2
Peak Non-Baby Bullet	20.5	20.8
Off Peak	21.1	21.9
All Locals	20.8	21.5







Bikes: Denied Boardings

- · Sixth year counted with annual count
- 87 bikes were denied boarding from the 527 trains counted (decrease from 118 in 2016)
- First count conducted after 3rd Bike car added to 6-car Bombardier
- Carried approximately 27,369 bikes on the trains counted
- Denied boardings were observed at 11 stations
- Denials on 8 northbound trains and 4 southbound trains

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Weekend Service

	2016	2017	Numeric Difference	Percent Change
Saturday	15,003	15,612	609	4.1%
Sunday	12,631	11,274	-1,357	-10.7%
TOTAL	27,634	26,886	-748	-2.7%

Average Boardings at Weekend-only Stations

H(B)	2016	2017	Change
Broadway	157	166	5.7%
Atherton	162	154	-4.9%

Cal train

Summary

- Average Weekday Passenger Ridership stayed relatively flat
- No changes in the Top 10 Major stations
- · Bike Ridership & Bumps decreased
- Overall Weekend Passenger Ridership decreased

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Next Steps

- · Review equipment allocation of 6-car trains
- Key Findings Report and ridership data posted by Summer 2017
- Future service planning using ridership data to improve capacity prior to and during electrification construction
- Planning for future Annual Counts Methodology