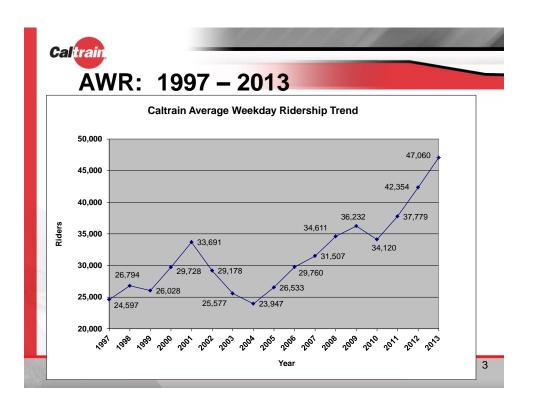
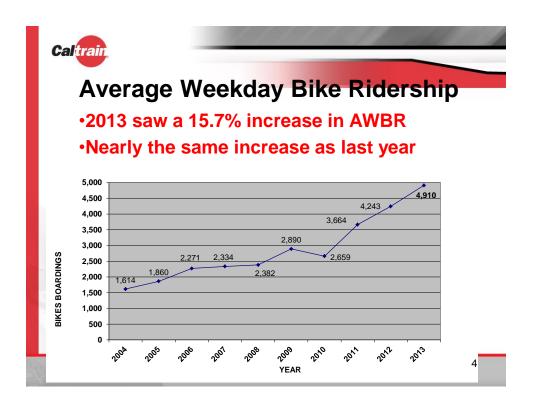


Caltrain

Overview

- Railroad operates on the concept of "system capacity"
 - Rolling stock (capacity and performance)
 - Signal system
 - Platform
 - Terminal
 - Bikes
 - Station facilities-Access







Gilroy Extension Ridership

Gilroy extension ridership was declining prior to introduction of Baby Bullet service

- 2001: 1,524 - 2005: 598

- 2009 counts: 393

2012 counts: 366 (+18 AWR)2013 counts: 422 (+57 AWR)

Ridership has increased 12.1% since last year

Ridership has increased 7.4% since 2009

Numbers represent cumulative ridership for 4 stations

F

Caltrain

2013 Maximum Loads - Top 5

Northbound							
				Percent of	High	High	
Train	Depart	Leaving	Max	Seated	Season	Season	
Number	SJ	Station	Load	Capacity	Max Load	Capacity	
329	8:03 AM	Sunnyvale	730	112%	854	131%	
323	7:45 AM	Hillsdale	678	104%	793	122%	
319	7:03 AM	Sunnyvale	670	103%	783	121%	
375	5:23 PM	Redwood City	636	98%	744	114%	
217	6:57 AM	Hillsdale	612	94%	716	110%	

Southbound								
		_		Percent of	High	High		
Train	Depart	Leaving	Max	Seated	Season	Season		
Number	SF	Station	Load	Capacity	Max Load	Capacity		
376	5:33 PM	Millbrae	780	120%	912	140%		
370	5:14 PM	Millbrae	672	103%	786	121%		
278	5:56 PM	Millbrae	649	100%	759	117%		
366	4:33 PM	Palo Alto	647	99%	757	116%		
324	8:14 AM	Hillsdale	590	91%	690	106%		



Average Trip Length

Weekday average trip length for 2013 is unchanged from 2012

Train Type	Average Trip Length (miles)
Weekday	22.8
Baby Bullet	28.2
Peak Non-Baby Bullet	20.3
Off Peak	20.6
All Locals	20.2

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Rolling Stock

- Current fleet
- Seats per 5-car consist-650
- 1720 seats removed to accommodate bikes
- Standing room

Caltrain

Options for capacity increase (lengthen trains)

- Lengthen trains
- Performance issue
 - Weight = time
- Dedicating trains to dedicated trips
- Infrastructure

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Caltrain

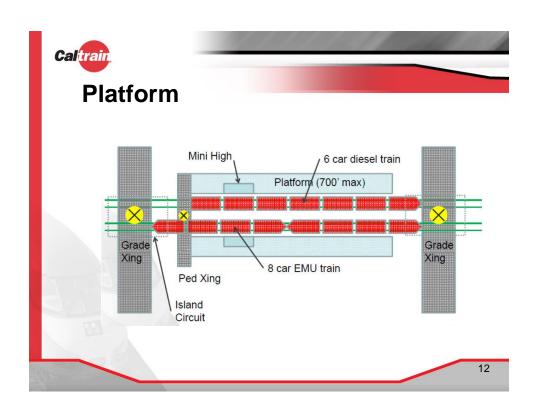
Platform

- Every platform has a different configuration
- Platform capacity determined by fixed assets
 - Road crossings
 - Pedestrian crossings
 - Minihigh platforms



Platform (continued)

- Every platform has a different configuration
- Platform capacity determined by fixed assets
 - Road crossings
 - Pedestrian crossings
 - Minihigh platforms
- 5 stations require changes (7 have limited operational flexibility)



Caltrain

Options for capacity increase (Increase service)

- Current service pattern designed to balance many competing interests
 - It does cause capacity constraints
- 2 options
 - · "blow up" the schedule
 - Find the gaps

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Caltrain

Signal system

- Fixed wayside
- Limits the number of slots that can be provided
- Practical signal system headway is anywhere between 5-8 minutes