Bikes on Caltrain Electrified Trains

BIKES ONboard project

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Outline

- History of bikes onboard Caltrain
- Bicycle bumps
- Projections for Caltrain bike ridership
- Benefits of 20% bike capacity
- Ranked priorities for electrified trains
- Summary

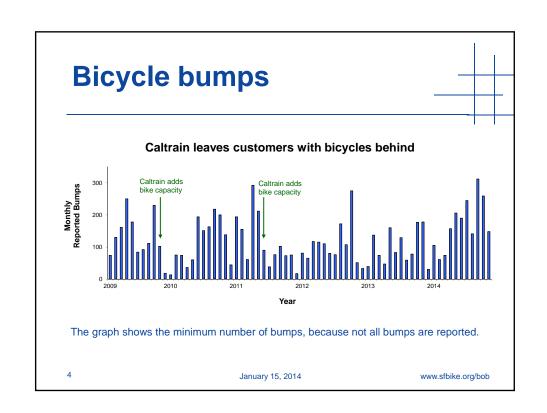
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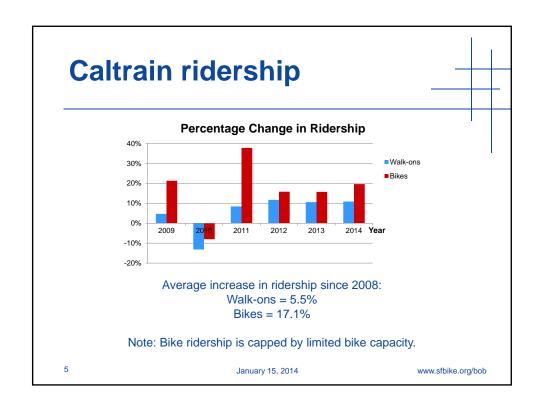
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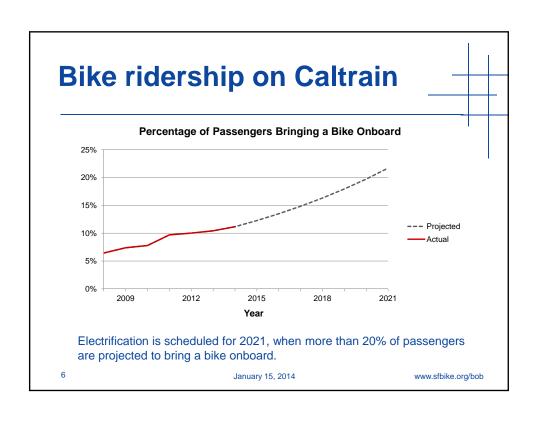
History of bikes onboard Caltrain		
Year	Bicycle Access	
1992	8 bikes allowed per train	
1996	24 bikes allowed per train	
	22 bikes allowed an gallery bike sore, but only 16 bikes	

32 bikes allowed on gallery bike cars, but only 16 bikes on new Bombardier cars; trains have either one or two bike cars
40 bikes allowed on gallery bike cars and 24 bikes allowed on Bombardier cars; all Bombardier trains upgraded to two bike cars
All gallery trains upgraded to two bike cars
All Bombardier trains to be upgraded to three bike cars

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Benefits of 20% bike capacity

Promotes mode shift from driving to biking



- · Reduces need for new parking facilities
- Reduces traffic congestion
- · Lowers fossil fuel consumption
- Reduces carbon emissions and pollution
- Improves public health
- Costs less than other station access modes



• Increases ridership and revenue



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www.sfbike.org/bob

Priorities for bikes onboard electrified trains

Rank	Item
1	Bikes are unboxed, carry-on luggage
2	Onboard bicycle capacity for 20% of passengers
3	No charge for bikes
4	Seats reserved for cyclists within sight of bikes (one seat for each bike space)
5	Consistent bicycle capacity in every car
6	Level boarding (good for wheelchairs, strollers, luggage, and bikes)
7	Two doors on both sides of each car
8	Random-access onboard bicycle storage (no bike stacking)
9	Both bike wheels on the floor (no vertical storage)
10	Easily expandable onboard bicycle capacity to meet demand, up to 35% of passengers
11	Real-time reporting of bicycle spaces available in each car
12	Convertible space for oversize trailer/stroller/cart/bike
13	Luggage racks with a suitable design to hold folding bikes

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Summary

- Caltrain's bikes onboard service has many benefits
- Bicycle bumps are an ongoing problem
- Projections show over 20% of passengers may bring a bike onboard electrified trains
- Let's design bikes into the system now!



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