

EMU Procurement Seats/Standees/Bikes/Bathroom











Exceeding Capacity Today

		Northbound	
		Percent of	Percent of
		Seated Capacity	Seated Capacity
	Depart SJ	(low season)	(high season)
	7:03 AM	135%	158%
	7:45 AM	128%	150%
	8:03 AM	127%	149%
	5:23 PM	122%	143%
	6:57 AM	122%	142%
	7:50 AM	117%	137%
A DATA DE LA CALLER	6:45 AM	108%	126%
	6:50 AM	106%	124%
	4:39 PM	106%	124%
	7:55 AM	103%	121%
	8:40 AM	102%	119%
	4:23 PM	96%	113%
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Bikes Onboard Program

- Program began in mid-1990s
- Over time, removed seats and added bike space

Time period	Bike spaces added per train (by removing seats)			
Train Type	Gallery Train	Bombardier Train		
2004	32	16		
Today	80	48		
Added Bombardiers	80	72		















urvey Highligh	ts
Description	% of Survey Participants
Average Trip Time (in train)	28% from 31 – 45 min 26% from 46 – 60 min
Seat Availability (destination trip)	64% always 17% standing up to 10 min 7% standing more than 20 min
Seat Availability (return trip)	57% always 19% standing up to 10 min 8% standing up more than 20 mir



Description% of Survey ParticipantsUse of bathroom53%How often utilized2% never23% once a year60% twice – 12 times13% multiple times per month	vey Highli prooms	ghts continued
How often utilized 2% never 23% once a year 60% twice – 12 times	Description	% of Survey Participants
23% once a year 60% twice – 12 times	Use of bathroom	53%
3% multiple times per week	How often utilized	23% once a year 60% twice – 12 times 13% multiple times per month

Survey Summary	Results
Prioritize what is most importa (weighted average from	ant to your riding experience
Seating	4.5
Standing Room / Leaning Area	3.26
Bike Storage	3.11
Bathroom	2.18
Luggage Storage	1.95



Bay A	Area S	ystem	S	
Service	Bathrooms (per train)	Bikes spaces onboard (per train)	Frequency peak hour, direction (7am - 8am)	Average Trip Length / Time
VTA	0	6-18	up to 6	5.7 miles / 23 min
Muni	0	0	up to 9	2.8 miles / N/A
BART	0	6-20	up to 9	14 miles / 24 min
Caltrain	2-5	72-80	up to 5	24 miles / 40 min
Capitol Corridor	Every car	25-32	up to 2	68 miles / 60+ min (standees rare)
ACE	Every car	22-54	up to 2	N/A (standees rare)

Notes: VTA frequency (Snell Station, NB); MUNI frequency (Judah St / 19th, N line, inbound); BART bikes (number of bikes per space not limited - bikes not allowed crowded cars); BART frequency (Embarcadero Station, yellow line SB); Caltrain bikes (with added Bombardiers cars); Caltrain standees (peak period average trip: 20-28 miles / 30-50 minutes)

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-	No. of Concession, Name	
ectric Ser	vice Ben	efits
Metric	Today	PCEP
Trains / peak hour / direction	5	6
Example Baby Bullet Tra	in	I
Retain 5-6 stops	60 minutes	45 minutes
Retain SF to SJ 60 minutes	6 stops	13 stops
Example Redwood City S	Station	
Frain stops / peak hour	3	5





Example Peak-hour Capacity

Metric (NB)	Seats	Bikes	Standees	Seats: Bikes
Today*	3,250	336	1,050	10:1
(Example riders carried)	5,330	551	1,722	
Add Bombardier Cars	3,502	384	1,170	9:1
(Example riders carried)	5,743	630	1,919	
Example EMU**	3,712	392	2,160	9:1
(Example riders carried)	6,459	682	3,758	

Notes: *Example peak hour (mix of vehicle types may vary in a given hour; average seat 650 per train) **Example EMU car capacity of ~100 seats

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Bike Advocate Group Feedback

Metric (NB, Peak Hour – Riders Carried)	Seats	Bikes	Standees	Seats: Bikes	Total Riders
Staff Recommendation Example EMU**	6,459	682	3,758	9:1 (for EMUs)	10,200
Percent difference from today*	21%	24%	118%		
Bicycle Coalition Example EMU**	6,250	877	3,758	6:1 (for EMUs)	10,000
Percent difference from today*	17%	59%	118%		









