

Train Consist Assignment

There are several considerations made when assigning a specific train set to a specific train:

- 1) Trains with the highest overall ridership are assigned Bombardier train sets.
- 2) Trains with the highest bicycle ridership are assigned Gallery train sets.
- 3) Trains that have both high overall ridership and high bicycle ridership are evaluated for the best overall fit. For example, in October 2012, train 324 was given a Gallery set to accommodate bicycle ridership even though it fit the threshold for a Bombardier set.
- 4) Trains that don't fall under either of these categories are assigned trains based on how the trains must be paired in order to allow for efficient operation and routine mechanical inspections/fueling.

Constraints for Adding a Third Bike Car on Bombardier Sets

- 1) Capacity Issues – Bombardier cars have more seats per car, on average, than Gallery cars. As indicated above, the Bombardier train sets are most often assigned to trains that have the highest overall ridership. Removing seats to add for more bicycle spaces would reduce seating capacity on those trains where overall seating is needed.
- 2) Monitoring/Oversight – Conductors have many duties onboard the train, including the overall safety of the train, verifying fares, and monitoring bicycle capacity on the train. With only two conductors per train, adding a third bicycle car without a third conductor would affect their ability to effectively monitor the third bicycle car. Adding a third conductor to those trips would be cost-prohibitive.

Bikes on Board History

Date	Bikes/ Gallery	Bike/ Bombardier	Bike Cars per train	Bikes/ Train	Trains/ Weekday	Notes
1992	4	--	1	4	25 Off-peak	Demonstration project
1993	4	--	1 or 2	4 - 8	30 Off-peak	
1994	4	--	1 or 2	4 - 8	46	Extension of bike cars to peak trains Additional bike configurations tested
1995	4	--	1 or 2	4 - 8	All trains	Bike permits no longer required
2004	32	16	1 or 2	16 - 64	All trains	Start of Baby Bullet
May 2009	32 - 40	16 - 24	1 or 2	16 - 80	All trains	Conversion of 3 Bombardier trailers to bike cars
Fall 2009	40	24	1 or 2 Gallery / 2 Bombardier	40 - 80	All trains	All bike cars with expanded capacity
June 2011	40	24	2	48 - 80	All trains	All trains equipped with 2 bike cars Conversion of 10 Gallery trailers to bike cars