

New Vehicle Procurement
Alameda County Transportation Commission
Transit Planning Committee
September 12, 2016



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Features of New Cars

- Built by Bombardier Transportation Americas
- Higher capacity: 3 doors, more and friendlier standee space
- Quieter: “micro-plug” doors seal out noise
- Cooler: cooling systems will distribute air directly to the ceilings
- Comfortable: padded seats have lumbar support/covered with wipeable fabric for ease of cleaning
- Easy to use: color-coded destination signs, automated announcements and digital screens (6 per car)
- Accessible: improved identification of priority seating and wheelchair areas, wider aisles, bicycle rack
- Sustainable: lightweight cars, regenerative braking, a white roof, and LED lighting make cars very energy efficient

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Milestones

Milestone	Actual or Forecast
Award of Contract	5/30/12
Complete Conceptual Design Phase	6/1/13
Complete Preliminary Design Phase	10/3/13
Complete Final Design Phase	9/30/14
Commence Pilot Vehicle Delivery	3/15/16
Complete Pilot Car Delivery (10 cars)	10/15/16
Mainline Testing of Train W/O Passengers	10/24/16
Mainline Revenue Service of Train with Passengers	12/20/16
Delivery of First Production Vehicle	4/29/17
Complete Delivery 260 th Vehicle	3/10/19
Complete Delivery 775 th Vehicle	11/15/21

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New Cars In Service

Cumulative Projected Number of New Cars in Service	
January – July 2017	10
August 2017	20
September 2017	30
October 2017	40
November 2017	50
December 2017	60
2018	230
2019	420
2020	610
2021	775

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Recent Accomplishments

- Qualification testing on the 1st Pilot Vehicle
- V&V of VATC software
- Received 4 cars: 2 control cars (D), 2 non-control cars (E)
- Shipped last pilot car shell to Plattsburgh, NY (10 pilot cars)
- Started manufacturing of “production” vehicles
- Completing static car qualification testing

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14th Vehicle – Draft Sill Bolster



Side Wall Brushing



13th Vehicle – Side Wall Welding

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Upcoming in 2016

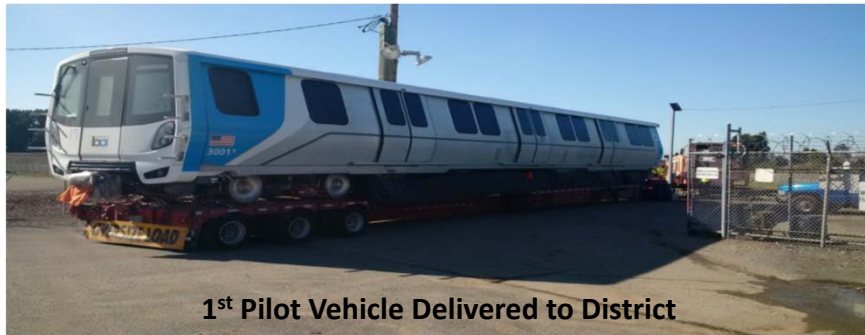
- Complete car final assembly and test, ship 6 pilot cars to Hayward test track
- Complete qualification testing
- Ship production car shells to Plattsburgh and begin production car final assembly
- **Public viewings of train tentatively scheduled for October**
- **Put 10 car train in revenue service**

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Plattsburgh Assembly Line



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1st Pilot Vehicle Delivered to District



1st Car Unloading at Hayward Test Track

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Unfinished Business: Growing BART Fleet from 775 to 1081

- Extra 306 Cars
 - Increase from 24 to 30 trains/hr. TBT (requires CBTC)
 - Avg. TBT train length increase from 9.3 to 10
 - Above represents 33% capacity increase
- Looking at cost and schedule implications of different procurement strategies
- Estimated escalated cost: \$1.62B
- Proposed Funding:

Alameda County	\$300M
Contra Costa County	\$300M
San Francisco County	\$300M
MTC	\$300M
BART	\$110M
TBD	\$172M

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