



SFMTA



LRV4 Project Update

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September 24, 2019

Status Update






- 67 vehicles delivered, 61 in revenue service
 - Deliveries continuing on schedule
 - Final vehicle arriving in October
- Preparing Mod. 6 to begin work on track brakes, seating, and lay groundwork schedule change to permit early Breda retirement
- Performance improved steadily between June and September
 - Continuing work on HPU to address reliability



90-Day Plan

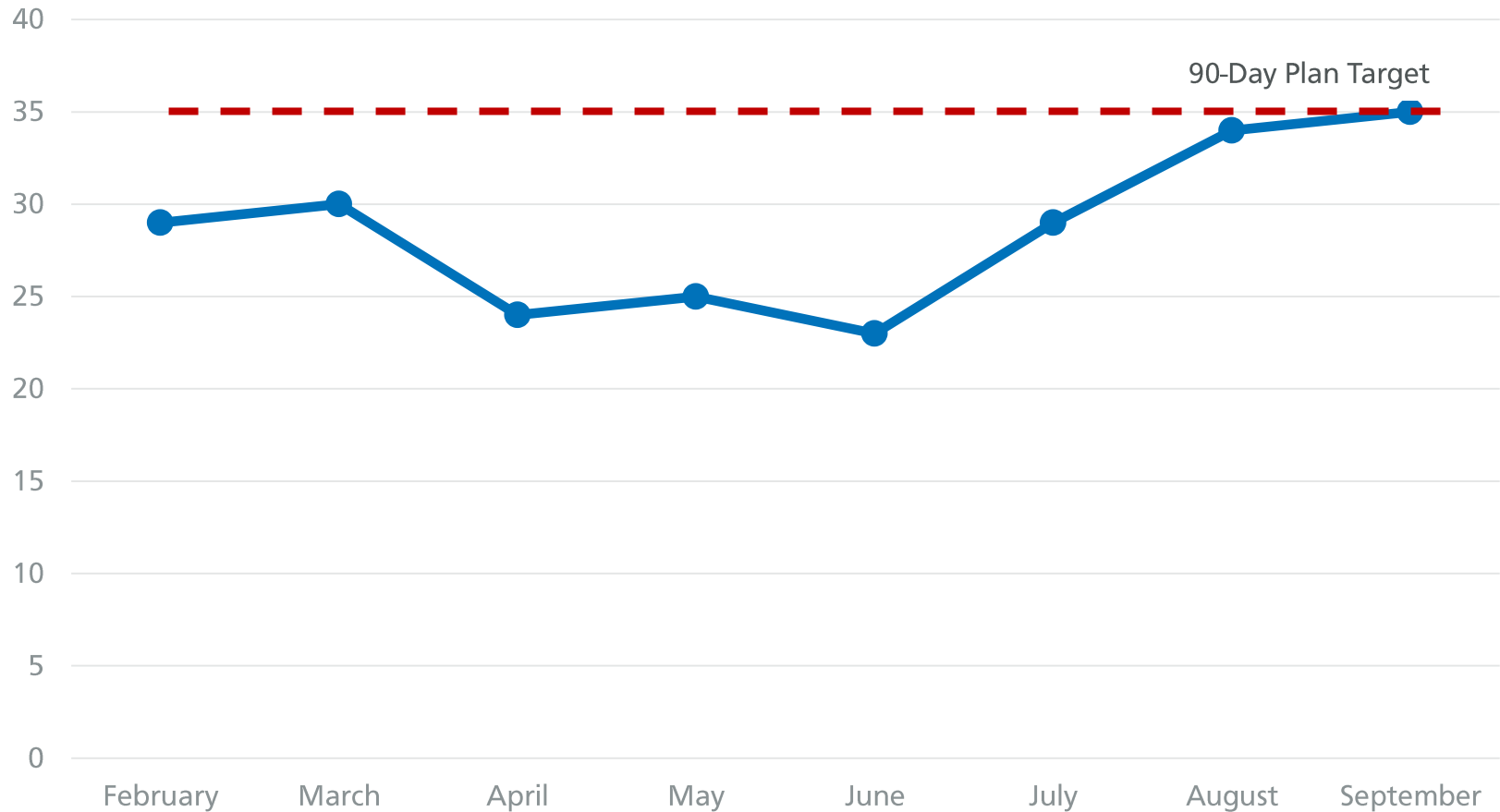
LRV4 initiatives in the current 90-Day Plan include the following targets:



Availability	Delivery	Doors	Reliability	Track Brakes
Increase vehicle availability to 35 vehicles per day	Complete delivery of the first phase of 68 vehicles	Correct issues with doors and couplers, remove all restrictions	Increase reliability to 8,000 miles MDBF or greater	Submit new design for track brakes to CPUC
 <i>Averaging 35+</i>	 <i>Arriving first week of Oct.</i>	 <i>Completed</i>	 <i>August at 7,793 miles</i>	 <i>Completed</i>

Fleet Availability

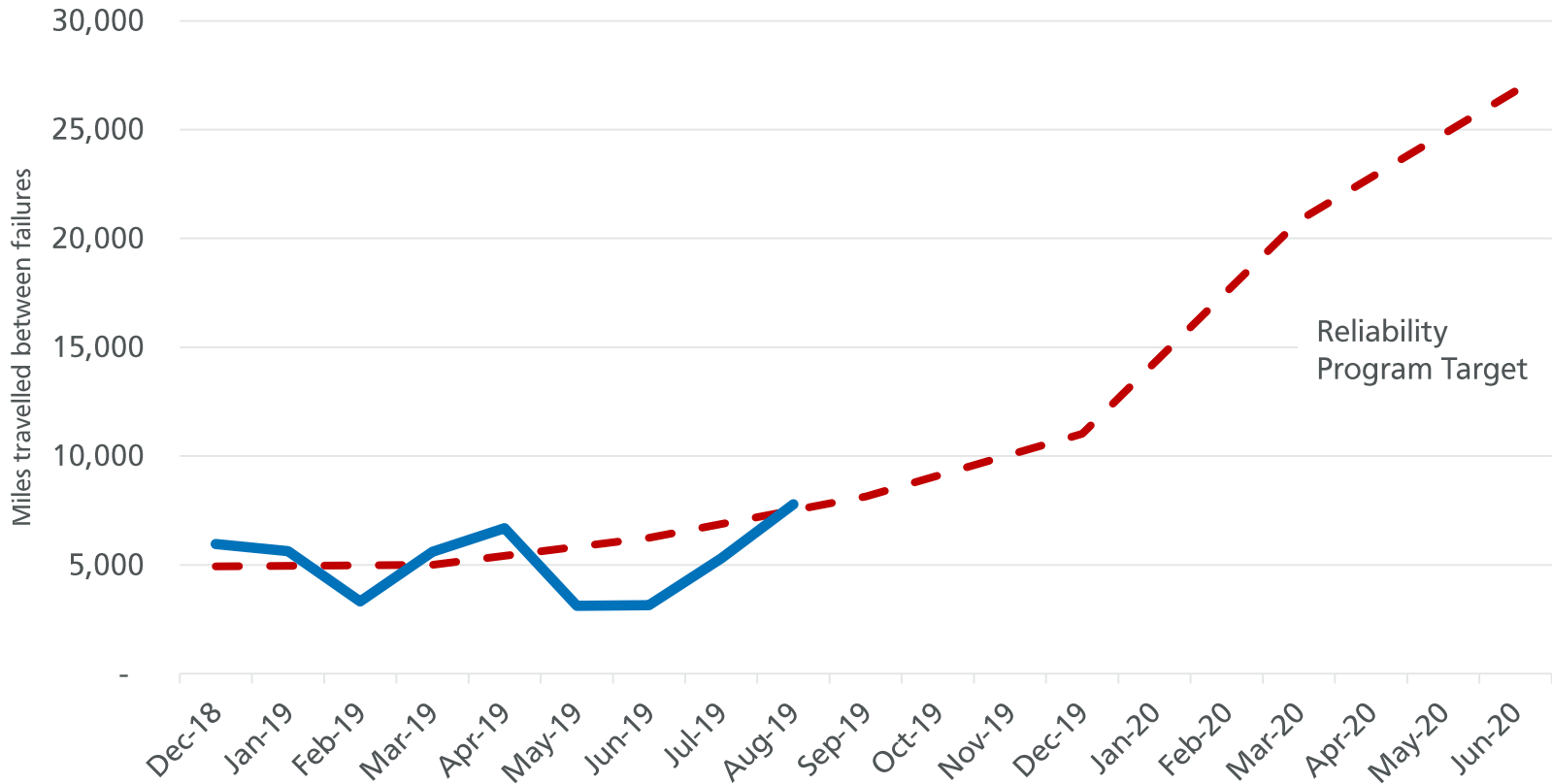
Vehicles Available for Service by Month



September figures are preliminary and subject to change

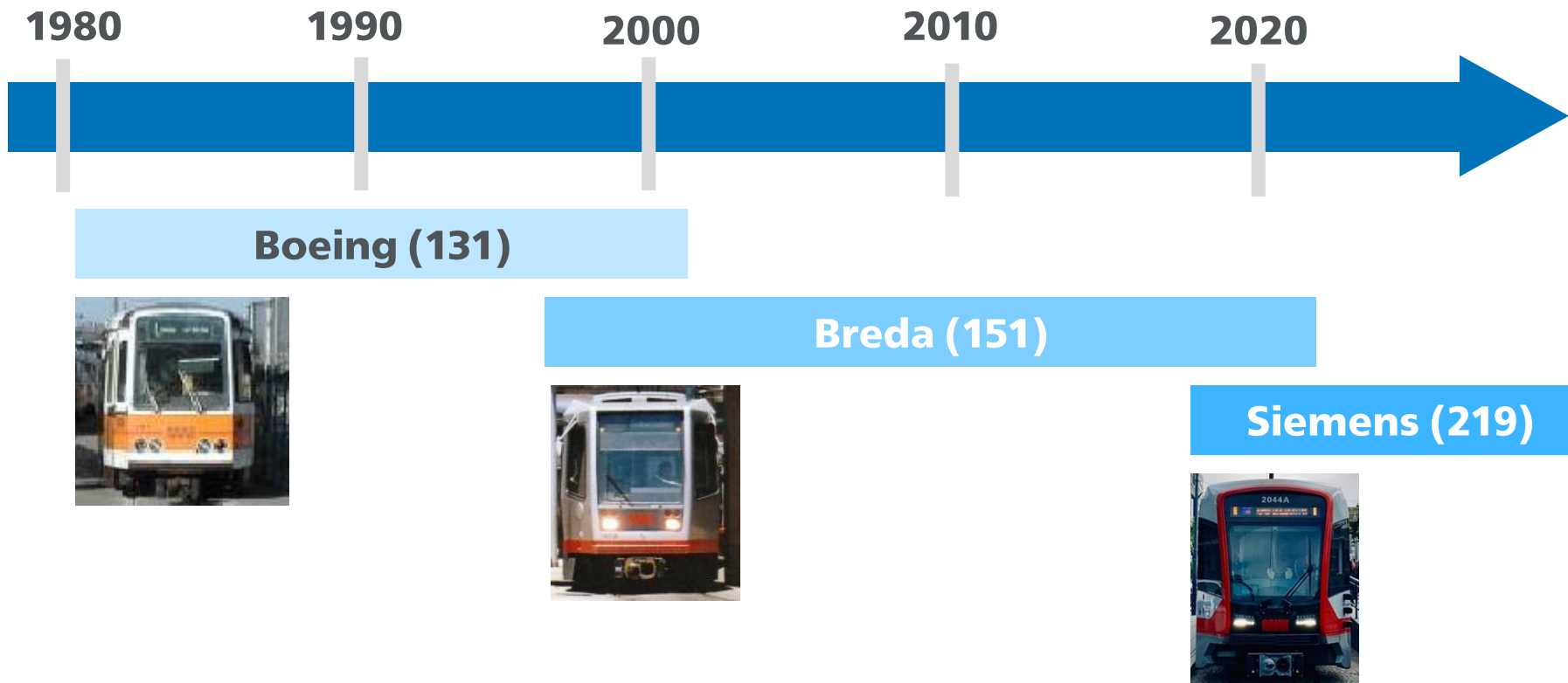
Reliability Program

Reliability



August figures are preliminary and subject to change

SFMTA Light Rail Fleet



Calendar years

Project schedule

We have the opportunity to compress delivery of vehicles to retire the Breda fleet ahead of schedule:

- Increase production rate with delivery of final LRV 14-16 months early
- Federal Transit Administration has approved early retirement of the Breda fleet

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Original														
Expansion	68													
Replacement					151									
Accelerated														
Expansion	68													
Replacement					151									

Next Steps

- Continue to resolve outstanding technical issues (e.g. HPU)
- Authorize Siemens to address priority retrofits on Phase I expansion
 - Track brakes
 - Passenger emergency stop button redesign
- Authorize long lead items for Phase II replacement
 - Seating design and engineering
 - Preliminary production acceleration activities
- Anticipate returning to SFCTA Board for full Phase II replacement funding authorization in Spring 2020