



SFMTA
Municipal Transportation Agency

Meeting the Transit Needs of our Thriving City

09 | 17 | 2013

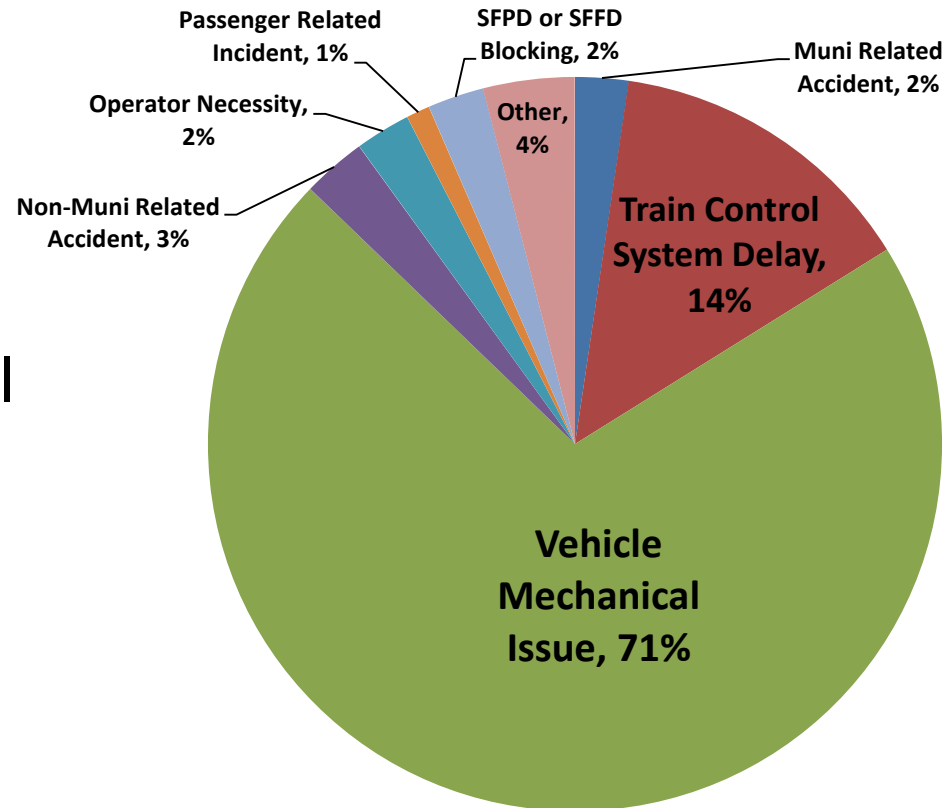
SAN FRANCISCO, CALIFORNIA





Light Rail Service Today

- On-time performance of approximately 50%
- Peak service at capacity in subway
- Delay in subway impacts all lines
- Aging fleet and infrastructure
- **Cars are the key to expanding service, reducing crowding, and improving reliability**





Light Rail Service Today

Light Rail Delays	Percentage
Muni Related Accident	2%
Train Control System Delay	14%
Vehicle Mechanical Issue	71%
Non-Muni Related Accident	3%
Operator Necessity	2%
Passenger Related Incident	1%
SFPD or SFFD Blocking	2%
Other	4%
Total	100%



Current LRV Fleet

- 15 years old
- 66 million miles (enough to circle the Earth over 2,500 times)
- 151 total cars

Scheduled Daily	114
Long Term Rehabilitation	15
Scheduled Maintenance Activities	14
Available for Special Events, Accident Damage, Training, etc.	8
Total Cars	151

- Service expansion and special events support difficult under current fleet size



New Light Rail Cars are on the way!

- New cars will serve three essential customer needs:
 - Support Central Subway
 - Support Mission Bay and growth in the southeastern part of the City
 - Support current service expansion and reduce crowding
- Up to 260 cars to meet future growth!





Operating Environment Requires Some Unique Features

- Low Floor vehicles not feasible within the existing stations and infrastructure
- Rework of infrastructure to allow more standard vehicles is not feasible
- Tight turns and steep grades
- Frequent stops
- High passenger loads and long service hours
- As a result, performance based specification selected to minimize design restrictions





Applying Lessons Learned & Best Practices to the New Light Rail Vehicle Procurement





Industry Outreach Prior to Procurement to Determine Best Way Forward

- Based on industry feedback, procurement approach is two stage – RFQ issued to all interested builders, followed by RFP issued to qualified proposers
- Process designed to ensure all bidders receiving RFP are qualified and can deliver quality cars on time
- Process designed to take a longer term approach, considering life cycle costs not low bid
- Process allows selection by best value, AFTER carbuilders are determined to be qualified
- Process maximizes competition, while ensuring quality carbuilder



The next phase will start immediately following approval from SFMTA Board

- RFP will be issued to qualified proposers
 - RFP Issue: September 2013
 - Proposals Received: November 2013
 - Clarifications: December 2013
 - BAFO/Negotiate: 1st qtr. 2014
 - Selection: 2nd qtr. 2014
- Cars start arriving in 2017!

