



Rubber Tire Mid-Life Overhaul Program



Transit Program Delivery | Fleet Engineering

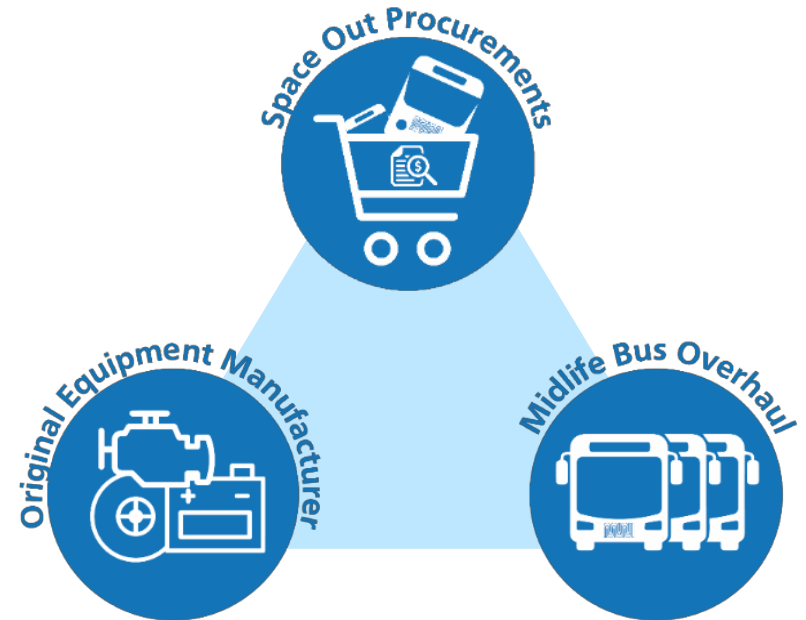
SFMTA Board of Directors

October 7, 2025

Fleet Management Plan

Guiding Principles

- Maintain consistent fleet average age
- Performance-based procurements
- Develop robust maintenance standards
- Align with City's sustainability goals
- Anticipate and accommodate growth
- Maintain a spare ratio of 20%



Maintenance – Our Primary Charge:

- Keep quality service on the streets
 - Requires both regular day-to-day maintenance as well as midlife overhauls
 - Both are required to keep the fleet in top condition
- Outstanding maintenance team is essential to Muni!



Major Fleet Transition

Between 2013-2019 the SFMTA has successfully replaced 800+ motor coach and trolley coaches



- Increased number of articulated buses to relieve crowding on high-ridership lines
- Lowered fleet age to improve reliability
- Deployed new technology and products to enhance rider experiences (i.e. air conditioning, surveillance cameras, stroller parking, ADA ccessibility, etc.)

FTA Recommendation

- FTA VA-26-7229-07.1 – Useful Life of Transit Buses and Vans
 - The Federal Transit Administration’s (FTA’s) service-life policy for transit buses and vans establishes the minimum number of years (or miles) that transit vehicles purchased with federal funds must be in service before they can be retired without financial penalty.

Table ES-1
Minimum Service-life categories for Buses and Vans

Category	Typical Characteristics				Minimum Life	
	Length	Approx. GVW	Seats	Average Cost	(Whichever comes first)	
					Years	Miles
Heavy-Duty Large Bus	35 to 48 ft and 60 ft artic.	33,000 to 40,000	27 to 40	\$325,000 to over \$600,000	12	500,000
Heavy-Duty Small Bus	30 ft	26,000 to 33,000	26 to 35	\$200,000 to \$325,000	10	350,000
Medium-Duty and Purpose-Built Bus	30 ft	16,000 to 26,000	22 to 30	\$75,000 to \$175,000	7	200,000
Light-Duty Mid-Sized Bus	25 to 35 ft	10,000 to 16,000	16 to 25	\$50,000 to \$65,000	5	150,000
Light-Duty Small Bus, Cutaways, and Modified Van	16 to 28 ft	6,000 to 14,000	10 to 22	\$30,000 to \$40,000	4	100,000

SFMTA Midlife Overhaul Program

- Mandated by TA in Grant Agreement
- Overhaul – to sustain coaches' current maintainability and serviceability to reach the end of useful life

		SR #	Type	QTY	Propulsion	Phase
Phase 1 Qty = 112	In-House	SR-1707	40ft	23	Allison	1
		SR-1709	40ft	39	BAE	1
		SR-1794	40ft	50	BAE	1
Phase 1 Qty = 203	In-Contract CCW	SR-1907	60ft	55	Allison	1
		SR-1955	60ft	6	BAE	1
		SR-1961	60ft	25	Allison	1
		SR-1962	60ft	25	BAE	1
		SR-1963	40ft	24	Allison	1
		SR-1964	40ft	24	BAE	1
		SR-2044	60ft	44	Allison	1
Phase 2 Qty = 221	RFP now	SR-2043	40ft	54	Allison	2
		SR-2116	60ft	69	Allison	2
		SR-2117	40ft	68	BAE	2
		SR-2118	40ft	30	BAE	2
Phase 3 Qty = 278	DD 2025	SR-1849	60ft	60	Trolley	3
		SR-2129	60ft	33	Trolley	3
		SR-2180	40ft	185	Trolley	3
		Total # of Coaches		814		

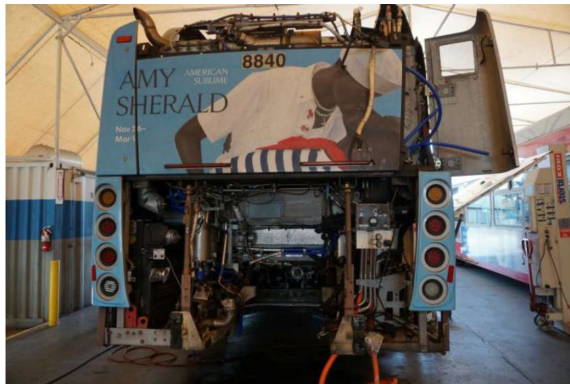
Mid-Life Overhaul Program

Scope of Work

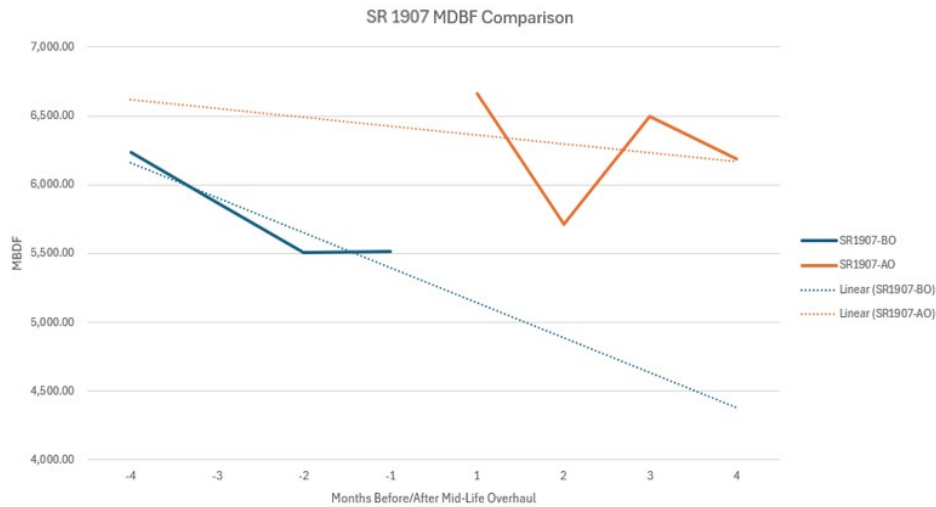
- Propulsion system
- HVAC system
- Operator area
- Suspension system
- Fluids & pneumatics lines
- Fire suppression
- Steering system
- Surveillance system
- Articulated joint
- Bike rack
- Unforeseen work
 - Chassis repairs, roof seals, leveling valves, etc.

Midlife Overhaul Phase I - Project Status

- 112 40' Hybrid coaches overhaul performed in-house (propulsion system only)
 - Started in August 2021
 - Completed in late 2023
- 203 coaches contracted out to Complete Coach Works (CCW)
 - NTP July 2022
 - 6-8 coaches completed per month
 - 85% Completed
 - Target completion by Q1 2026
- Contract PO = \$93,871,600



Midlife Overhaul Phase I - Project Status

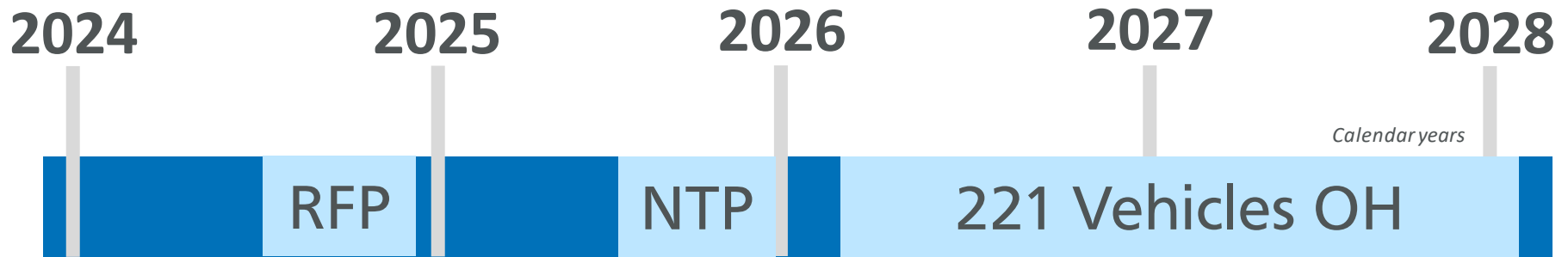


- Vehicle performances were declining at a fast rate before overhaul due to age of the fleet
- After overhauled, vehicles performances demonstrating improvements

Mid-Life Overhaul Phase 2 – Contractor Selection

- Aug 2024, issued RFP (Request for Proposals)
- Nov 2024, received one responsive proposal from Complete Coach Works (CCW)
- Reviewed proposal and negotiated with CCW
- CCW (Riverside, CA)
 - specializes in overhaul work
 - 35 years of experience
 - experiences with SFMTA since mid-2000

Mid-Life Overhaul Phase 2 - Schedule



- Notice-To-Proceed (NTP) in 4th quarter of 2025
- Requires Board of Supervisors Approval
- Estimated completion in 2028

Mid-Life Overhaul Phase 2 – Approval

Requests approval for SFMTA to enter into a Contract with CCW in the amount of \$95,443,128 to overhaul 221 coaches (152 40' & 69 60' Hybrid Electric Coaches)

Ensuring Fleet Reliability and Safety

