

Shoreline Metro
Transit Asset Management (TAM) Plan
2017 Targets

Approved by Sheboygan Transit Commission: May 16, 2017

Recommended for Approval by Sheboygan Metropolitan Planning Organization
(MPO) Technical and Policy Advisory Committees: May 25, 2017

Approved by the Bay-Lake Regional Planning Commission: June 9, 2017



INTRODUCTION

In accordance with 49 CFR Parts 625 and 630 for Transit Asset Management (TAM), Shoreline Metro is the TAM sponsor for the Section 5307 Formula Grant in the Sheboygan Urbanized Area as well as any Section 5310, 5339, Congestion Mitigation and Air Quality (CMAQ) or other Federal grants received by that entity. This document presents Shoreline Metro's methodology for its January 1, 2017, initial performance targets of capital assets.

METHODOLOGY

Shoreline Metro (with assistance of Sheboygan MPO staff with the Bay-Lake Regional Planning Commission) reviewed the inventory of federally funded vehicles, equipment and facilities and used age to ascertain a starting point for the 2017 TAM targets. Shoreline Metro's formally sponsored TAM Plan will likely include additional evaluation criteria as well as capital items not purchased with Federal funds.

Vehicles

Shoreline Metro evaluated the inventory of its vehicle capital items and divided all vehicle types into three categories: heavy duty bus; medium duty bus (cutaways); and light duty vehicles (auto, pickup truck, minivan, van, SUV, etc.). Shoreline Metro then used the Federal Transit Administration's (FTA) Useful Life Age Benchmark (ULB) set in FTA 5010.D, page IV-17, to determine if the vehicles were beyond their useful life. This guidance indicates that typical useful life of the type of heavy duty buses that Shoreline Metro operates is 12 years, that the typical useful life of medium duty buses is seven years, and that the typical useful life of light duty vehicles is four years.

The chart below shows the results of Shoreline Metro's findings:

Vehicle Type	Vehicle Count	Useful Life Age Benchmark (ULB, in years)	Vehicles Beyond ULB	Percent of Fleet Beyond ULB
Heavy Duty Bus	23	12	13	57%
Medium Duty Bus (Cutaways)	10	7	4	40%
Light Duty Vehicles (Non-Revenue/Support Vehicles)	5	4	0	0%
Total	38		17	45%

Target for Vehicles

Shoreline Metro sets the TAM performance target to allow for 61 percent of vehicles to pass beyond useful life. This target was set higher than the 45 percent listed in the above table because five additional heavy duty buses and one additional medium duty bus are expected to pass beyond their useful life in 2018. Shoreline Metro is aggressively attempting to replace its fleet through various grant programs in order to lower this performance target percentage over time.

Equipment

Shoreline Metro evaluated the inventory of its most significant equipment (items with a replacement cost of \$50,000 or more). These items include a scrubber, a hoist and a bus wash, all located at the Shoreline Metro bus garage. Shoreline Metro then used guidance from the FTA and from various reports that discuss useful life for these types of equipment to determine if these pieces of equipment were beyond their useful life. For the equipment types listed below, scrubbers have a useful life of five years, while hoists and bus washes have a useful life of 10 years.

The chart below shows the results of Shoreline Metro’s findings:

Equipment Type	Years of Remaining Useful Life	Age	Year Equipment Acquired
Scrubber	(17.00)	22.00	1995
Hoist	(32.00)	42.00	1975
Bus Wash	(6.00)	16.00	2001
Averages	(18.33)	26.67	

Target for Equipment

All of Shoreline Metro’s most significant equipment is beyond its useful life. For now, Shoreline Metro is setting the TAM performance target to allow for 100 percent of its most significant equipment to pass beyond useful life. The 2018 TAM plan will examine the condition of this equipment in greater detail; if the condition of this equipment is deemed beyond its “state of good repair” in the TAM plan, then steps will be taken to have Shoreline Metro work with the MPO to get replacement equipment programmed in the Transportation Improvement Program (TIP).

Facilities

Shoreline Metro evaluated the condition of its facilities using the remaining useful life standards outlined in FTA 5010.1D, page IV-18, 2(f), as a guide. The guidance indicated that facilities generally have a useful life of forty (40) years.

The chart below shows the results of Shoreline Metro's findings:

Facility Type	Condition	Years of Remaining Useful Life	Age	Year of Completion	Condition
Administration, Maintenance and Storage (Bus Garage)	2	(2.00)	42.00	1975	Marginal
Transfer Facility/Station	4	15.00	25.00	1992	Good
Averages	3.00	6.50	33.50		

Target for Facilities

One of Shoreline Metro's two facilities is beyond its useful life of 40 years. Shoreline Metro set the TAM performance target to only allow 50 percent of the facilities to pass beyond useful life. The TAM plan will address the condition of these facilities in greater detail in 2018.

Next Steps

Shoreline Metro will continue to work closely with the Bay-Lake Regional Planning Commission's Sheboygan MPO staff, with the WisDOT Transit Section staff and with the FTA over the next year to begin preparing a formal TAM plan and adjust its targets, as needed.

Contacts

Derek Muench, Director, Shoreline Metro, 920-459-3140

Jeffrey Agee-Aguayo, Bay-Lake Regional Planning Commission, 920-448-2820, Extension 103

