

City of Midland Dial-A-Ride Transit Asset Management Plan

Last modified by Amy Bidwell on 12/15/22

Introduction

The City of Midland Dial provides curb to curb public transportation within the City Limits of Midland, Michigan. The City of Midland covers a 36 square mile service area that lies entirely within the UZA of the Midland Transportation Study (MPO). The Dial-A-Ride system operates 14 lift equipped busses. Bus service hours are Monday - Friday 6:30 am - 11:00 pm, Saturday from 8:00 am - 8:30 pm and Sunday 8:00 am - 2:30 pm. Over 100,000 rides per year are provided with over 70% of our ridership being seniors or persons with a disability.

Performance Targets & Measures

Asset Class	Performance Measure	Target
Rolling Stock <i>All revenue vehicles</i>	Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	50%
Equipment <i>Non-revenue vehicles</i>	Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	15%
Facilities <i>All buildings or structures</i>	Condition - % of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) Scale	50%

Target Setting Methodology

The Useful Life Benchmark target for City of Midland Dial-A-Ride was updated in 2022 to reflect the manufacturer delays in new bus production. COM DART currently has one bus in service that has exceeded its useful life benchmark. [TAM Vision](#) To provide state of good repair asset information and goal setting to ensure proper planning and financial support to maintain current service levels.

TAM and SGR Policy

(1) The City of Midland uses only a portion of the 5307 annual allocation toward operating expenses. The City of Midland utilizes part of the 5307 annual allocation towards the replacement of capital assets and preventative maintenance of those assets.

TAM Goals and/or Objectives

Goals	Objectives
On-Time Service	Maintain 95% on-time service for passengers.
Vehicle Maintenance	Provide vehicle maintenance based on vehicle manufacturer standards
Vehicle Replacement	Replace buses within 7 year, 200,000 mile standard.

Roles and Responsibilities

Department/Individual	Role (Title and/or Description)	Subrecipient
Amy Bidwell	Dial-A-Ride Manager	
Lance Hopper	Fleet Manager	
Rod Merillat	DART Supervisor	

Asset Portfolio

Please see Appendix A (Asset Register) for the asset inventory listing.

Asset Inventory Summary

Asset Category	Total Number	Avg Age	Avg Value
Equipment	1	3	\$69,000.00
Facilities	3	3.33333	\$6,700.00
Rolling Stock	18	5.27778	\$142,500

Condition Assessment

Please see Appendix B (Asset Condition Data) for individual asset condition listing.

Asset Condition Summary

Asset Category	Count	Avg Age	Avg TERM Condition	Avg Value	% At or Past ULB
Equipment	1	3	N/A	\$69,000.00	0.00%
Facilities	3	2	5	\$6,700.00	0.00%
Rolling Stock	14	7.21429	N/A	\$142,500	50%

Management Approach

Investment Prioritization

The City of Midland does not use the annual 5307 allocation to provide 50% of our operating expenses so that funds can be preserved to replace rolling stock at the Altoona benchmark. The City of Midland depends on local funding to bridge the gap for operating assistance.

Decision Support Tools

The following tools are used in making investment decisions:

Process/Tool	Brief Description
Rolling Stock Asset Condition	A software system for fleet maintenance

Risk Management

Risk	Mitigation Strategy
Loss and/or lack of increase in federal	Increased dependence on local funding for operating assistance
Loss and/or lack or increase in federal	Delay bus replacement beyond Altoona testing standards.

Maintenance Strategy

Asset Category/Class	Maintenance Activity	Frequency	Avg Duration (Hrs)	Cost
Cutaway Bus	MDOT Safety Inspection/Preventative Maint	6 months	1.5	\$150
Cutaway Bus	Oil Change/Preventative Maint	3 months/3,000 miles	1	\$100
Cutaway Bus	Change Coolant	36,000 Miles	1	\$120
Cutaway Bus	Engine tune-up	60,000 Miles	3	\$500

Unplanned Maintenance Approach

Unplanned maintenance/mechanical repairs are scheduled into our daily routine as a high priority.

Overhaul Strategy

Asset Category/Class	Overhaul Strategy
Rolling Stock/Cutaway	We do not overhaul busses. Busses are on a 7 year or 200,000 mile replacement plan.
Disposal Strategy	
Asset Category/Class	Disposal Strategy
Rolling Stock/Cutaway	Buses are disposed of (sold) after their useful life has been met and a replacement
Acquisition and Renewal Strategy	
Asset Category/Class	Acquisition and Renewal Strategy
Rolling Stock/Cutaway	Bus procurements are planned based on a useful life of 7 years or 200,000 miles, which
Rolling Stock/Cutaway	Manage vehicle miles to spread replacement over several years to avoid large capital

Work Plans & Schedules

The list of prioritized investment projects is provided in Appendix C.

Appendices

Appendix A	Asset Register
Appendix B	Asset Condition Data
Appendix C	Proposed Investment Project List

Appendix A: Asset Register

Asset Category	Asset Class	Asset Name	Make	Model	ID/Serial No.	Asset Owner	Age (Yrs)	Replacement Cost/Value
Rolling Stock	Cutaway	#13 Eldorado 2015	Ford	E450	1FDFE4FS2FD A 09615	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#15 Eldorado 2015	Ford	E450	1FDFE4FS1GD C03067	City of Midland	7	142,500.00
Rolling Stock	Cutaway	#16 Eldorado 2015	Ford	E450	1FDFE4FSXGD C03116	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#17 Eldorado 2015	Ford	E450	1FDFE4FS1GD C03070	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#18 Eldorado 2015	Ford	E450	1FDFE4FSXGD C03066	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#19 Eldorado 2015	Ford	E450	1FDFE4FS8GD C03115	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#20 Eldorado 2015	Ford	E450	1FDFE4FS8GD C03065	City of Midland	7	\$142,500.00
Rolling Stock	Cutaway	#21 Eldorado 2016	Ford	E450	1FDFE4FS6GD C39515	City of Midland	6	\$142,500.00
Rolling Stock	Cutaway	#22 Eldorado 2016	Ford	E450	1FDFE4FS4GD C39514	City of Midland	6	\$142,500.00
Rolling Stock	Cutaway	#23 Eldorado 2016	Ford	E450	1FDFE4FS2GD C39513	City of Midland	6	\$142,500.00
Rolling Stock	Cutaway	#24 Eldorado 2019	Ford	E450	1FDFE4FS0KD C09273	City of Midland	3	\$142,500.00
Rolling Stock	Cutaway	#25 Eldorado 2019	Ford	E450	1FDFE4FS6GD C39515	City of Midland1	3	\$142,500.00
Rolling Stock	Cutaway	#26 Eldorado 2020	Ford	E450	1FDFE4FS4GD C39514	City of Midland	2	\$142,500.00
Rolling Stock	Cutaway	#27 Eldorado 2021	Ford	E450	1FDFE4FN0M DC40732	City of Midland	1	\$142,500.00

Equipment	Radios	Motorolla Radios/Equipment			Various	City of Midland	8	\$69,000.00
Facilities	Bus Shelter Jerome	Bus Shelter Jerome	Duo-Gard	5 x 12- 4 sided	None	City of Midland	7	\$6,900.00
Facilities	Bus Shelter Rodd	Bus Shelter Rodd	Duo-Gard	5 x 12 -3 sided	None	City of Midland	7	\$6,600.00
Facilities	Bus Shelter McDonald	Bus Shelter McDonald	Duo-Gard	5 x 12 - 3 sided	None	City of Midland	7	\$6,600.00

Appendix B: Asset Condition Data

Equipment Assets

Asset Category	Asset Class	Asset Name	ID/Serial No.	Age (Yrs)	Replacement Cost/Value	Useful Life Benchmark (Yrs)	Past Useful Life Benchmark
Equipment	Radios	Motorolla Radios/Ec	Various	8	\$69,000.00	5	No

Facilities Assets

Asset Category	Asset Class	Asset Name	ID/Serial No.	Age (Yrs)	TERM Scale Condition	Replacement Cost/Value	Useful Life Benchmark (Yrs)	Past Useful Life Benchmark
Facilities	Bus Shelter Jerome	Bus Shelter Jerome	None	7	5	\$6,900.00	15	No
Facilities	Bus Shelter Rodd	Bus Shelter Rodd	None	7	5	\$6,600.00	15	No
Facilities	Bus Shelter McDona	Bus Shelter McDona	None	7	5	\$6,600.00	15	No

Appendix C: Proposed Investment Project List

Project Year	Project Name	Asset/Asset Class	Cost	Priority
2017	Replace Bus #10	Cutaway	\$80,000.00	High
2018	Replace Bus #12	Cutaway	\$80,000.00	High
2019	Replace Bus #11	Cutaway	\$80,000.00	High
2020	Replace Bus #13	Cutaway	\$80,000.00	High
2021	Replace Bus #14	Cutaway	\$80,000.00	High
2022	Replace Bus 15, 16, 17	Cutaway	\$285,000.00	High
2023	Replace Bus 18, 19, 20, 21, 22, 23	Cutaway	\$570,000.00	High
2024	Mobile Data Terminals	Computer	\$28,000.00	High
2025	Replace Bus 24, 25	Cutaway	\$200,000.00	High