

# City of Monroe Transit System Transit Asset Management Plan

## Friday Ellis, Accountable Executive

Last modified by Marc Keenan on 23 Sep 22 at 11:02

### Introduction

The City of Monroe is located in the Ouachita Parish of Louisiana.

### Performance Targets & Measures

Asset Category - Performance Measure	Asset Class	2023 Target	2024 Target	2025 Target	2026 Target	2027 Target
<b>REVENUE VEHICLES</b>						
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	AB - Articulated Bus	N/A				
	AO - Automobile	N/A				
	BR - Over-the-road Bus	N/A				
	BU - Bus	18%	0%	5%	0%	0%
	CU - Cutaway Bus	0%	25%	0%	75%	0%
	DB - Double Decked Bus	N/A				
	FB - Ferryboat	N/A				
	MB - Mini-bus	N/A				
	MV - Mini-van	N/A				
	RT - Rubber-tire Vintage Trolley	N/A				
	SB - School Bus	N/A				
	SV - Sport Utility Vehicle	N/A				
	TB - Trolleybus	N/A				
	VN - Van	N/A				
	Custom 1	N/A				
Custom 2	N/A					
Custom 3	N/A					
<b>EQUIPMENT</b>						
Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	Non Revenue/Service Automobile	25%	13%	13%	25%	0%
	Steel Wheel Vehicles	N/A				
	Trucks and other Rubber Tire Vehicles	N/A				
	Custom 1	N/A				
	Custom 2	N/A				
Custom 3	N/A					
<b>FACILITIES</b>						
Condition - % of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) Scale	Administration	N/A				
	Maintenance	0%	0%	0%	0%	0%
	Parking Structures	N/A				
	Passenger Facilities	0%	0%	0%	100%	100%
	Custom 1	N/A				
Custom 2	N/A					
Custom 3	N/A					

### Target Setting Methodology

These targets are based on the useful life of the asset and facility condition assessment.

### TAM Vision

The broader goal of the TAM plan is to assist in identifying the maintenance plan and replacement schedule of assets. It also aids in maintaining and prolonging the useful life of assets.

### TAM and SGR Policy

Our plan is to adhere to the TAM goals as determined in this Plan.

### Roles and Responsibilities

Department/Individual	Role (Title and/or Description)	Subrecipient
Marc Keenan	General Manager	N/A

## Capital Asset Inventory

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

### Asset Inventory Summary

Asset Category	Total Number	Avg Age	Avg Mileage	Avg Value
<b>Revenue Vehicles</b>	<b>21</b>	<b>4.4</b>	<b>150,540</b>	<b>\$262,099.25</b>
<i>AB - Articulated Bus</i>	0	-	-	-
<i>AO - Automobile</i>	0	-	-	-
<i>BR - Over-the-road Bus</i>	0	-	-	-
<i>BU - Bus</i>	17	5.1	181,281	\$310,805.66
<i>CU - Cutaway Bus</i>	4	1.5	19,892	\$55,097.00
<i>DB - Double Decked Bus</i>	0	-	-	-
<i>FB - Ferryboat</i>	0	-	-	-
<i>MB - Mini-bus</i>	0	-	-	-
<i>MV - Mini-van</i>	0	-	-	-
<i>RT - Rubber-tire Vintage Trolley</i>	0	-	-	-
<i>SB - School Bus</i>	0	-	-	-
<i>SV - Sport Utility Vehicle</i>	0	-	-	-
<i>TB - Trolleybus</i>	0	-	-	-
<i>VN - Van</i>	0	-	-	-
<i>Custom 1</i>	0	-	-	-
<i>Custom 2</i>	0	-	-	-
<i>Custom 3</i>	0	-	-	-
<b>Equipment</b>	<b>9</b>	<b>4.0</b>	<b>41,815</b>	<b>\$10,380.44</b>
<i>Non Revenue/Service Automobile</i>	9	4.0	41,815	\$10,380.44
<i>Steel Wheel Vehicles</i>	0	-	-	-
<i>Trucks and other Rubber Tire Vehicles</i>	0	-	-	-
<i>Custom 1</i>	0	-	-	-
<i>Custom 2</i>	0	-	-	-
<i>Custom 3</i>	0	-	-	-
<b>Facilities</b>	<b>2</b>	<b>39.0</b>	<b>N/A</b>	<b>\$12,500,000.00</b>
<i>Administration</i>	0	-	N/A	-
<i>Maintenance</i>	1	38.0	N/A	\$20,000,000.00
<i>Parking Structures</i>	0	-	N/A	-
<i>Passenger Facilities</i>	1	40.0	N/A	\$5,000,000.00
<i>Custom 1</i>	0	-	N/A	-
<i>Custom 2</i>	0	-	N/A	-
<i>Custom 3</i>	0	-	N/A	-

## Condition Assessment

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

### Asset Condition Summary

Asset Category	Total Number	Avg Age	Avg Mileage	Avg TERM Condition	Avg Value	% At or Past ULB
<b>Revenue Vehicles</b>	<b>21</b>	<b>4.4</b>	<b>150,540</b>	<b>N/A</b>	<b>\$262,099.25</b>	<b>100%</b>
<i>AB - Articulated Bus</i>	0	-	-	N/A	-	-
<i>AO - Automobile</i>	0	-	-	N/A	-	-
<i>BR - Over-the-road Bus</i>	0	-	-	N/A	-	-
<i>BU - Bus</i>	17	5.1	181,281	N/A	\$310,805.66	100%
<i>CU - Cutaway Bus</i>	4	1.5	19,892	N/A	\$55,097.00	100%
<i>DB - Double Decked Bus</i>	0	-	-	N/A	-	-
<i>FB - Ferryboat</i>	0	-	-	N/A	-	-
<i>MB - Mini-bus</i>	0	-	-	N/A	-	-
<i>MV - Mini-van</i>	0	-	-	N/A	-	-
<i>RT - Rubber-tire Vintage Trolley</i>	0	-	-	N/A	-	-
<i>SB - School Bus</i>	0	-	-	N/A	-	-
<i>SV - Sport Utility Vehicle</i>	0	-	-	N/A	-	-
<i>TB - Trolleybus</i>	0	-	-	N/A	-	-
<i>VN - Van</i>	0	-	-	N/A	-	-
<i>Custom 1</i>	0	-	-	N/A	-	-
<i>Custom 2</i>	0	-	-	N/A	-	-
<i>Custom 3</i>	0	-	-	N/A	-	-
<b>Equipment</b>	<b>9</b>	<b>4.0</b>	<b>41,815</b>	<b>N/A</b>	<b>\$10,380.44</b>	<b>100%</b>
<i>Non Revenue/Service Automobile</i>	9	4.0	41,815	N/A	\$10,380.44	100%
<i>Steel Wheel Vehicles</i>	0	-	-	N/A	-	-
<i>Trucks and other Rubber Tire Vehicles</i>	0	-	-	N/A	-	-
<i>Custom 1</i>	0	-	-	N/A	-	-
<i>Custom 2</i>	0	-	-	N/A	-	-
<i>Custom 3</i>	0	-	-	N/A	-	-
<b>Facilities</b>	<b>2</b>	<b>39.0</b>	<b>N/A</b>	<b>-</b>	<b>\$12,500,000.00</b>	<b>N/A</b>
<i>Administration</i>	0	-	N/A	-	-	N/A
<i>Maintenance</i>	1	38.0	N/A	-	\$20,000,000.00	N/A
<i>Parking Structures</i>	0	-	N/A	-	-	N/A
<i>Passenger Facilities</i>	1	40.0	N/A	-	\$5,000,000.00	N/A
<i>Custom 1</i>	0	-	N/A	-	-	N/A
<i>Custom 2</i>	0	-	N/A	-	-	N/A
<i>Custom 3</i>	0	-	N/A	-	-	N/A

## Decision Support

### Investment Prioritization

Our determination is based upon immediate needs. We incorporate the useful life as the major determination factor.

### Decision Support Tools

The following tools are used in making investment decisions:

Process/Tool	Brief Description
Maintenance Software System	The system hosts the maintenance records and assists in determining component failures and the determination of possible preventable services to avoid failures of components.

### Risk Management

Risk	Mitigation Strategy
The ability to receive adequate financial funding fo capital needs	Seek and apply for any grant opportunities that may be available

### Maintenance Strategy

Asset Category	Asset Class	Maintenance Activity	Frequency	Avg Duration (Hrs)	Cost
RevenueVehicles	BU - Bus	Maintenance Inspections	By mileages	4	\$500
RevenueVehicles	BU - Bus	Engine tune-up	Annual	3	\$1,500
RevenueVehicles	BU - Bus	Scan Engine for active codes	Quarterly	1	\$75

### Unplanned Maintenance Approach

Maintenance needs are addressed when they occur. We plan during the budget process for unexpected maintenance issues that may occur during the year.

### Overhaul Strategy

Asset Category	Asset Class	Overhaul Strategy
RevenueVehicles	BU - Bus	Mid-life overhaul - rebuilds bus engine, transmission and electronics, replaces chassis parts. \$75,000 cost per bus.

### Disposal Strategy

Asset Category	Asset Class	Disposal Strategy
RevenueVehicles	BU - Bus	Buses at the end of their useful lives (12 years) are retired according to three options: salvage sale at the City of Monroe salvage yard.

Equipment	Non Revenue/Service Automobile	Equipment at the end of their useful lives (7 years) are retired according to three options: salvage sale at the City of Monroe salvage yard.
Facilities	Passenger Facilities	Facility will be sold after the new facility is constructed.
Facilities	Maintenance	Facility will be sold after the new facility is constructed.

**Acquisition and Renewal Strategy**

<b>Asset Category</b>	<b>Asset Class</b>	<b>Acquisition and Renewal Strategy</b>
RevenueVehicles	BU - Bus	The funds to replace the replacement revenues vehicles will be budgeted into the budget year the replacement is needed. Federal funds will be sought prior to the replacement year.
Equipment	BU - Bus	The funds to replace the replacement revenues will be budgeted into the budget year the replacement is needed. Federal funds will be sought prior to the replacement year.
Facilities	Passenger Facilities	The funds to replace the replacement facilities revenues will be budgeted into the budget year the replacement is needed. Federal funds will be sought prior to the replacement year.
Facilities	Maintenance	The funds to replace the replacement facilities revenues will be budgeted into the budget year the replacement is needed. Federal funds will be sought prior to the replacement year.

## Investment Prioritization

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

### Appendices

[Appendix A](#)

[Appendix B1](#)

[Appendix B2](#)

[Appendix B3](#)

[Appendix C](#)

[Appendix D](#)

Asset Register

Revenue Vehicle (Rolling Stock) Condition Data

Equipment Condition Data

Facilities Condition Data

Proposed Investment Project List

Fleet Replacement Module Output

Appendix A: Asset Register

Asset Category	Asset Class	Asset Name	Make	Model	Count	ID/Serial No.	Asset Owner	Acquisition Year	Vehicle Mileage	Replacement Cost/Value
Equipment	Non Revenue/Service Automobile	31	2014 Ford	Explorer	1	1FM5K7B8XEGC55079	City of Monroe	2014	74,032	\$1,000.00
Equipment	Non Revenue/Service Automobile	32	2015 Dodge	Grand Caravan	1	2CR4RDGBG4FR564375	City of Monroe	2015	108,159	\$1,000.00
Equipment	Non Revenue/Service Automobile	34	2016 Ford	F150	1	1FTMF1CF8GKE18990	City of Monroe	2016	35,480	\$3,032.00
Equipment	Non Revenue/Service Automobile	35	2017 Ford	Explorer	1	1FM5K7D8OHGC74919	City of Monroe	2017	59,296	\$8,019.00
Equipment	Non Revenue/Service Automobile	36	2019 Dodge	1500	1	3C6JR6DT0KG504815	City of Monroe	2019	30,006	\$8,001.00
Equipment	Non Revenue/Service Automobile	37	Dodge	Durango	1	1C4RDHAG4KC738231	City of Monroe	2019	42,381	\$11,813.00
Equipment	Non Revenue/Service Automobile	38	Dodge	Grand Caravan	1	2C4RDGBG3KR756283	City of Monroe	2019	13,836	\$13,120.00
Equipment	Non Revenue/Service Automobile	39	2021 Chevy	Traverse	1	1GNERFKW2MJ158587	City of Monroe	2021	12,991	\$18,130.00
Equipment	Non Revenue/Service Automobile	42	2022 Chevy	Colorado	1	1GCHSBEA9N1256035	City of Monroe	2022	157	\$29,309.00
Facilities	Maintenance	MTS Admin & Maintenance Facility	N/A	N/A	1	Main 1	City of Monroe	1984		\$20,000,000.00
Facilities	Passenger Facilities	MTS Downtown Terminal	N/A	N/A	1	Pass 1	City of Monroe	1982		\$5,000,000.00
RevenueVehicles	BU - Bus	901	2009 Gillig	Phantom	1	15GGB271191176154	City of Monroe	2009	365,298	\$5,000.00
RevenueVehicles	BU - Bus	903	2009 Gillig	Phantom	1	15GGD271291176156	City of Monroe	2009	410,532	\$5,000.00
RevenueVehicles	BU - Bus	904	2009 Gillig	Phantom	1	15GGB271791176157	City of Monroe	2009	467,878	\$5,000.00
RevenueVehicles	BU - Bus	1301	2013 Gillig Hybrid	Phantom	1	15GGB3015D1181544	City of Monroe	2013	232,824	\$273,153.00
RevenueVehicles	BU - Bus	1701	2017 Gillig	Phantom	1	15GGB2714H1185851	City of Monroe	2017	185,002	\$354,097.22
RevenueVehicles	BU - Bus	1702	2017 Gillig	Phantom	1	15GGB2716H1185852	City of Monroe	2017	205,469	\$354,097.22
RevenueVehicles	BU - Bus	1801	2018 Gillig	Phantom	1	15GGB2713J3190534	City of Monroe	2018	178,208	\$363,176.64
RevenueVehicles	BU - Bus	1802	2018 Gillig	Phantom	1	15GGB2715J3190535	City of Monroe	2018	151,058	\$363,176.64
RevenueVehicles	BU - Bus	1803	2018 Gillig	Phantom	1	15GGB2717J3190536	City of Monroe	2018	176,141	\$363,176.64
RevenueVehicles	BU - Bus	1804	2018 Gillig	Phantom	1	15GGB2719J3190537	City of Monroe	2018	153,598	\$363,176.64
RevenueVehicles	BU - Bus	1805	2018 Gillig	Phantom	1	15GGB2710J3190538	City of Monroe	2018	161,834	\$363,176.64
RevenueVehicles	BU - Bus	2001	2020 Gillig	Phantom	1	15GGB271XL3194888	City of Monroe	2020	81,580	\$407,873.87
RevenueVehicles	BU - Bus	2002	2020 Gillig	Phantom	1	15GGB2711L3194889	City of Monroe	2020	77,092	\$407,873.87
RevenueVehicles	BU - Bus	2003	2020 Gillig	Phantom	1	15GGB2718L3194890	City of Monroe	2020	74,007	\$407,873.87
RevenueVehicles	BU - Bus	2101	2021 Gillig	Phantom	1	15GGB2718M3195555	City of Monroe	2021	88,457	\$415,948.00
RevenueVehicles	BU - Bus	2102	2021 Gillig	Phantom	1	15GGB271XM3195556	City of Monroe	2021	49,088	\$415,948.00
RevenueVehicles	BU - Bus	2103	2021 Gillig	Phantom	1	15GGB2716M3196364	City of Monroe	2021	23,710	\$415,948.00
RevenueVehicles	CU - Cutaway Bus	191	2019 Ford	Goshen	1	1FD4F59KDC60626	City of Monroe	2019	30,840	\$47,150.00
RevenueVehicles	CU - Cutaway Bus	211	2021 Ford	Cutaway	1	1FD4F4N4MDC38062	City of Monroe	2021	10,738	\$57,746.00
RevenueVehicles	CU - Cutaway Bus	212	2021 Ford	Cutaway	1	1FD4F4FN7MDC40789	City of Monroe	2021	19,139	\$57,746.00
RevenueVehicles	CU - Cutaway Bus	213	2021 Ford	Cutaway	1	1FD4F4FN2MDC38061	City of Monroe	2021	18,850	\$57,746.00



## Appendix B: Asset Condition Data

### B1: Revenue Vehicle Assets

Asset Category	Asset Class	Asset Name	Count	ID/Serial No.	Age (Yrs)	Vehicle Mileage	Replacement Cost/Value	Useful Life Benchmark (Yrs)	Past Useful Life Benchmark
RevenueVehicles	BU - Bus	901	1	15GGB271191176154	13	365,298	\$5,000.00		Yes
RevenueVehicles	BU - Bus	903	1	15GGD271291176156	13	410,532	\$5,000.00		Yes
RevenueVehicles	BU - Bus	904	1	15GGB271791176157	13	467,878	\$5,000.00		Yes
RevenueVehicles	BU - Bus	1301	1	15GGB3015D1181544	9	232,824	\$273,153.00		Yes
RevenueVehicles	BU - Bus	1701	1	15GGB2714H1185851	5	185,002	\$354,097.22		Yes
RevenueVehicles	BU - Bus	1702	1	15GGB2716H1185852	5	205,469	\$354,097.22		Yes
RevenueVehicles	BU - Bus	1801	1	15GGB2713J3190534	4	178,208	\$363,176.64		Yes
RevenueVehicles	BU - Bus	1802	1	15GGB2715J3190535	4	151,058	\$363,176.64		Yes
RevenueVehicles	BU - Bus	1803	1	15GGB2717J3190536	4	176,141	\$363,176.64		Yes
RevenueVehicles	BU - Bus	1804	1	15GGB2719J3190537	4	153,598	\$363,176.64		Yes
RevenueVehicles	BU - Bus	1805	1	15GGB2710J3190538	4	161,834	\$363,176.64		Yes
RevenueVehicles	BU - Bus	2001	1	15GGB271XL3194888	2	81,580	\$407,873.87		Yes
RevenueVehicles	BU - Bus	2002	1	15GGB2711L3194889	2	77,092	\$407,873.87		Yes
RevenueVehicles	BU - Bus	2003	1	15GGB2718L3194890	2	74,007	\$407,873.87		Yes
RevenueVehicles	BU - Bus	2101	1	15GGB2718M3195555	1	88,457	\$415,948.00		Yes
RevenueVehicles	BU - Bus	2102	1	15GGB271XM3195556	1	49,088	\$415,948.00		Yes
RevenueVehicles	BU - Bus	2103	1	15GGB2716M3196364	1	23,710	\$415,948.00		Yes
RevenueVehicles	CU - Cutaway Bus	191	1	1FD4E4FS9KDC60626	3	30,840	\$47,150.00		Yes
RevenueVehicles	CU - Cutaway Bus	211	1	1FD4E4FN4MDC38062	1	10,738	\$57,746.00		Yes
RevenueVehicles	CU - Cutaway Bus	212	1	1FD4E4FN7MDC40789	1	19,139	\$57,746.00		Yes
RevenueVehicles	CU - Cutaway Bus	213	1	1FD4E4FN2MDC38061	1	18,850	\$57,746.00		Yes

Appendix B: Asset Condition Data

B2: Equipment Assets

Asset Category	Asset Class	Asset Name	Count	ID/Serial No.	Age (Yrs)	Vehicle Mileage	Replacement Cost/Value	Useful Life Benchmark (Yrs)	Past Useful Life Benchmark
Equipment	Non Revenue/Service Automobile	31	1	1FM5K7B8XEGC55079	8	74,032	\$1,000.00		Yes
Equipment	Non Revenue/Service Automobile	32	1	2CR4RDGBG4FR564375	7	108,159	\$1,000.00		Yes
Equipment	Non Revenue/Service Automobile	34	1	1FTMF1CF8GKE18990	6	35,480	\$3,032.00		Yes
Equipment	Non Revenue/Service Automobile	35	1	1FM5K7D8OHGC74919	5	59,296	\$8,019.00		Yes
Equipment	Non Revenue/Service Automobile	36	1	3C6JR6DTOKG504815	3	30,006	\$8,001.00		Yes
Equipment	Non Revenue/Service Automobile	37	1	1C4RDHAG4KC738231	3	42,381	\$11,813.00		Yes
Equipment	Non Revenue/Service Automobile	38	1	2C4RDGBG3KR756283	3	13,836	\$13,120.00		Yes
Equipment	Non Revenue/Service Automobile	39	1	1GNERFKW2MJ158587	1	12,991	\$18,130.00		Yes
Equipment	Non Revenue/Service Automobile	42	1	1GCHSBEA9N1256035		157	\$29,309.00		Yes

## Appendix B: Asset Condition Data

### B3: Facilities Assets

Asset Category	Asset Class	Asset Name	Count	ID/Serial No.	Age (Yrs)	TERM Scale Condition	Replacement Cost/Value
Facilities	Maintenance	MTS Admin & Maintenance Facility	1	Main 1	38		\$20,000,000.00
Facilities	Passenger Facilities	MTS Downtown Terminal	1	Pass 1	40		\$5,000,000.00

### Appendix C: Proposed Investment Project List

<b>Project Year</b>	<b>Project Name</b>	<b>Asset/Asset Class</b>	<b>Cost</b>	<b>Priority</b>
2023	Transit Center Replacement	Facilities	\$5,000,000.00	High
2023	Electric Powered Bus Purchase	RevenueVehicles	\$2,700,000.00	Medium

Appendix D: Fleet Replacement Module Output

Total in Current Year \$		\$2,700,000.00	\$0.00		\$1,000,000.00		\$85,000.00		\$0.00		
Total in Year of Expenditure \$		\$2,700,000.00	\$0.00		\$1,000,000.00		\$85,000.00		\$0.00		
		2023		2024		2025		2026		2027	
Fleet Type (Year/Make/Model)	Number	Cost in 2022 \$	Number	Cost in 2022 \$	Number	Cost in 2022 \$	Number	Cost in 2022 \$	Number	Cost in 2022 \$	
2009 2009 Gillig Phantom	3	\$2,700,000.00									
2013 2013 Gillig Hybrid Phantom					1	\$1,000,000.00					
2017 2017 Gillig Phantom											
2018 2018 Gillig Phantom											
2020 2020 Gillig Phantom											
2021 2021 Gillig Phantom											
2021 2021 Gillig Phantom											
2019 2019 Ford Goshen							1	\$85,000.00			
2021 2021 Ford Cutaway											
2021 2021 Ford Cutaway											