

# City of Shafter Transit Asset Management Plan

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## Introduction

The City of Shafter operates a demand response "Dial-a-ride" public transit system within the City limits and a small portion of unincorporated Kern County. These services are delivered utilizing a pool of minivans and shuttles.

## 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	50%	50%	50%	50%	50%
	AO - Automobile	N/A				
	BR - Over-the-road Bus	N/A				
	BU - Bus	N/A				
	CU - Cutaway Bus	N/A				
	DB - Double Decked Bus	N/A				
	FB - Ferryboat	N/A				
	MB - Mini-bus	N/A				
	MV - Mini-van	10%	10%	10%	10%	10%
	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	N/A				
	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	10%	10%	10%	10%	10%
	Maintenance	N/A				
	Parking Structures	N/A				
	Passenger Facilities	10%	10%	10%	10%	10%
	Custom 1	N/A				
	Custom 2	N/A				
	Custom 3	N/A				

## Target Setting Methodology

Our targets were set by using our current vehicle replacement schedule, available funding, and FTA guidelines. Note that we maintain a few extra Mini-vans as "back up" vehicles that are not in daily service. These vehicles are typically over the useful life but in acceptable condition to keep in the fleet. Additionally, we are transitioning the fleet from Mini-van to Mini-Bus reducing the number of future mini-vans and Increasing their overall age.

## 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>5</b>	<b>6.0</b>	<b>47,365</b>	<b>\$86,403.60</b>
AB - Articulated Bus	2	2.0	4,371	\$151,009.00
AO - Automobile	0	-	-	-
BR - Over-the-road Bus	0	-	-	-
BU - Bus	0	-	-	-
CU - Cutaway Bus	0	-	-	-
DB - Double Decked Bus	0	-	-	-
FB - Ferryboat	0	-	-	-
MB - Mini-bus	0	-	-	-
MV - Mini-van	3	8.7	76,028	\$43,333.33
RT - Rubber-tire Vintage Trolley	0	-	-	-
SB - School Bus	0	-	-	-
SV - Sport Utility Vehicle	0	-	-	-
TB - Trolleybus	0	-	-	-
VN - Van	0	-	-	-
Custom 1	0	-	-	-
Custom 2	0	-	-	-
Custom 3	0	-	-	-
<b>Equipment</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>
Non Revenue/Service Automobile	0	-	-	-
Steel Wheel Vehicles	0	-	-	-
Trucks and other Rubber Tire Vehicles	0	-	-	-
Custom 1	0	-	-	-
Custom 2	0	-	-	-
Custom 3	0	-	-	-
<b>Facilities</b>	<b>2</b>	<b>6.0</b>	<b>N/A</b>	<b>\$87,500.00</b>
Administration	1	5.0	N/A	\$125,000.00
Maintenance	0	-	N/A	-
Parking Structures	0	-	N/A	-
Passenger Facilities	1	7.0	N/A	\$50,000.00
Custom 1	0	-	N/A	-
Custom 2	0	-	N/A	-
Custom 3	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>9</b>	<b>8.8</b>	<b>52,297</b>	<b>N/A</b>	<b>\$62,222.22</b>	<b>89%</b>
AB - Articulated Bus	0	-	-	N/A	-	-
AO - Automobile	0	-	-	N/A	-	-
BR - Over-the-road Bus	0	-	-	N/A	-	-
BU - Bus	0	-	-	N/A	-	-
CU - Cutaway Bus	0	-	-	N/A	-	-
DB - Double Decked Bus	0	-	-	N/A	-	-
FB - Ferryboat	0	-	-	N/A	-	-
MB - Mini-bus	4	6.8	21,310	N/A	\$100,000.00	75%
MV - Mini-van	5	10.4	77,087	N/A	\$32,000.00	100%
RT - Rubber-tire Vintage Trolley	0	-	-	N/A	-	-
SB - School Bus	0	-	-	N/A	-	-
SV - Sport Utility Vehicle	0	-	-	N/A	-	-
TB - Trolleybus	0	-	-	N/A	-	-
VN - Van	0	-	-	N/A	-	-
Custom 1	0	-	-	N/A	-	-
Custom 2	0	-	-	N/A	-	-
Custom 3	0	-	-	N/A	-	-
<b>Equipment</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>N/A</b>	<b>-</b>	<b>-</b>
Non Revenue/Service Automobile	0	-	-	N/A	-	-
Steel Wheel Vehicles	0	-	-	N/A	-	-
Trucks and other Rubber Tire Vehicles	0	-	-	N/A	-	-
Custom 1	0	-	-	N/A	-	-
Custom 2	0	-	-	N/A	-	-
Custom 3	0	-	-	N/A	-	-
<b>Facilities</b>	<b>0</b>	<b>-</b>	<b>N/A</b>	<b>-</b>	<b>-</b>	<b>N/A</b>
Administration	0	-	N/A	-	-	N/A
Maintenance	0	-	N/A	-	-	N/A
Parking Structures	0	-	N/A	-	-	N/A
Passenger Facilities	0	-	N/A	-	-	N/A
Custom 1	0	-	N/A	-	-	N/A
Custom 2	0	-	N/A	-	-	N/A
Custom 3	0	-	N/A	-	-	N/A

## Decision Support

### Investment Prioritization

The fleet is maintained and updated to meet the FTA Useful Life Guidelines. Revenue Vehicles are being replaced with a priority to 1) increase size from Mini-vans to Mini-Busses, 2) Majority % of fleet to electric vehicles but maintain 1-2 gasoline vehicles for backup.

### Decision Support Tools

The following tools are used in making investment decisions:

Process/Tool	Brief Description
MUNIS Capital Fixed Asset Module	Used to track, depreciate, and plan replacement of transit assets.
Blackcats online system	Used to track and plan replacement of transit assets.
Excel Financial Model	Used to project future ridership, asset needs, and financial planning.

## 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
Facilities	Maintenance	3001 / charging stations					City of Shafter	2017		\$125,000.00
Facilities	Passenger Facilities	1511 & 2750 / transit shelter					City of Shafter	2015		\$50,000.00
RevenueVehicles	MB - Mini-bus	2898 / T-17	Zenith	Electric Bus	1	3C6TRVPG8FE512762	City of Shafter	2015	28,641	\$100,000.00
RevenueVehicles	MB - Mini-bus	2899 / T-18	Zenith	Electric Bus	1	3C6TRVPG7FE512770	City of Shafter	2015	25,825	\$100,000.00
RevenueVehicles	MB - Mini-bus	2900 / T-19	Zenith	Electric Bus	1	3C6TRVPGXFE512763	City of Shafter	2015	18,854	\$100,000.00
RevenueVehicles	MB - Mini-bus	2901 / T-20	Zenith	Electric Bus	1	3C6TRVPG4FE512757	City of Shafter	2016	11,918	\$100,000.00
RevenueVehicles	MV - Mini-van	1527 / T-11	Ford	Free Star Mnivan	1	2FMZA51667BA09424	City of Shafter	2009	113,415	\$30,000.00
RevenueVehicles	MV - Mini-van	1528 / T-12	Ford	Free Star Mnivan	1	2FMZA51686BA02585	City of Shafter	2009	112,537	\$30,000.00
RevenueVehicles	MV - Mini-van	2615 / T-14	Dodge	Grand Caravan	1	2C4RDGCG7CR264694	City of Shafter	2013	82,343	\$30,000.00
RevenueVehicles	MV - Mini-van	2618 / T-15	Dodge	Grand Caravan	1	2C4RDGCGXCR310891	City of Shafter	2013	76,037	\$30,000.00
RevenueVehicles	MV - Mini-van	2753 / T-16	Dodge	Grand Caravan	1	2C4RDGBG9ER334877	City of Shafter	2014	1,103	\$40,000.00

## 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	MB - Mini-bus	2898 / T-17	1	3C6TRVPG8FE512762	7	28,641	\$100,000.00	7	Yes
RevenueVehicles	MB - Mini-bus	2899 / T-18	1	3C6TRVPG7FE512770	7	25,825	\$100,000.00	7	Yes
RevenueVehicles	MB - Mini-bus	2900 / T-19	1	3C6TRVPGXFE512763	7	18,854	\$100,000.00	7	Yes
RevenueVehicles	MB - Mini-bus	2901 / T-20	1	3C6TRVPG4FE512757	6	11,918	\$100,000.00	7	No
RevenueVehicles	MV - Mini-van	1527 / T-11	1	2FMZA51667BA09424	13	113,415	\$30,000.00	7	Yes
RevenueVehicles	MV - Mini-van	1528 / T-12	1	2FMZA51686BA02585	13	112,537	\$30,000.00	7	Yes
RevenueVehicles	MV - Mini-van	2615 / T-14	1	2C4RDGCG7CR264694	9	82,343	\$30,000.00	7	Yes
RevenueVehicles	MV - Mini-van	2618 / T-15	1	2C4RDGCGXCR310891	9	76,037	\$30,000.00	7	Yes
RevenueVehicles	MV - Mini-van	2753 / T-16	1	2C4RDGBG9ER334877	8	1,103	\$40,000.00	7	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

## 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	3001 / charging stations			5	5	\$125,000.00
Facilities	Passenger Facilities	1511 & 2750 / transit shelter			7	4	\$50,000.00

Appendix C: Proposed Investment Project List

Project Year	Project Name	Asset/Asset Class	Cost	Priority
2020	Electric Mini-Bus Acquisition	RevenueVehicles	\$165,000.00	High
2020	Electric Mini-Bus Acquisition	RevenueVehicles	\$165,000.00	High
2021	Electric Mini-Bus Acquisition	RevenueVehicles	\$175,000.00	High
2021	Electric Mini-Bus Acquisition	RevenueVehicles	\$175,000.00	Medium
2022	Mini-Van Acquisition	RevenueVehicles	\$50,000.00	High
2023	Mini-Van Acquisition	RevenueVehicles	\$50,000.00	Medium
2023	Electric Mini-Bus Acquisition	RevenueVehicles	\$185,000.00	High
2023	Electric Mini-Bus Acquisition	RevenueVehicles	\$185,000.00	High
2024	Electric Mini-Bus Acquisition	RevenueVehicles	\$195,000.00	High

Appendix D: Fleet Replacement Module Output

<b>Total in Current Year \$</b>		<b>\$40,000.00</b>	<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>	
<b>Total in Year of Expenditure \$</b>		<b>\$40,000.00</b>	<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>		<b>\$0.00</b>	
		<b>2023</b>	<b>2024</b>		<b>2025</b>		<b>2026</b>		<b>2027</b>	
<b>Fleet Type (Year/Make/Model)</b>	<b>Number</b>	<b>Cost in 2022 \$</b>	<b>Number</b>	<b>Cost in 2022 \$</b>	<b>Number</b>	<b>Cost in 2022 \$</b>	<b>Number</b>	<b>Cost in 2022 \$</b>	<b>Number</b>	<b>Cost in 2022 \$</b>
2013 Dodge Grand Caravan										
2014 Dodge Grand Caravan	1	\$40,000.00								
2020 Zeus Bus Ford F-450							1			