

# City of Porterville

## Transit Asset Management Plan

September 27th, 2018



Richard Tree, Transit Manager

Richard I. Tree

Dated: 9/27/2018

# City of Porterville Transit Asset Management Plan

Richard Tree, Accountable Executive

Last modified by Trisha Whiteley on 27 Sep 18 at 13:10

## Introduction

Porterville Transit is a small urban transit agency that provides limited fixed route and demand response service to residents of Porterville, East-Porterville, and the Tule River Indian Reservation. Porterville Transit receives financial assistance through the California DOT to service the City of Porterville's population of approximately 75,000. Porterville Transit provides bus service between the main centers of business in Porterville including local schools, medical centers, and the downtown transit center. While our main assets is our fleet of vehicles, we also have responsibility for the downtown transit center, downtown administration office, maintenance facility, and fueling facility.

## Performance Targets & Measures

Asset Category - Performance Measure	Asset Class	2019 Target	2020 Target	2021 Target	2022 Target	2023 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	10%	10%	10%	10%	10%
	CU - Cutaway Bus	10%	10%	10%	10%	10%
	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	10%	10%	10%	10%	10%
	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	10%	10%	10%	10%	10%
	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	10%	10%	10%	10%	10%
	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

TAM Facility Performance Measure Reporting Guidebook - March 2018

### TAM Vision

The Transit Asset Management (TAM) has been developed to provide a strategic direction, inclusive of roles and responsibilities, for Porterville Transit. The plan will define the Agency's goals and objectives regarding the management of our physical assets and their respective performance.

### TAM and SGR Policy

The City of Porterville is committed to implementing a strategic process for acquiring, maintaining, upgrading, and replacing transit assets to directly support the agency's mission of providing safe and reliable public transit services.

Our policy is to promote a culture that supports asset management at all levels of the organization, to employ effective asset management business practices and tools, to ensure optimal asset performance and useful life, and to use timely, quality data to support transparent and cost-effective decision-making for resource allocation and asset preservation.

We shall emphasize people through coaching, training, the application of technology, and improved processes, we shall ensure workforce's ability to identify and meet agency asset management needs, incorporate sustainability and accessibility into our business practices, and to deliver to our customers the best service and value for every fare and tax dollar spent.

### TAM Goals and/or Objectives

Goals	Objectives
<b>Invest in assets and state of good repair</b>	Implement TAM Plan and Policy consistent with MAP-21 requirements
	Establish clear capital replacement and rehabilitation plans and monitor
<b>Provide agency-wide direction and leadership to increase asset management maturity</b>	Provide clear leadership and direction regarding the asset management strategy and expected outcomes.
	Establish vision of and provide support for an asset management culture.
<b>Maintain assets in State of Good Repair to support safe operating environment</b>	Maintain equipment, infrastructure, systems, and facilities.
	Measure and manage TAM-related risks.

### About the TAM Plan

The asset management plan was developed through a collaborative process that included the involvement of leadership from the Public Works Department, Finance Department, Transit Division, and Field Services Division. This Leadership Team were involved in each of the three major steps of the asset management plan development process, as summarized below:

1. Baseline Assessment (Where are we now)
2. Asset Management Goals and Objectives (Where do we want to be)
3. Implementing Actions and Priorities (How do we get there)

The asset management plan is considered a "roadmap" showing how Porterville Transit plan to get from its current asset maturity level to achieve its asset management goals and objectives. It sets forth the organizational structure, required resources and implementation actions required to reach its destination over the next 2 to 5 years. The asset management plan will be reviewed annually and the road map will be adjusted as priorities and resource levels change, and different ways to reach asset management goals are identified.

Roles and Responsibilities

Department/Individual	Role (Title and/or Description)	Subrecipient
Micahel Reed	Public Works Director	
Richard Tree	Transit Manager	
Russell Isom	Shop Superentendent	
Trisha Whiteley	Financial Analyst	

## 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>35</b>	<b>6.3</b>	<b>157,070</b>	<b>\$423,511.86</b>
AB - Articulated Bus	0	-	-	-
AO - Automobile	0	-	-	-
BR - Over-the-road Bus	0	-	-	-
BU - Bus	25	5.2	183,215	\$555,338.72
CU - Cutaway Bus	4	6.0	84,048	\$151,983.25
DB - Double Decked Bus	0	-	-	-
FB - Ferryboat	0	-	-	-
MB - Mini-bus	0	-	-	-
MV - Mini-van	5	10.8	111,710	\$41,973.40
RT - Rubber-tire Vintage Trolley	0	-	-	-
SB - School Bus	0	-	-	-
SV - Sport Utility Vehicle	0	-	-	-
TB - Trolleybus	1	12.0	22,309	\$121,647.00
VN - Van	0	-	-	-
Custom 1	0	-	-	-
Custom 2	0	-	-	-
Custom 3	0	-	-	-
<b>Equipment</b>	<b>2</b>	<b>9.0</b>	<b>51,285</b>	<b>\$15,000.00</b>
Non Revenue/Service Automobile	2	9.0	51,285	\$15,000.00
Steel Wheel Vehicles	0	-	-	-
Trucks and other Rubber Tire Vehicles	0	-	-	-
Custom 1	0	-	-	-
Custom 2	0	-	-	-
Custom 3	0	-	-	-
<b>Facilities</b>	<b>5</b>	<b>12.2</b>	<b>N/A</b>	<b>\$2,410,863.80</b>
Administration	1	3.0	N/A	\$450,000.00
Maintenance	3	14.3	N/A	\$2,534,773.00
Parking Structures	0	-	N/A	-
Passenger Facilities	1	15.0	N/A	\$4,000,000.00
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>35</b>	<b>6.3</b>	<b>0</b>	<b>N/A</b>	<b>\$423,511.86</b>	<b>20%</b>
AB - Articulated Bus	0	-	-	N/A	-	-
AO - Automobile	0	-	-	N/A	-	-
BR - Over-the-road Bus	0	-	-	N/A	-	-
BU - Bus	25	5.2	0	N/A	\$555,338.72	8%
CU - Cutaway Bus	4	6.0	0	N/A	\$151,983.25	0%
DB - Double Decked Bus	0	-	-	N/A	-	-
FB - Ferryboat	0	-	-	N/A	-	-
MB - Mini-bus	0	-	-	N/A	-	-
MV - Mini-van	5	10.8	0	N/A	\$41,973.40	100%
RT - Rubber-tire Vintage Trolley	0	-	-	N/A	-	-
SB - School Bus	0	-	-	N/A	-	-
SV - Sport Utility Vehicle	0	-	-	N/A	-	-
TB - Trolleybus	1	12.0	0	N/A	\$121,647.00	0%
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>4</b>	<b>7.0</b>	<b>N/A</b>	<b>4.5</b>	<b>\$1,474,718.50</b>	<b>N/A</b>
Administration	1	3.0	N/A	5.0	\$420,000.00	N/A
Maintenance	2	5.0	N/A	5.0	\$1,802,159.50	N/A
Parking Structures	0	-	N/A	-	-	N/A
Passenger Facilities	1	15.0	N/A	3.0	\$1,874,555.00	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

Transit and Maintenance Managers use their best judgement to prioritize needs and return a list of priorities to department head.

### Decision Support Tools

The following tools are used in making investment decisions:

Process/Tool	Brief Description
City Council Direction	Convert City Transit Fleet To Battery-Electric As Quickly As Possible

### Risk Management

Risk	Mitigation Strategy
Loss of significant amounts of federal funds	Decrease dependence on federal funds for capital
Loss of significant amounts of state funds	Decrease dependence on state funds for capital
Loss of significant amounts of local funds	Decrease dependence of local funds for capital

### Unplanned Maintenance Approach

Tranist and Maintenance Manager use their best judgement for unplanned maintenance needs and provide a recommendation to the department head.

### Disposal Strategy

Asset Category	Asset Class	Disposal Strategy
RevenueVehicles	BU - Bus	Buses at the end of their useful lives (14 years) are retired and disposal will be scheduled by the Maintenance Department.
RevenueVehicles	CU - Cutaway Bus	Buses at the end of their useful lives (10 years) are retired and disposal will be scheduled by the Maintenance Department.
RevenueVehicles	MV - Mini-van	Buses at the end of their useful lives (8 years) are retired and disposal will be scheduled by the Maintenance Department.

### Acquisition and Renewal Strategy

Asset Category	Asset Class	Acquisition and Renewal Strategy
RevenueVehicles	BU - Bus	Current fleet will be transitioned to battery-electric.
RevenueVehicles	CU - Cutaway Bus	Current fleet will be transitioned to battery-electric.
RevenueVehicles	MV - Mini-van	Current fleet will be transitioned to battery-electric.

## 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	Administration	Administration Office - Main Street Lease			1	ADMIN1001	Porterville	2015		\$420,000.00
Facilities	Maintenance	Fueling Facility			1	FF1001	Porterville	2009		\$1,235,742.00
Facilities	Maintenance	Fueling Facility Expansion			1	FF1002	Porterville	2017		\$2,368,577.00
Facilities	Passenger Facilities	Transit Center			1	TC1001	Porterville	2003		\$1,874,555.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8201	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8202	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8203	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8204	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8205	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8206	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8207	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8208	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8209	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8210	Porterville	2018		\$823,778.00
Revenue/Vehicles	BU - Bus	EV350	GreenPower	EV350	1	8168	Porterville	2007		\$368,158.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8169	Porterville	2007		\$368,158.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8170	Porterville	2007		\$368,158.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8171	Porterville	2007		\$368,158.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8175	Porterville	2010		\$395,662.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8176	Porterville	2010		\$395,662.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8177	Porterville	2010		\$395,662.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8178	Porterville	2010		\$395,662.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8179	Porterville	2010		\$395,662.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8190	Porterville	2013		\$460,288.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8191	Porterville	2013		\$460,288.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8192	Porterville	2015		\$493,284.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8193	Porterville	2015		\$493,284.00
Revenue/Vehicles	BU - Bus	EZ RIDER 2	El Dorado	EZ Rider	1	8159	Porterville	2003		\$143,801.00
Revenue/Vehicles	BU - Bus	MST	El Dorado	MST	1	8162	Porterville	2003		\$143,801.00
Revenue/Vehicles	CU - Cutaway Bus	All-Star	Starcraft	All-star	1	8184	Porterville	2009		\$100,000.00
Revenue/Vehicles	CU - Cutaway Bus	EZ Street	El Dorado	EZ Street	1	8187	Porterville	2013		\$169,311.00
Revenue/Vehicles	CU - Cutaway Bus	EZ Street	El Dorado	EZ Street	1	8188	Porterville	2013		\$169,311.00
Revenue/Vehicles	CU - Cutaway Bus	EZ Street	El Dorado	EZ Street	1	8189	Porterville	2013		\$169,311.00
Revenue/Vehicles	MV - Mini-van	Chevrolet Uplander	Chevrolet	Uplander	1	8167	Porterville	2006		\$41,268.00
Revenue/Vehicles	MV - Mini-van	Chevrolet Uplander	Chevrolet	Uplander	1	8172	Porterville	2007		\$41,512.00
Revenue/Vehicles	MV - Mini-van	Chevrolet Uplander	Chevrolet	Uplander	1	8173	Porterville	2007		\$41,512.00
Revenue/Vehicles	MV - Mini-van	Chevrolet Uplander	Chevrolet	Uplander	1	8174	Porterville	2008		\$41,512.00
Revenue/Vehicles	MV - Mini-van	Chevrolet Uplander	Chevrolet	Uplander	1	8183	Porterville	2008		\$44,063.00
Revenue/Vehicles	TB - Trolleybus	Trolley	Ford	Classic Trolley	1	8100	Porterville	2006		\$121,647.00

## 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	EV350	1	1 8201			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8202			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8203			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8204			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8205			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8206			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8207			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8208			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8209			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EV350	1	1 8210			\$823,778.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8168	11		\$368,158.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8169	11		\$368,158.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8170	11		\$368,158.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8171	11		\$368,158.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8175	8		\$395,662.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8176	8		\$395,662.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8177	8		\$395,662.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8178	8		\$395,662.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8179	8		\$395,662.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8190	5		\$460,288.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8191	5		\$460,288.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8192	3		\$493,284.00	14	No
RevenueVehicles	BU - Bus	EZ RIDER 2	1	1 8193	3		\$493,284.00	14	No
RevenueVehicles	BU - Bus	MST	1	1 8159	15		\$143,801.00	14	Yes
RevenueVehicles	BU - Bus	MST	1	1 8162	15		\$143,801.00	14	Yes
RevenueVehicles	CU - Cutaway Bus	All-Star	1	1 8184	9		\$100,000.00	10	No
RevenueVehicles	CU - Cutaway Bus	EZ Street	1	1 8187	5		\$169,311.00	10	No
RevenueVehicles	CU - Cutaway Bus	EZ Street	1	1 8188	5		\$169,311.00	10	No
RevenueVehicles	CU - Cutaway Bus	EZ Street	1	1 8189	5		\$169,311.00	10	No
RevenueVehicles	MV - Mini-van	Chevrolet Uplander	1	1 8167	12		\$41,268.00	8	Yes
RevenueVehicles	MV - Mini-van	Chevrolet Uplander	1	1 8172	11		\$41,512.00	8	Yes
RevenueVehicles	MV - Mini-van	Chevrolet Uplander	1	1 8173	11		\$41,512.00	8	Yes
RevenueVehicles	MV - Mini-van	Chevrolet Uplander	1	1 8174	10		\$41,512.00	8	Yes
RevenueVehicles	MV - Mini-van	Chevrolet Uplander	1	1 8183	10		\$44,063.00	8	Yes
RevenueVehicles	TB - Trolleybus	Trolley	1	1 8100	12		\$121,647.00	13	No

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	Administration	Administration Office - Main Street Lease	1	ADMIN1001	3	5	\$420,000.00
Facilities	Maintenance	Fueling Facility	1	FF1001	9	5	\$1,235,742.00
Facilities	Maintenance	Fueling Facility Expansion	1	FF1002	1	5	\$2,368,577.00
Facilities	Passenger Facilities	Transit Center	1	TC1001	15	3	\$1,874,555.00

# Appendix C: Proposed Investment Project List

Project Year	Project Name	Asset/Asset Class	Cost	Priority
2018	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High
2018	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High
2019	Electric Bus Acquisition	Revenue Vehicles	\$830,000.00	High
2019	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High
2020	Electric Bus Acquisition	Revenue Vehicles	\$830,000.00	High
2020	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High
2021	Electric Bus Acquisition	Revenue Vehicles	\$830,000.00	High
2021	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High
2022	Electric Bus Acquisition	Revenue Vehicles	\$830,000.00	High
2022	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	high
2023	Electric Bus Acquisition	Revenue Vehicles	\$830,000.00	High
2023	Electric Paratransit Van Acquisition	Revenue Vehicles	\$150,000.00	High

Appendix D: Fleet Replacement Module Output

Total in Current Year \$		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
Total in Year of Expenditure \$		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
		2019		2020		2021		2022		2023	
Fleet Type (Year/Make/Model)	Number	Cost in 2018 \$	Number	Cost in 2018 \$	Number	Cost in 2018 \$	Number	Cost in 2018 \$	Number	Cost in 2018 \$	Number
2006 Chevrolet Uplander											
2007 Chevrolet Uplander											
2008 Chevrolet Uplander											
2013 El Dorado EZ Street											
2003 El Dorado MST											
2007 El Dorado EZ Rider											
2010 El Dorado EZ Rider											
2013 El Dorado EZ Rider											
2015 El Dorado EZ Rider											
2009 Starcraft All-star											
2018 GreenPower EV350											
2006 Ford Classic Trolley											