

# Test Transit Asset Management Plan

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## Introduction

The Demo Agency is a small transit agency that provides limited bus service to residents of Small Town, USA. This agency receives financial assistance through State DOT to service the Small Town population of 200,000 people. We provide bus service primarily between the main centers of business in Small Town including the local school, the town clinic, and the town center transit stop, where passengers can connect to Amtrak trains and Greyhound buses to reach the nearest big cities. While our main assets are our bus vehicles, we also have responsibility for managing two facilities and service vehicles which all work together to provide the best service to Small Town.

## Performance Targets & Measures

Asset Category - Performance Measure	Asset Class	2018 Target	2019 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	20%	10%
	AO - Automobile	N/A	
	BR - Over-the-road Bus	N/A	
	BU - Bus	N/A	
	CU - Cutaway Bus	20%	10%
	DB - Double Decked Bus	N/A	
	FB - Ferryboat	20%	10%
	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	20%	10%
	Paratransit van	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	20%	10%
	Steel Wheel Vehicles	20%	10%
	Trucks and other Rubber Tire Vehicles	20%	10%
	Computer Equipment	20%	10%
	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	20%	10%
	Maintenance	20%	10%
	Parking Structures	20%	10%
	Passenger Facilities	20%	10%
	Custom 1	N/A	
	Custom 2	N/A	
	Custom 3	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
Revenue Vehicles	9	13.3	42,676	\$693,548.00
<i>AB - Articulated Bus</i>	2	14.0	121,958	\$125,758.00
<i>AO - Automobile</i>	0	-	-	-
<i>BR - Over-the-road Bus</i>	0	-	-	-
<i>BU - Bus</i>	0	-	-	-
<i>CU - Cutaway Bus</i>	3	11.3	15,345	\$55,602.00
<i>DB - Double Decked Bus</i>	0	-	-	-
<i>FB - Ferryboat</i>	1	22.0	56,422	\$5,643,857.00
<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>	1	12.0	25,633	\$37,624.00
<i>Paratransit van</i>	0	-	-	-
<i>Custom 2</i>	0	-	-	-
<i>Custom 3</i>	0	-	-	-
Equipment	4	15.3	68,845	\$123,413.00
<i>Non Revenue/Service Automobile</i>	1	18.0	154,684	\$5,100.00
<i>Steel Wheel Vehicles</i>	1	11.0	36,218	\$456,453.00
<i>Trucks and other Rubber Tire Vehicles</i>	1	13.0	15,632	\$24,557.00
<i>Computer Equipment</i>	1	19.0	N/A	\$7,542.00
<i>Custom 2</i>	0	-	-	-
<i>Custom 3</i>	0	-	-	-
Facilities	6	26.5	N/A	\$2,611,467.17
<i>Administration</i>	1	41.0	N/A	\$6,473,653.00
<i>Maintenance</i>	2	37.5	N/A	\$24,377.50
<i>Parking Structures</i>	1	12.0	N/A	\$3,452,436.00
<i>Passenger Facilities</i>	2	15.5	N/A	\$2,846,979.50
<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
Revenue Vehicles	9	13.3	42,676	N/A	\$693,548.00	33%
AB - Articulated Bus	2	14.0	121,958	N/A	\$125,758.00	0%
AO - Automobile	0	-	-	N/A	-	-
BR - Over-the-road Bus	0	-	-	N/A	-	-
BU - Bus	0	-	-	N/A	-	-
CU - Cutaway Bus	3	11.3	15,345	N/A	\$55,602.00	33%
DB - Double Decked Bus	0	-	-	N/A	-	-
FB - Ferryboat	1	22.0	56,422	N/A	\$5,643,857.00	100%
MB - Mini-bus	0	-	-	N/A	-	-
MV - Mini-van	0	-	-	N/A	-	-
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	1	12.0	25,633	N/A	\$37,624.00	0%
Paratransit van	0	-	-	N/A	-	-
Custom 2	0	-	-	N/A	-	-
Custom 3	0	-	-	N/A	-	-
Equipment	4	15.3	51,634	N/A	\$123,413.00	75%
Non Revenue/Service Automobile	1	18.0	154,684	N/A	\$5,100.00	100%
Steel Wheel Vehicles	1	11.0	36,218	N/A	\$456,453.00	0%
Trucks and other Rubber Tire Vehicles	1	13.0	15,632	N/A	\$24,557.00	100%
Computer Equipment	1	19.0	0	N/A	\$7,542.00	100%
Custom 2	0	-	-	N/A	-	-
Custom 3	0	-	-	N/A	-	-
Facilities	6	26.5	N/A	3.2	\$2,611,467.17	N/A
Administration	1	41.0	N/A	4.0	\$6,473,653.00	N/A
Maintenance	2	37.5	N/A	2.5	\$24,377.50	N/A
Parking Structures	1	12.0	N/A	3.0	\$3,452,436.00	N/A
Passenger Facilities	2	15.5	N/A	3.5	\$2,846,979.50	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

Maintenance managers use their best judgment 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
Fleet replacement module	Automated spreadsheet to calculate required fleet purchase for each year for five years.

# 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	Computer Equipment	Server	Dell	PowerEdge R 510	1	ST:2N8N7S1		1998		\$7,542.00
Equipment	Non Revenue/Service Automobile	Straight Van	Ford	SV	1	069 DNU		1999	154,684	\$5,100.00
Equipment	Steel Wheel Vehicles	sdfg	sdfg		1	dsfg		2006	36,218	\$456,453.00
Equipment	Trucks and other Rubber Tire Vehicles	dfgs	sdfg		1	dhg		2004	15,632	\$24,557.00
Facilities	Administration	are	are		1	aer		1976		\$6,473,653.00
Facilities	Maintenance	Bus Barn			1			1999		\$44,275.00
Facilities	Maintenance	Walton Shelter			1	SH01		1960		\$4,480.00
Facilities	Parking Structures	dfgsdf	sdfasd		1			2005		\$3,452,436.00
Facilities	Passenger Facilities	dfgh	rge		1	dfg		2000		\$4,576,547.00
Facilities	Passenger Facilities	Northeast Oregon Public Transit Building			1			2003		\$1,117,412.00
RevenueVehicles	AB - Articulated Bus	La Grande Fixed Route	DoubleK	Bus	1	B13265		2003	123,351	\$125,758.00
RevenueVehicles	AB - Articulated Bus	La Grande Fixed Route	DoubleK	Bus	1	B13266		2003	120,564	\$125,758.00
RevenueVehicles	CU - Cutaway Bus	La Grande Backup	Ford	CW	1	CN03596		2000	20,026	\$55,602.00
RevenueVehicles	CU - Cutaway Bus	La Grande Backup	Ford	CW	1	CN03595		2007	15,560	\$55,602.00
RevenueVehicles	CU - Cutaway Bus	La Grande Fixed Route	DoubleK	Bus	1	B13267		2010	10,450	\$55,602.00
RevenueVehicles	FB - Ferryboat	scc	Austal USA	Mary D Odyssey	1	sac		1995	56,422	\$5,643,857.00
RevenueVehicles	Paratransit Vehicle	La Grande Paratransit	Dodge	PT	1	125 FFT		2010	6,654	\$36,199.00
RevenueVehicles	Paratransit Vehicle	Mixed Use	Chevy		1	56135		2000	5,420	\$105,930.00
RevenueVehicles	VN - Van	La Grande Paratransit	Dodge	Van	1	486 FVS		2005	25,633	\$37,624.00

**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	AB - Articulated Bus	La Grande Fixed Route	1	B13265	14	123,351	\$125,758.00	15	No
RevenueVehicles	AB - Articulated Bus	La Grande Fixed Route	1	B13266	14	120,564	\$125,758.00	20	No
RevenueVehicles	CU - Cutaway Bus	La Grande Backup	1	CN03596	17	20,026	\$55,602.00	10	Yes
RevenueVehicles	CU - Cutaway Bus	La Grande Backup	1	CN03595	10	15,560	\$55,602.00	20	No
RevenueVehicles	CU - Cutaway Bus	La Grande Fixed Route	1	B13267	7	10,450	\$55,602.00	20	No
RevenueVehicles	FB - Ferryboat	scc	1	sac	22	56,422	\$5,643,857.00	20	Yes
RevenueVehicles	Paratransit Vehicle	La Grande Paratransit	1	125 FFT	7	6,654	\$36,199.00	15	No
RevenueVehicles	Paratransit Vehicle	Mixed Use	1	56135	17	5,420	\$105,930.00	10	Yes
RevenueVehicles	VN - Van	La Grande Paratransit	1	486 FVS	12	25,633	\$37,624.00	15	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
Equipment	Computer Equipment	Server	1	ST:2N8N7S1	19		\$7,542.00	15	Yes
Equipment	Non Revenue/Service Automobile	Straight Van	1	069 DNU	18	154,684	\$5,100.00	10	Yes
Equipment	Steel Wheel Vehicles	sdfg	1	dsfg	11	36,218	\$456,453.00	23	No
Equipment	Trucks and other Rubber Tire Vehicles	dfgs	1	dhg	13	15,632	\$24,557.00	13	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	Administration	are	1	aer	41	4	\$6,473,653.00
Facilities	Maintenance	Bus Barn	1		18	1	\$44,275.00
Facilities	Maintenance	Walton Shelter	1	SH01	57	4	\$4,480.00
Facilities	Parking Structures	dfgsdf	1		12	3	\$3,452,436.00
Facilities	Passenger Facilities	dfgh	1	dfg	17	5	\$4,576,547.00
Facilities	Passenger Facilities	Northeast Oregon Public Transit Building	1		14	2	\$1,117,412.00

### Appendix C: Proposed Investment Project List

Project Year	Project Name	Asset/Asset Class	Cost	Priority
2018	Austal USA Mary D Odyssey Ferry Acquisition	RevenueVehicles	\$11,287,714.00	Medium
2018	Ford Cutaway Bus Acquisition	RevenueVehicles	\$222,408.00	High
2018	Dodge Modified Minivan Acquisition	RevenueVehicles	\$72,398.00	Medium
2018	Maintenance Vehicle Replacement	Equipment	\$10,000.00	High
2017	Bus Barn Rehabilitation	Facilities	\$100,000.00	Medium
2019	Administration Facilities Rehabilitation	Facilities	\$150,000.00	Low

## Appendix D: Fleet Replacement Module Output

Total in Current Year \$		\$12,154,676.00	\$5,918,443.00	\$143,554.00	\$6,114,357.00	\$143,554.00					
Total in Year of Expenditure \$		\$12,397,769.52	\$6,036,811.86	\$146,425.08	\$6,236,644.14	\$146,425.08					
		2018		2019		2020		2021		2022	
Fleet Type (Year/Make/Model)	Number	Cost in 2017 \$	Number	Cost in 2017 \$	Number	Cost in 2017 \$	Number	Cost in 2017 \$	Number	Cost in 2017 \$	
1995 Austal USA Mary D Odyssey	2	\$11,287,714.00	1	\$5,643,857.00			1	\$5,643,857.00			
2000 Chevy	3	\$317,790.00			1	\$105,930.00			1	\$105,930.00	
2000 Ford CW											
2003 DoubleK Bus	2	\$251,516.00	1	\$125,758.00			3	\$377,274.00			
2005 Dodge Van	2	\$75,248.00	1	\$37,624.00	1	\$37,624.00	1	\$37,624.00	1	\$37,624.00	
2007 Ford CW	1	\$55,602.00	2	\$111,204.00			1	\$55,602.00			
2010 Dodge PT											
2010 DoubleK Bus	3	\$166,806.00									