

City of Lodi Transit Asset Management Plan (Updated October 2022)

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Introduction

The CITY is an urbanized area located in the San Joaquin Valley, in the central portion of the State of California. An estimated population of 67,021 (2021) resides within the CITY limits, in an area of 14 square miles. The primary industries are agriculture, food processing, healthcare, and some light industry and services.

The CITY provides public transit services within its boundaries and limited adjacent areas in northern San Joaquin County. The GrapeLine, a fixed route transit service, consists of five (5) weekday regular routes, three (3) weekday express routes, and four (4) weekend regular routes, operating within CITY limits. The general public demand response and ADA paratransit (Dial-A-Ride/VineLine) service area also operates within CITY limits, plus in various unincorporated areas in Woodbridge and Acampo. The total transit service area is approximately 19 square miles.

The total annual passenger ridership for the fixed route, demand response, and ADA paratransit services is approximately 159,529 passengers (FY21/22). The total annual vehicle revenue miles for fixed route, demand response, and ADA paratransit is approximately 275,220 miles (FY21/22). Prior to the COVID-19 pandemic, total systemwide annual passenger ridership was 284,269 (FY18/19) and total systemwide annual vehicle revenue miles were 366,689 (FY18/19).

Lodi Transit operates twenty-five (25) vehicles for transportation, with an annual maximum peak revenue service of sixteen (16) vehicles: eight (8) demand response and eight (8) fixed route. CITY vehicles, including transit buses, are serviced and maintained by CITY mechanics belonging to the Fleet Services Division. Day-to-day transit operations are handled by a transit operations contractor, with City of Lodi Transit Division staff providing overall planning, administration, and oversight of the system. In addition to vehicles, the City has the responsibility of managing two facilities: the Lodi Transit Station and Transit Station Parking Structure.

Performance Targets & Measures

Asset Category – Performance Measure	Asset Class	% at ULB / 2023 Target	% at ULB / 2024 Target
REVENUE VEHICLES			
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	0%/0%	100%/0%
	CU - Cutaway Bus	0%/0%	68.4%/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	0%	0%
	VN - Van	N/A	
	Custom 1	N/A	
	Custom 2	N/A	
	Custom 3	N/A	
EQUIPMENT			
Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	Non-Revenue/Service Automobile	0%	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	
FACILITIES			
Condition - % of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) Scale	Administration	N/A	
	Maintenance	N/A	
	Parking Structure	0%	0%
	Passenger Facilities	0%	0%
	Custom 1	N/A	
	Custom 2	N/A	
	Custom 3	N/A	

Target Setting Methodology

The City's asset procurement schedule has been developed in a manner to replace each asset at the end of its useful life. In 2024, six (6) El Dorado buses and thirteen (13) Chevrolet ARBOCs will have met their useful life of 12 years and 8 years, respectively. These useful life values are based off of the FTA guidance available at the time of those bus acquisitions. The City plans to replace these buses in 2024; however, since no asset is planned to be used beyond the end of its useful life, all performance goals are set at 0%.

Capital Asset Inventory

Asset Inventory Summary

Asset Category	Total	Avg. Age	Avg. Mileage	Avg. Cash Value
REVENUE VEHICLES	25			
AB – Articulated Bus	0			
AO – Automobile	0			
BR – Over-the-road Bus	0			
BU – Bus	6	9	189,955	\$101,826.39
CU – Cutaway Bus	18	5.61	75,436	\$41,246.22
DB – Double Decked Bus	0			
FB – Ferryboat	0			
MB – Mini-bus	0			

MV – Mini-van	0			
RT – Rubber-tire Vintage Trolley	0			
SB – School Bus	0			
SV – Sport Utility Vehicle	0			
TB – Trolleybus	1	2	10,299	\$502,859.94
VN – Van	0			
Custom 1	0			
Custom 2	0			
Custom 3	0			
EQUIPMENT	2			
Non-Revenue/Service Automobile	2	3	6,478	\$32,174.69
Steel Wheel Vehicles	0			
Trucks and other Rubber Tire Vehicles	0			
Custom 1	0			
Custom 2	0			
Custom 3	0			
FACILITIES	2			
Administration	0			
Maintenance	0			
Parking Structures	1	20	N/A	\$8,000,000
Passenger Facilities	1	23	N/A	\$5,000,000
Custom 1	0			
Custom 2	0			
Custom 3	0			

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	25			N/A		
AB – Articulated Bus	0			N/A		
AO – Automobile	0			N/A		
BR – Over-the-road Bus	0			N/A		
BU – Bus	6	9	189,955	N/A	\$159,116.90	0%
CU – Cutaway Bus	18	6.16	75,436	N/A	\$41,246.22	0%
DB – Double Decked Bus	0			N/A		
FB – Ferryboat	0			N/A		
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	1	2	10,299	N/A	\$502,859.94	0%
VN – Van	0			N/A		
Custom 1	0			N/A		
Custom 2	0			N/A		
Custom 3	0			N/A		
Equipment	2			N/A		

Non-Revenue/Service Automobile	2	3	6,478	N/A	\$32,174.69	0%
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		
Facilities	2		N/A			
Administration	0		N/A			
Maintenance	0		N/A			
Parking Structures	1	20	N/A	3	\$8,000,000	0%
Passenger Facilities	1	23	N/A	3	\$5,000,000	0%
Custom 1	0		N/A			
Custom 2	0		N/A			
Custom 3	0		N/A			

Decision Support

Investment Prioritization

(1) SAFETY - Issues that concern safety or security critical assets or initiatives. This applies to the safety of both riders and employees. (2) COMPLIANCE - Issues that are necessary to fulfill regulatory compliance requirements. (3) MAINTENANCE - Issues for maintenance of existing assets, including State of Good Repair (SGR) projects. (4) ENHANCEMENT - Issues that enhance or expand assets to improve services.

Decision Support Tools

The following tools are used in making investment decisions:

Process/Tool	Brief Description
Asset Condition Assessment	A semi-annual, in-person assessment of rolling stock, equipment, and facilities.
Maintenance Meetings	Monthly maintenance meetings with fleet maintenance staff, the transit operator, and transit administrative staff to discuss vehicle maintenance and fleet performance issues.
Short-Range Transit Plan	An adopted Short Range Transit Plan provides decision support tools and strategies

About the TAM Plan

Lodi Public Works Transit Division is currently operating as an FTA-defined Tier II transit provider. Lodi transit combines safety, performance, SGR and risk factors to evaluate the condition of vehicles, equipment and facilities. This TAM Plan covers a five-year period and the Plan will be reviewed and updated annually.

Roles and Responsibilities

Department/Individual	Role (Title and/or Description)	Subrecipient
Public Works/Charles E. Swimley, Jr.	Public Works Director – Manages and directs all Divisions within the Public Works Department, including Transit.	City of Lodi
Public Works/Julia Tyack	Transportation Manager – Manages the transit division and administers all FTA programs. Accountable Executive.	City of Lodi
Public Works/Frank Huang	Transportation Planner – Oversees transit operations, DBE Program, Title IV, etc.	City of Lodi

Investment Prioritization

The list of prioritized investment projects is provided in Appendix C

Appendices

- Appendix A** Asset Register
- Appendix B1** Revenue Vehicle (Rolling Stock) Asset Condition Data
- Appendix B2** Equipment Asset Condition Data
- Appendix B3** Facilities Asset Condition Data
- Appendix C** Proposed Investment Project List

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
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-030	City of Lodi	2012	233,039	\$473,000
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-031	City of Lodi	2012	227,831	\$473,000
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-032	City of Lodi	2012	223,823	\$473,000
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-033	City of Lodi	2012	212,346	\$473,000
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-034	City of Lodi	2012	281,317	\$473,000
Revenue Vehicles	BU - Bus	Fixed Route Bus	El Dorado	EZ Rider	1	10-035	City of Lodi	2012	141,028	\$473,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-051	City of Lodi	2015	101,986	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-052	City of Lodi	2015	90,645	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-053	City of Lodi	2015	95,145	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-054	City of Lodi	2015	82,802	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-055	City of Lodi	2015	91,021	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-056	City of Lodi	2015	104,052	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-057	City of Lodi	2015	91,257	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-058	City of Lodi	2015	88,548	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-059	City of Lodi	2015	85,973	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-060	City of Lodi	2015	94,036	\$215,000

Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-061	City of Lodi	2015	59,554	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-062	City of Lodi	2015	90,837	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	ARBOC Spirit of Mobility	1	10-063	City of Lodi	2015	82,271	\$215,000
Revenue Vehicles	TB - Trolleybus	ADA/DAR/Fixed Route	Gillig	Low Floor Trolley	1	10-050	City of Lodi	2019	10,299	\$663,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	GLAVAL Titan II	1	10-064	City of Lodi	2018	35,351	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	GLAVAL Titan II	1	10-065	City of Lodi	2018	39,814	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	GLAVAL Titan II	1	10-066	City of Lodi	2018	38,929	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	GLAVAL Titan II	1	10-067	City of Lodi	2018	49,588	\$215,000
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	Chevrolet	GLAVAL Titan II	1	10-068	City of Lodi	2018	36,034	\$215,000
Equipment	Non-Revenue/Service Automobile	Transit Admin. Support	Toyota	4Runner	1	04-047	City of Lodi	2021	1,756	\$28,000
Equipment	Non-Revenue/Service Automobile	Maint. Support Truck	Ford	F-450	1	04-022	City of Lodi	2017	11,200	\$46,200
Facilities	Passenger Facilities	Lodi Transit Station	N/A	N/A	1	N/A	City of Lodi	1999	N/A	\$5,000,000
Facilities	Parking Structure	Lodi Parking Garage	N/A	N/A	1	N/A	City of Lodi	2002	N/A	\$8,000,000

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
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-030	10	233,039	\$473,000	12	No
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-031	10	227,831	\$473,000	12	No
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-032	10	223,823	\$473,000	12	No
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-033	10	212,346	\$473,000	12	No
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-034	10	281,317	\$473,000	12	No
Revenue Vehicles	BU - Bus	Fixed Route Bus	1	10-035	10	141,028	\$473,000	12	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-051	7	47,761	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-052	7	57,570	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-053	7	51,172	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-054	7	50,632	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-055	7	47,937	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-056	7	53,270	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-057	7	55,382	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-058	7	46,266	\$215,000	8	No

Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-059	7	49,355	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-060	7	49,740	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-061	7	40,842	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-062	7	41,959	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-063	7	40,670	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-064	2	35,351	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-065	2	39,814	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-066	2	38,929	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-067	2	49,588	\$215,000	8	No
Revenue Vehicles	CU - Cutaway	ADA/DAR/Fixed Route	1	10-068	2	36,034	\$215,000	8	No
Revenue Vehicles	TB - Trolleybus	ADA/DAR/Fixed Route	1	10-050	2	162,504	\$663,000	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
Equipment	Non-Revenue/Service Automobile	Transit Admin. Support Vehicle	1	04-047	1	11,200	\$28,000	8	No
Equipment	Non-Revenue/Service Automobile	Maint. Support Truck	1	04-022	5	1,756	\$46,200	14	No

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	Passenger Facilities	Lodi Transit Station	1	N/A	23	3	\$5,000,000
Facilities	Parking Structure	Lodi Parking Garage	1	N/A	20	3	\$8,000,000

Appendix C: Proposed Investment Project List

B2: Equipment Assets

Project Year	Project Name	Asset/Asset Class	Cost	Priority
2022	Transit Station Dry Rot Repair	Facilities	~\$610,000	High
2022-2023	Parking Garage Emergency Lighting System Repair	Facilities	~\$80,000	High
2024	Replacement Gillig Buses (6 bus)	Revenue Vehicles	\$3,850,000	High
2024	Replacement Cutaway Buses (13 buses)	Revenue Vehicles	\$2,925,000	High