

EL DORADO TRANSIT



Fiscal Year 2019/20

Capital Improvement Plan

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EL DORADO COUNTY TRANSIT AUTHORITY

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2019/2020

EL DORADO COUNTY TRANSIT AUTHORITY

CAPITAL IMPROVEMENT PLAN

The El Dorado County Transit Authority (El Dorado Transit) maintains a fleet of large, medium and small buses, minivans and sedans. Fleet vehicles are utilized in the delivery of public transportation; for administrative support travel; staff development training; on-going public outreach travel and maintenance of transit facilities such as bus stops and park-and-ride lots. The <u>Capital Improvement Plan</u> is designed to address the financial investment required to maintain the fleet and facilities owned or leased by El Dorado Transit. Continuing the current level of service and managing the potential expansion of service will succeed only if adequate consideration is given to capital needs.

The <u>Capital Improvement Plan</u> is a planning document setting goals with realistic revenue projections. Vehicle replacement is a component of the <u>Capital Improvement Plan</u>. This annual planning process maximizes available funding for capital investments necessary to provide public transportation at the current level of service and efficient management of the expansion of public services.

As a financial management tool, the <u>Capital Improvement Plan</u> is prepared to take full advantage of capital funding programs, avoid large annual claims against local transportation funds for capital expenditures and to assure capital reserves are available in case annual capital revenue sources diminish or are not consistent. <u>Capital Improvement Plan</u> funding is available for full replacement cost and provides local match funding required for capital grant programs.

California public transit operators have several sources of capital funding available. Each funding source has differing criteria for eligible projects. Bus replacement funding is the most challenging capital funding for public transit operators.

The <u>Capital Improvement Plan</u> and Capital Budget for 2019/20 identify funding transit capital projects with; Public Transportation Modernization Improvement and Service Enhancement Account (PTMISEA) funds, California Transit Security Grant Program - California Transit Assistance Funds (CTSGP-CTAF), deferred State Transit Assistance (STA) funds, Federal Transit Administration (FTA) Section 5307 funds, Federal Transit Administration (FTA) Section 5310 funds, Federal Transit Administration (FTA) Section 5339 funds, Congestion Mitigation and Air Quality (CMAQ) funds and through public financing.

The <u>Capital Improvement Plan</u> includes a summary of projects and funding sources; the budget and project descriptions.

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Western Placerville Interchange (WPI) – Park and Ride Project

Project No. 12-06 (6)

All work related to the full build out of a Park and Ride lot within the Western Placerville Interchange (WPI).

The <u>El Dorado County Transit Authority Park-and-Ride Facilities Master Plan</u>, August 2009 contemplates the rough grading for two (2) Future Park and ride facilities within the Western Placerville Interchanges project.

Environmental review will be incorporated in the City of Placerville scope of a supplemental Environmental Impact Report (EIR).

Potential 150 +/- will be located between the off ramp and Forni Road

Total Project Cost Engineers Estimate for full park and ride build out is \$2,230,000.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Western Placerville Interchange Park & Ride Total Project Cost	<u>\$2,865,620</u> \$2,865,620
FUNDING SOURCES	
FY 2010/11 Public Transportation Modernization, Improvement, and Service Enhancement Program (PTMISEA) 2013/14 Congestion Mitigation and Air Quality (CMAQ) Public Transportation Modernization, Improvement, and Service Enhancement	\$1,270,620 \$1,100,000
Account (PTMISEA) FY (10/11)	\$ 160,000
State Transit Assistance (STA)	<u>\$ 335,000</u>
Total Revenue	\$2,865,620

Metal Fabrication Tools

Maintenance Facility

Project No. 14-03

The El Dorado County Transit Authority (El Dorado Transit) operates a maintenance facility to repair and maintain all fleet vehicles excluding major body repairs, paint and windshield installation. The facility includes three (3) large bays and repair stations.

When a bus receives body damage maintenance staff contacts vendors to perform work. The acquisition of a vertical band saw, foot sheer, sheet metal brake, plasma cutter, heavy duty work benches and combination belt and disc sander allows staff to perform the fabrication of metal panels significantly reducing body damage repair costs.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Vertical Band Saw	\$ 3,604
Foot Shear	\$ 1,723
Sheet Metal Brake	\$ 1,095
Plasma Cutter	\$ 1,590
Heavy Duty Work Benches	\$ 1,464
Combination Disc Sander	\$ 1,380
10% Contingency	<u>\$ 1,087</u>
<i>Total Project Cost</i>	\$11,942
FUNDING SOURCE	
State Transit Assistance (STA)	<u>\$11,942</u>
Total Revenue	\$11,942

te 1	ransit Assistance (STA)	<u>\$11,9</u>
	Total Revenue	\$11,9

Park-and-Ride Parking Lot Maintenance

Project No. 15-08

The El Dorado County Transit Authority (El Dorado Transit) utilizes and maintains several Park-and-Ride locations throughout El Dorado County. General maintenance is done on a regular basis including landscaping services.

Normal wear and tear on these locations requires larger projects such as re-striping, asphalt repairs, curb repairs and other items on an as needed basis.

Included within this project element will be the needs of the El Dorado Hills Theater temporary parking lot.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Park-and-Ride Parking Lot Maintenance Total Project Cost	<u>\$250,000</u> \$250,000
FUNDING SOURCE	

State Transit Assistance (STA)	<u>\$250,000</u>
Total Revenue	\$250,000

Bus Stop Improvements with new Shelter and Amenities on Upper Broadway, <u>Placerville</u>

Project No. 17-03 (2)

The El Dorado County Transit Authority (El Dorado Transit) operates a local fixed route service in the City of Placerville that includes stops on Broadway. Currently one (1) stop meets design standards on the south side.

El Dorado Transit recommends an advertising shelter with a schedule holder. This would meet El Dorado Transit design standards. The advertising program managed by El Dorado Transit provides shelter and bus stop maintenance and miscellaneous revenue. The shelter maintenance is performed by the third party advertising contractor saving the El Dorado Transit resources (staff time and funding).

Project will include the build-out of a bus turnout and the acquisition and installation of bus shelter, waste receptacle, wall schedule, tax, delivery and solar power if required.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Bus Stop Improvements	\$356,864
Contingency 10%	<u>\$ 35,686</u>
Total Project Cost	\$392,550

FUNDING SOURCE

State Transit Assistance (STA)	\$392,550
Total Revenue	\$392,550

Maintenance Facility – Safety and Equipment

Project No. 17-05

The El Dorado County Transit Authority (El Dorado Transit) operates a maintenance facility to repair and maintain all fleet vehicles excluding major body repairs, paint and windshield installation. The facility includes three (3) large bays and repair stations to allow for multiple repairs to occur simultaneously.

It has been identified that several projects can be made to increase productivity as well as the addition of safety equipment.

COST SUMMARY (ESTIMATE)		Adopted <u>Budget</u>
Cable Harness System Oil Tank Relocation Opacity Testing Machine Pallet Racking System Contingency (10%)	Total Project Cost	\$10,000 \$3,000 \$10,000 \$25,000 <u>\$4,800</u> \$52,800

FUNDING SOURCES

State Transit Assistance (STA))	<u>\$52,000</u>
7	Total Revenue	\$52,000

Moderate Improvements to Administration Building

Project No. 18-01 (2)

Currently the gutter system on the administration building has the water from the roof drain directly onto the back cement pad area at the rear of the building. This needs to be redirected to prevent possible hazards.

There are numerous exterior incandescent lights around the administration building and the Central park and ride needing to be replaced with efficient LED lighting.

The vehicle entry gate into the bus parking lot malfunctions periodically due to a poor design and needs to be replaced.

There is a small cement pad on the west end of the administration building that needs to be expanded to allow for a small shed to house a vault wagon when not in use. The wagon currently is placed in the break room.

Additional maintenance projects as needed for FY 2018/19.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Admin Building Improvements	\$150,000
10% Contingency	<u>\$ 15,000</u>
Total Project Cost	\$165,000

FUNDING SOURCE

State Transit Assistance (STA)	<u>\$165,000</u>
Total Revenue	\$165,000

Bus Shelters Amenities

Project No. 18-02

El Dorado Transit staff is looking towards improving the amenities for current and future bus stop locations. In order to meet the needs in a timely manner, this project would allow for the purchase and planning of amenities such as shelters, benches, waste receptacles and solar energy panels etc.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Admin Building Improvements	\$150,000
10% Contingency	<u>\$ 15,000</u>
Total Project Cost	\$165,000

FUNDING SOURCE

State Transit Assistance (STA)	\$165,000
Total Revenue	\$165,000

Vehicle Replacement

Services: Local Fixed Route Bus Replacement

Project No. 18-04 (3)

El Dorado Transit was awarded three (3) Federal Transit Administration (FTA) Section 5339 grants for the purchase of four (4) low-floor clean diesel transit buses for fiscal years 2018 and 2019. These buses will replace three (3) 35' BlueBird brand buses that are no longer supported by the manufacturer and one (1) 2012 International 32' cutaway previously designated for early disposal.

Four (4) 35' BLUEBIRD AND ONE (1) 32' INTERNATIONAL BUSES

Vehicle Type	Mileage
	As of 05/24/19
2006 BlueBird Bus	277,671
2006 BlueBird Bus	412,406
2006 BlueBird Bus	326,018
2012 International	139,853
	2006 BlueBird Bus 2006 BlueBird Bus 2006 BlueBird Bus

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Four (4) Low-Floor Clean Diesel Transit Buses	\$1,941,276
Contingency @ 10%	\$ <u>194,128</u>
<i>Total Project Cost</i>	<i>\$2,135,404</i>
FUNDING SOURCES	
Federal Transit Administration 5307	\$ 196,253
Federal Transit Administration 5339	\$1,355,747
State Transit Assistance (STA)	<u>\$ 583,404</u>
<i>Total Revenue</i>	\$2,135,404

Radio System

Project No. 18-06 (2)

The El Dorado County Transit Authority (El Dorado Transit) utilizes a radio system to communicate between dispatch personnel and bus drivers. This project will upgrade the radio system to improve range and performance to cover all areas of bus service.

COST SUMMARY (ESTIMATE)		Adopted <u>Budget</u>
Radio System Contingency 10%	Total Project Cost	\$100,210 <u>\$ 10,021</u> <i>\$110,231</i>

FUNDING SOURCES

Proposition 1B	
California Transit Security Grant Program -	
California Transit Assistance Fund	
(CTSGP-CTAF) (Proposition 1B) FY 16/17	\$ 99,883
State Transit Assistance (STA)	<u>\$ 10,348</u>
Total Revenue	\$110,231

IT Upgrade and Replacement 5-year plan

Project No. 19-01

The most recent assessment of the El Dorado County Transit Authority's (El Dorado Transit) network in November 2017 yielded a 5-year IT plan to proactively replace IT network hardware and software according to its estimated life span. Included in this plan is desktops, laptops, servers, network equipment and software upgrades during Fiscal Year 2018/19 through Fiscal Year 2022/2023.

COST SUMMARY (ESTIMATE)		Adopted <u>Budget</u>
IT Upgrade and Replacement Plan 10% Contingency	Total Project Cost	\$127,850 <u>\$12,785</u> \$140,635
FUNDING SOURCES		
State Transit Assistance (STA)	Total Revenue	<u>\$140,635</u> \$140,635

Pollock Pines Safeway Bus Stop Improvements

Project No. 19-02 (2)

The El Dorado County Transit Authority (El Dorado Transit) uses a designated bus stop located on the south side to Pony Express Trail directly in front of Safeway in Pollock Pines. This bus stop consists of an asphalt pullout and a standalone concrete pad with a shelter. This project will include the replacement of the asphalt pullout with concrete, increasing the size of the concrete pad for the shelter, adding sidewalk and curbing to meet Americans with Disabilities Act (ADA) minimum standards, solar lighting and security cameras.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Pollock Pines Safeway Bus Stop Improvements	\$ 168,418
Contingency 10%	<u>\$ 16,842</u>
Total Project Cost	\$ 184,900
FUNDING SOURCES	
State Transit Assistance	<u>\$ 184,900</u>
Total Revenue	\$ 184,900

Administration Building Safety Improvements

Project No. 19-03

The El Dorado County Transit Authority (El Dorado Transit) understands the most important asset is its employees. Being proactive will reduce potential threats. Following recent trends of violence in the workplace, a walk through assessment was completed by two (2) deputies from the El Dorado County Sheriff's Department and Office of Emergency Services. As a result, the Administration Building Safety Improvement will enhance the overall employee safety and security and address opportunities within the facility.

El Dorado Transit will install one (1) cashiers window in the reception area; install three (3) panic alarms (1 in dispatch and 2 in the reception area); install two (2) exterior windows in two (2) offices and one (1) sliding window connecting two (2) offices. Installing the improvements will allow for safer and more secure interactions from external and internal customers. The enclosed windows with addition of panic alarms will limit exposure to physical threat and allow a quicker response from emergency services. The added windows will allow for an added security measure and an extra escape route if other egress routes are not accessible.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Equipment and Installation of two (2) exterior windows- one (1) connector window	\$ 11,000
Equipment and Installation of three (3) panic switches	\$ 2,000
Purchase and Installation of one (1) cashier windows	\$ 6,000
Contingency 15%	<u>\$ 3,150</u>
Total Project Estimate	\$ 24,150
FUNDING SOURCES	\$ 24 150
State Transit Assistance (STA)	<u>\$ 24,130</u>

State Transit Assistance (STA)	<u>\$ 24,150</u>
Total Revenue	\$ 24,150

Vehicle Replacement – Demand Response

Services:	Local Bus Route
	Dial-A-Ride

Project No. 19-04 (2)

The El Dorado County Transit Authority (El Dorado Transit) was awarded a Federal Transit Administration (FTA) grant to replace five (5) local fixed route cutaway buses and five (5) Dial-A-Ride minivans that are beyond useful life. All vehicles will be moved into back-up status.

This project replaces:

EDCTA #	Vehic	le Type	Mileage 08/24/2018
1013	2010	Chevy Minivan	126,252
1101	2011	Chevy Minivan	167,643
1301	2013	Chevy Minivan	160,459
1302	2013	Chevy Minivan	169,588
1303	2013	Chevy Minivan	159,582
0703	2007	Chevy 26- passenger bus	298,944
0704	2007	Chevy 26- passenger bus	359,070
0901	2009	Chevy 26- passenger bus	259,692
0902	2009	Chevy 26- passenger bus	249,079
0903	2009	Chevy 26- passenger bus	227,264

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>
Five (5) Minivans	\$335,000
Five (5) Cut-A-Way Buses	\$548,000
Contingency 5%	\$ 44,150
Total	<i>Project Cost</i> \$927,150

FUNDING SOURCES

Federal Transit Administration (FTA) 5310	
Enhanced Mobility of Seniors and	
Individuals with Disabilities	\$610,000
State Transit Assistance	<u>\$317,150</u>
Total Revenue	\$927,150

Administration / Maintenance Facility Equipment

Project No. 19-05

El Dorado Transit may have the need during the Fiscal Year 2018/19 to procure items considered incidental in nature, but are above the \$1,000 threshold that designates an asset posted to the depreciation schedule. Examples of this would include the replacement of small office equipment/furniture and/or replacement of Maintenance equipment.

Adoption of the project and budget allows transit staff to procure small items in a timely manner with the least amount of inconvenience to the public and staff. Individual purchase orders for this project will be presented to the Board for approval if they exceed the \$25,000 per purchase limit or if a budget increase is requested.

\$40.000

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>			
Admin./Maintenance Facility Equipment Total Project Cost	<u>\$40,000</u> \$40,000			
FUNDING SOURCES				
State Transit Assistance (STA)	<u>\$40,000</u>			

Total Revenue

Facility Surveillance System Upgrade

Project No. 20-01

In 2011, El Dorado County Transit Authority (El Dorado Transit) installed a surveillance and personnel/vehicle access control systems. The project included installing interior and exterior, day/night video surveillance cameras with supporting recording hardware and software, and key card access control doors and vehicle gates.

The software has reached it end of life and the software developer will no longer provide support. This project will include updating the software and any hardware components necessary.

COST SUMMARY (ESTIMATE) Adopted Budget Facility Surveillance System Upgrade \$15,000 10% Contingency \$15,000 \$16,500 FUNDING SOURCES State Transit Assistance \$16,500 Total Revenue \$16,500

Automatic Bus Washer Retrofit

Project No. 20-02

El Dorado County Transit Authority (El Dorado Transit) purchased the current administration building and property in 1997. During the original build-out the bus washer and fleet parking lot were constructed at that time.

This bus washing system has been properly maintained and has reached beyond the estimated useful life. Due to its advanced age replacement parts are difficult to source and have forced the in-house fabrication of parts.

This project will include the removal and retrofit of the bus wash system.

COST SUMMARY (ESTIMA	TE)	Adopted <u>Budget</u>
Automatic Bus Wash	er Retrofit	\$100,000
10% Contingency		<u>\$ 10,000</u>
	Total Project Cost	\$110,000

FUNDING SOURCE

State Transit Assistance (STA)	<u>\$110,000</u>
Total Revenue	\$110,000

Administration / Maintenance Facility Equipment

Project No. 20-03

El Dorado Transit may have the need during the Fiscal Year 2019/20 to procure items considered incidental in nature, but are above the \$1,000 threshold that designates an asset posted to the depreciation schedule. Examples of this would include the replacement of small office equipment/furniture and/or replacement of Maintenance equipment.

Adoption of the project and budget allows transit staff to procure small items in a timely manner with the least amount of inconvenience to the public and staff. Individual purchase orders for this project will be presented to the Board for approval if they exceed the \$25,000 per purchase limit or if a budget increase is requested.

COST SUMMARY (ESTIMATE)	Adopted <u>Budget</u>		
Admin./Maintenance Facility Equipment Total Project Cost	<u>\$40,000</u> \$40,000		
FUNDING SOURCES			

State Transit Assistance (STA)	<u>\$40,000</u>
Total Revenue	\$40,000

Maintenance Facility Swamp Cooler and Steam Cleaner Modifications

Project No. 20-04

In 2001, two (2) industrial swamp coolers were installed on the exterior of the maintenance facility to provide environmental control for maintenance staff performing maintenance in the three (3) bays. Over time, these large units are inefficient and do not provide the necessary cooling needed for personnel and require extensive maintenance.

This project would remove the existing units, patch the metal siding, installing new racking and two (2) more efficient swap coolers and proper ducting inside the bays.

In 2013, an engine steam cleaning system was constructed behind the maintenance facility for keeping the bus engines free of excessive oil and grease as required by California Highway Patrol Transit Operator Compliance requirement. The facility included a steel carport area with a contained drain system to prevent leakage into the storm water drain system. When not used for steam cleaning engines, this area is used by the custodian to perform bus cleaning. Because the area has no siding it is not a conducive environment during adverse weather. It is not a large enough are to house a 45 foot bus.

This project would install pre-engineered metal siding to close off three (3) sides of the facility, install additional columns to extend the length of the facility by 10 - 15 and a rollup door to fit the larger buses to enable closing off the work area during adverse weather conditions.

	Proposed <u>Budget</u>		
Shop Swamp Cooler Modifications 10% Contingency	\$53,975 <u>\$_5,397</u> \$59,372		
Steam Cleaner Modifications 10% Contingency	\$76,480 <u>\$_7,648</u> \$84,128		
Total Project Cost	\$143,500		
FUNDING SOURCES			
State Transit Assistance	<u>\$143,500</u>		
Total Revenue	\$143,500		

COST SUMMARY (ESTIMATE)

El Dorado County Transit Authority

Proposed Capital Improvement Plan Budget FY 2019/20

			Approved Capital Projects								
Status	Priority	CIP Project Number	Project Description	Budget	Deferred STA* \$1,705,916	FTA Section 5310 \$196,253	FTA Section 5310 \$610,000	FTA Section 5339 \$1,355,747	PTMISEA 10/11 \$1,430,620	CTSGP-CTAF \$100,535	CMAQ \$1,100,000
ACTIVE	1B	12-06	Western Placerville Interchange (WPI) Park and Ride	\$2,865,620	\$335,000				\$1,430,620		\$1,100,000
PLANNED	5A	14-03	Metal Fabrication Tools	\$11,942	\$11,942						
ACTIVE	1A	15-08	Park-and-Ride Parking Lot Maintenance	\$250,000	\$250,000						
PLANNED	4A	17-03	Bus Stop Improvements - Upper Broadway	\$166,014	\$166,014						
ACTIVE	2A	17-05	Maintenance Facility - Safety and Equipment	\$52,000	\$52,000						
PLANNED	5B	18-01	Moderate Improvements to Administration Building	\$165,000	\$165,000						
ACTIVE	3A	18-02	Bus Shelter Amenities	\$165,000	\$165,000						
ACTIVE	1C	18-04	Vehicle Replacement - Local Fixed Route - Gillig	\$2,135,404	\$583,404	\$196,253		\$1,355,747			
ACTIVE	2B	18-06	Radio System	\$110,231	\$11,231					\$99,000	
ACTIVE	4A	19-01	IT Upgrade and Replacement 5 Year Plan	\$140,635	\$140,635						
ACTIVE	3C	19-02	Pollock Pines Safeway Bus Stop Improvements	\$184,900	\$184,900						
PLANNED	5C	19-03	Administration Building Safety Improvements	\$24,150	\$24,150						
ACTIVE	2C	19-04	Vehicle Replacement - Demand Response	\$920,000	\$310,000		\$610,000				
ACTIVE	3B	19-05	Administration / Maintenance Facility Equipment	\$40,000	\$40,000						
PLANNED	4B	20-01	Facility Surveillance Upgrade	\$16,500	\$16,500						
PLANNED	4C	20-02	Automatic Bus Washer Retrofit	\$110,000	\$110,000						
PLANNED	4D	20-03	Administration / Maintenance Facility Equipment	\$40,000	\$40,000						
PLANNED	8	20-04	Maintenance Facility Swamp Cooler and Steam Cleaner Modifications	\$143,500	\$143,500						
			Project Totals	\$7,540,896	\$2,749,276	\$196,253	\$610,000	\$1,355,747	\$1,430,620	\$99,000	\$1,100,000
			Remaining Funds Available		-\$1,043,360	\$0	\$0	\$0	\$0	\$1,535	\$0

Priority - Key Code

- 1 = Active project, Work In Progress, projected completion undetermined
- 2 = Active project, Work In Progress, projected completion in FY 2018/19
- 3 = Active project, Work In Progress, projected completion during Fiscal Year 2019/20
- 4 = Funding in place, pending Specifications and Purchase Order
- 5 = Funding in place, pending staff management availability
- 6 = Funding received, Project ongoing
- 7 = Pending completion of Phase I
- 8 = Pending Funding

*Per FY 2017/18 Audited Financials minus first six month expenses FY 2018/19