

El Paso County Regional Transit Institutional Options Feasibility Study

Financial Summary Sheets

Prepared for:



Texas A&M Transportation Institute
August 2018

El Paso County Transit Study: Financial Summary by Service Scenario

Cost Element	Transit Service Scenario						
	Current Service	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
Annual Passenger Boardings	371,400	297,600	442,400	642,200	549,500	794,500	806,700
Peak Vehicles	88	83	88	95	95	99	100
Vanpool Vehicles	78	78	78	78	78	78	78
Flexible- or Fixed-Route Peak Vehicles	10		10	12	12	16	16
Dial-a-Ride or ADA Paratransit Peak Vehicles		5		5	5	5	6
Annual Revenue Hours	83,900	73,800	89,400	125,900	117,900	137,900	142,200
Annual Revenue Miles	3,414,600	3,301,900	3,630,800	4,199,100	4,031,600	4,396,600	4,474,500
Passengers per Revenue Hour	4.4	4.0	4.9	5.1	4.7	5.8	5.7
Annual Operating Cost	\$4,220,000	\$3,530,000	\$4,550,000	\$6,910,000	\$6,400,000	\$7,690,000	\$7,970,000
Annual Fare Revenue	\$830,000	\$730,000	\$930,000	\$1,210,000	\$1,120,000	\$1,420,000	\$1,440,000
Annual Net Operating Cost	\$3,390,000	\$2,800,000	\$3,620,000	\$5,700,000	\$5,280,000	\$6,270,000	\$6,530,000
Annual Amortized Capital Cost for Vehicles	\$200,000	\$90,000	\$180,000	\$310,000	\$310,000	\$390,000	\$420,000
Annual Amortized Capital Cost for Passenger Facilities	\$0	\$0	\$300,000	\$300,000	\$300,000	\$490,000	\$490,000
Total Annual Amortized Capital Cost	\$200,000	\$90,000	\$480,000	\$610,000	\$610,000	\$880,000	\$910,000
Total Annual Cost (Net Operating + Capital)	\$3,590,000	\$2,890,000	\$4,100,000	\$6,310,000	\$5,890,000	\$7,150,000	\$7,440,000
Sources of Revenue							
Federal Rural	\$1,060,000	\$860,000	\$1,220,000	\$1,480,000	\$1,380,000	\$1,570,000	\$1,490,000
Federal Rural Intercity	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000
Federal CMAQ	\$860,000	\$350,000	\$860,000	\$860,000	\$860,000	\$860,000	\$860,000
Federal Urban	\$0	\$0	\$80,000	\$100,000	\$180,000	\$120,000	\$290,000
State Texas	\$430,000	\$440,000	\$430,000	\$380,000	\$400,000	\$370,000	\$390,000
State New Mexico	\$710,000	\$710,000	\$710,000	\$710,000	\$710,000	\$710,000	\$710,000
Local	\$110,000	\$110,000	\$380,000	\$2,360,000	\$1,940,000	\$3,100,000	\$3,280,000
Total Annual Revenue	\$3,590,000	\$2,890,000	\$4,100,000	\$6,310,000	\$5,890,000	\$7,150,000	\$7,440,000
Scenario Performance Measures							
Passenger Boardings per Revenue Hour	4.4	4.0	4.9	5.1	4.7	5.8	5.7
Net Operating Cost per Passenger Boarding	\$9.13	\$9.41	\$8.18	\$8.88	\$9.61	\$7.89	\$8.09
% of Rural El Paso Co Population with Transit Access	53%	100%	58%	100%	44%	100%	100%
% of Urban El Paso Co Population with Transit Access	59%	0%	71%	71%	57%	84%	100%

Note: Some values may not add correctly due to rounding

Current Service

Cost Element	Transit Service				
	Commuter Route Bus		Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	135,000		184,800	51,600	371,400
Peak Vehicles	10		78		88
Annual Revenue Hours	31,700		45,500	6,600	83,900
Annual Revenue Miles	679,800		2,504,400	230,500	3,414,600
Passengers per Revenue Hour	4.3		4.1	7.8	4.4
Annual Operating Cost	\$ 2,100,000		\$ 840,000	\$ 1,280,000	\$ 4,220,000
Annual Fare Revenue	\$ 190,000		\$ 490,000	\$ 150,000	\$ 830,000
Annual Net Operating Cost	\$ 1,910,000		\$ 350,000	\$ 1,130,000	\$ 3,390,000
Annual Amortized Capital Cost for Vehicles	\$ 200,000		\$ -	\$ -	\$ 200,000
Annual Amortized Capital Cost for Passenger Facilities	\$ -		\$ -	\$ -	\$ -
Total Annual Amortized Capital Cost	\$ 200,000		\$ -	\$ -	\$ 200,000
Total Annual Cost (Net Operating + Capital)	\$ 2,110,000		\$ 350,000	\$ 1,130,000	\$ 3,590,000
Sources of Revenue					
Federal Rural	\$ 1,060,000		\$ -	\$ -	\$ 1,060,000
Federal Rural Intercity	\$ -		\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000		\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ -		\$ -	\$ -	\$ -
State Texas	\$ 430,000		\$ -	\$ -	\$ 430,000
State New Mexico	\$ -		\$ -	\$ 710,000	\$ 710,000
Local	\$ 110,000		\$ -	\$ -	\$ 110,000
Total Annual Revenue	\$ 2,110,000		\$ 350,000	\$ 1,130,000	\$ 3,590,000
Service Characteristics Commuter Route Bus: 5 bus routes operate Monday - Saturday, at varying spans of service between 11 hours and 14 hours per day. Route 50 operates 9 hours on weekdays and 7 hours on Saturdays and Sundays.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		4.4
			Net Operating Cost per Passenger Boarding		\$9.13
			Percent of Rural El Paso County Population with Transit Access		53%
			Percent of Urbanized El Paso County Population with Transit Access		59%

Note: Some values may not add correctly due to rounding

Scenario 1: Rural Dial-a-Ride

Cost Element	Transit Service				
		Rural Dial-a-Ride	Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings		61,300	184,800	51,600	297,600
Peak Vehicles		5	78		83
Annual Revenue Hours		21,700	45,500	6,600	73,800
Annual Revenue Miles		389,500	2,681,800	230,500	3,301,900
Passengers per Revenue Hour		2.8	4.1	7.8	4.0
Annual Operating Cost		\$ 1,410,000	\$ 840,000	\$ 1,280,000	\$ 3,530,000
Annual Fare Revenue		\$ 90,000	\$ 490,000	\$ 150,000	\$ 730,000
Annual Net Operating Cost		\$ 1,320,000	\$ 350,000	\$ 1,130,000	\$ 2,800,000
Annual Amortized Capital Cost for Vehicles		\$ 90,000	\$ -	\$ -	\$ 90,000
Annual Amortized Capital Cost for Passenger Facilities		\$ -	\$ -	\$ -	\$ -
Total Annual Amortized Capital Cost		\$ 90,000	\$ -	\$ -	\$ 90,000
Total Annual Cost (Net Operating + Capital)		\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 2,890,000
Sources of Revenue					
Federal Rural		\$ 860,000	\$ -	\$ -	\$ 860,000
Federal Rural Intercity		\$ -	\$ -	\$ 420,000	\$ 420,000
Federal CMAQ		\$ -	\$ 350,000	\$ -	\$ 350,000
Federal Urban		\$ -	\$ -	\$ -	\$ -
State Texas		\$ 440,000	\$ -	\$ -	\$ 440,000
State New Mexico		\$ -	\$ -	\$ 710,000	\$ 710,000
Local		\$ 110,000	\$ -	\$ -	\$ 110,000
Total Annual Revenue		\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 2,890,000
Service Characteristics Rural Dial-a-Ride: Four zones of demand-responsive service operate Monday - Saturday, 14 hours per day. Trips must be reserved in advance and origin and destination of trip must be within the same zone.		Scenario Performance Measures			
		Passenger Boardings per Revenue Hour			4.0
		Net Operating Cost per Passenger Boarding			\$9.41
		Percent of Rural El Paso County Population with Transit Access			100%
		Percent of Urbanized El Paso County Population with Transit Access			0%

Note: Some values may not add correctly due to rounding

Scenario 2: Baseline Flexible-Route Local Bus

Cost Element	Transit Service				
	Flexible-Route Local Bus		Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	206,000		184,800	51,600	442,400
Peak Vehicles	10		78		88
Annual Revenue Hours	37,300		45,500	6,600	89,400
Annual Revenue Miles	718,400		2,681,800	230,500	3,630,800
Passengers per Revenue Hour	5.5		4.1	7.8	4.9
Annual Operating Cost	\$ 2,430,000		\$ 840,000	\$ 1,280,000	\$ 4,550,000
Annual Fare Revenue	\$ 290,000		\$ 490,000	\$ 150,000	\$ 930,000
Annual Net Operating Cost	\$ 2,140,000		\$ 350,000	\$ 1,130,000	\$ 3,620,000
Annual Amortized Capital Cost for Vehicles	\$ 180,000		\$ -	\$ -	\$ 180,000
Annual Amortized Capital Cost for Passenger Facilities	\$ 300,000		\$ -	\$ -	\$ 300,000
Total Annual Amortized Capital Cost	\$ 480,000		\$ -	\$ -	\$ 480,000
Total Annual Cost (Net Operating + Capital)	\$ 2,620,000		\$ 350,000	\$ 1,130,000	\$ 4,100,000
Sources of Revenue					
Federal Rural	\$ 1,220,000		\$ -	\$ -	\$ 1,220,000
Federal Rural Intercity	\$ -		\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000		\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ 80,000		\$ -	\$ -	\$ 80,000
State Texas	\$ 430,000		\$ -	\$ -	\$ 430,000
State New Mexico	\$ -		\$ -	\$ 710,000	\$ 710,000
Local	\$ 380,000		\$ -	\$ -	\$ 380,000
Total Annual Revenue	\$ 2,620,000		\$ 350,000	\$ 1,130,000	\$ 4,100,000
Service Characteristics Flexible-Route Local Bus: 6 bus routes operate Monday - Saturday, 14 hours per day. Route 50 operates 12 hours on weekdays and Saturdays and 10 hours on Sundays.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		4.9
			Net Operating Cost per Passenger Boarding		\$8.18
			Percent of Rural El Paso County Population with Transit Access		58%
			Percent of Urbanized El Paso County Population with Transit Access		71%

Note: Some values may not add correctly due to rounding

Scenario 3: Flexible-Route Local Bus + Rural Dial-a-Ride

Cost Element	Transit Service				
	Flexible-Route Local Bus	Rural Dial-a-Ride	Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	344,600	61,300	184,800	51,600	642,200
Peak Vehicles	12	5	78		95
Annual Revenue Hours	52,000	21,700	45,500	6,600	125,900
Annual Revenue Miles	897,300	389,500	2,681,800	230,500	4,199,100
Passengers per Revenue Hour	6.6	2.8	4.1	7.8	5.1
Annual Operating Cost	\$ 3,380,000	\$ 1,410,000	\$ 840,000	\$ 1,280,000	\$ 6,910,000
Annual Fare Revenue	\$ 480,000	\$ 90,000	\$ 490,000	\$ 150,000	\$ 1,210,000
Annual Net Operating Cost	\$ 2,900,000	\$ 1,320,000	\$ 350,000	\$ 1,130,000	\$ 5,700,000
Annual Amortized Capital Cost for Vehicles	\$ 220,000	\$ 90,000	\$ -	\$ -	\$ 310,000
Annual Amortized Capital Cost for Passenger Facilities	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000
Total Annual Amortized Capital Cost	\$ 520,000	\$ 90,000	\$ -	\$ -	\$ 610,000
Total Annual Cost (Net Operating + Capital)	\$ 3,420,000	\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 6,310,000
Sources of Revenue					
Federal Rural	\$ 1,070,000	\$ 410,000	\$ -	\$ -	\$ 1,480,000
Federal Rural Intercity	\$ -	\$ -	\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000	\$ -	\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
State Texas	\$ 220,000	\$ 160,000	\$ -	\$ -	\$ 380,000
State New Mexico	\$ -	\$ -	\$ -	\$ 710,000	\$ 710,000
Local	\$ 1,520,000	\$ 840,000	\$ -	\$ -	\$ 2,360,000
Total Annual Revenue	\$ 3,420,000	\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 6,310,000
Service Characteristics Flexible-Route Local Bus: 6 routes operate Monday - Saturday, 14 hours per day. Route 50 operates 12 hours on weekdays and Saturdays and 10 hours on Sundays. Rural Dial-a-Ride: Four zones of demand-responsive service operate Monday - Saturday, 14 hours per day.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		5.1
			Net Operating Cost per Passenger Boarding		\$8.88
			Percent of Rural El Paso County Population with Transit Access		100%
			Percent of Urbanized El Paso County Population with Transit Access		71%

Note: Some values may not add correctly due to rounding

Scenario 4: Fixed Route Local Bus + ADA Paratransit

Cost Element	Transit Service				
	Fixed-Route Local Bus	ADA Paratransit	Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	286,800	26,300	184,800	51,600	549,500
Peak Vehicles	12	5	78		95
Annual Revenue Hours	52,600	13,100	45,500	6,600	117,900
Annual Revenue Miles	930,000	189,300	2,681,800	230,500	4,031,600
Passengers per Revenue Hour	5.5	2.0	4.1	7.8	4.7
Annual Operating Cost	\$ 3,420,000	\$ 860,000	\$ 840,000	\$ 1,280,000	\$ 6,400,000
Annual Fare Revenue	\$ 400,000	\$ 80,000	\$ 490,000	\$ 150,000	\$ 1,120,000
Annual Net Operating Cost	\$ 3,020,000	\$ 780,000	\$ 350,000	\$ 1,130,000	\$ 5,280,000
Annual Amortized Capital Cost for Vehicles	\$ 220,000	\$ 90,000	\$ -	\$ -	\$ 310,000
Annual Amortized Capital Cost for Passenger Facilities	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000
Total Annual Amortized Capital Cost	\$ 520,000	\$ 90,000	\$ -	\$ -	\$ 610,000
Total Annual Cost (Net Operating + Capital)	\$ 3,540,000	\$ 870,000	\$ 350,000	\$ 1,130,000	\$ 5,890,000
Sources of Revenue					
Federal Rural	\$ 1,360,000	\$ 20,000	\$ -	\$ -	\$ 1,380,000
Federal Rural Intercity	\$ -	\$ -	\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000	\$ -	\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000
State Texas	\$ 390,000	\$ 10,000	\$ -	\$ -	\$ 400,000
State New Mexico	\$ -	\$ -	\$ -	\$ 710,000	\$ 710,000
Local	\$ 1,100,000	\$ 840,000	\$ -	\$ -	\$ 1,940,000
Total Annual Revenue	\$ 3,540,000	\$ 870,000	\$ 350,000	\$ 1,130,000	\$ 5,890,000
Service Characteristics Fixed-Route Local Bus: 6 bus routes operate Monday - Saturday, 14 hours per day. Route 50 operates 12 hours on weekdays and Saturdays and operates 10 hours on Sundays. ADA Paratransit Service: Monday - Saturday, 14 hours per day and 10 hours on Sunday, serving customers near Route 50.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		4.7
			Net Operating Cost per Passenger Boarding		\$9.61
			Percent of Rural El Paso County Population with Transit Access		44%
			Percent of Urbanized El Paso County Population with Transit Access		57%

Note: Some values may not add correctly due to rounding

Scenario 5: Increased Flexible-Route Local Bus + Rural Dial-a-Ride

Cost Element	Transit Service				
	Flexible-Route Local Bus	Rural Dial-a-Ride	Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	496,800	61,300	184,800	51,600	794,500
Peak Vehicles	16	5	78		99
Annual Revenue Hours	64,000	21,700	45,500	6,600	137,900
Annual Revenue Miles	1,094,700	389,500	2,681,800	230,500	4,396,600
Passengers per Revenue Hour	7.8	2.8	4.1	7.8	5.8
Annual Operating Cost	\$ 4,160,000	\$ 1,410,000	\$ 840,000	\$ 1,280,000	\$ 7,690,000
Annual Fare Revenue	\$ 690,000	\$ 90,000	\$ 490,000	\$ 150,000	\$ 1,420,000
Annual Net Operating Cost	\$ 3,470,000	\$ 1,320,000	\$ 350,000	\$ 1,130,000	\$ 6,270,000
Annual Amortized Capital Cost for Vehicles	\$ 300,000	\$ 90,000	\$ -	\$ -	\$ 390,000
Annual Amortized Capital Cost for Passenger Facilities	\$ 490,000	\$ -	\$ -	\$ -	\$ 490,000
Total Annual Amortized Capital Cost	\$ 790,000	\$ 90,000	\$ -	\$ -	\$ 880,000
Total Annual Cost (Net Operating + Capital)	\$ 4,260,000	\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 7,150,000
Sources of Revenue					
Federal Rural	\$ 1,160,000	\$ 410,000	\$ -	\$ -	\$ 1,570,000
Federal Rural Intercity	\$ -	\$ -	\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000	\$ -	\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ 120,000	\$ -	\$ -	\$ -	\$ 120,000
State Texas	\$ 240,000	\$ 130,000	\$ -	\$ -	\$ 370,000
State New Mexico	\$ -	\$ -	\$ -	\$ 710,000	\$ 710,000
Local	\$ 2,230,000	\$ 870,000	\$ -	\$ -	\$ 3,100,000
Total Annual Revenue	\$ 4,260,000	\$ 1,410,000	\$ 350,000	\$ 1,130,000	\$ 7,150,000
Service Characteristics Flexible-Route Local Bus: 7 bus routes operate Monday - Saturday, 14 hours per day. Route 50 operates 12 hours on weekdays and Saturdays and 10 hours on Sundays. Rural Dial-a-Ride: Four zones of demand-responsive service operate Monday - Saturday, 14 hours per day.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		5.8
			Net Operating Cost per Passenger Boarding		\$7.89
			Percent of Rural El Paso County Population with Transit Access		100%
			Percent of Urbanized El Paso County Population with Transit Access		84%

Note: Some values may not add correctly due to rounding

Scenario 6: Increased Flexible-Route Local Bus + Rural/Urban Dial-a-Ride

Cost Element	Transit Service				
	Flexible-Route Local Bus	Rural/Urban Dial-a-Ride	Vanpool	Gold Route Intercity Bus	Total
Annual Passenger Boardings	496,800	73,500	184,800	51,600	806,700
Peak Vehicles	16	6	78		100
Annual Revenue Hours	64,000	26,000	45,500	6,600	142,200
Annual Revenue Miles	1,094,700	467,500	2,681,800	230,500	4,474,500
Passengers per Revenue Hour	7.8	2.8	4.1	7.8	5.7
Annual Operating Cost	\$ 4,160,000	\$ 1,690,000	\$ 840,000	\$ 1,280,000	\$ 7,970,000
Annual Fare Revenue	\$ 690,000	\$ 110,000	\$ 490,000	\$ 150,000	\$ 1,440,000
Annual Net Operating Cost	\$ 3,470,000	\$ 1,580,000	\$ 350,000	\$ 1,130,000	\$ 6,530,000
Annual Amortized Capital Cost for Vehicles	\$ 300,000	\$ 120,000	\$ -	\$ -	\$ 420,000
Annual Amortized Capital Cost for Passenger Facilities	\$ 490,000	\$ -	\$ -	\$ -	\$ 490,000
Total Annual Amortized Capital Cost	\$ 790,000	\$ 120,000	\$ -	\$ -	\$ 910,000
Total Annual Cost (Net Operating + Capital)	\$ 4,260,000	\$ 1,700,000	\$ 350,000	\$ 1,130,000	\$ 7,440,000
Sources of Revenue					
Federal Rural	\$ 1,340,000	\$ 150,000	\$ -	\$ -	\$ 1,490,000
Federal Rural Intercity	\$ -	\$ -	\$ -	\$ 420,000	\$ 420,000
Federal CMAQ	\$ 510,000	\$ -	\$ 350,000	\$ -	\$ 860,000
Federal Urban	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
State Texas	\$ 320,000	\$ 70,000	\$ -	\$ -	\$ 390,000
State New Mexico	\$ -	\$ -	\$ -	\$ 710,000	\$ 710,000
Local	\$ 1,800,000	\$ 1,480,000	\$ -	\$ -	\$ 3,280,000
Total Annual Revenue	\$ 4,260,000	\$ 1,700,000	\$ 350,000	\$ 1,130,000	\$ 7,440,000
Service Characteristics Flexible-Route Local Bus: 7 bus routes operate Monday - Saturday, 14 hours per day. Route 50 operates 12 hours on weekdays and Saturdays and 10 hours on Sundays. Rural/Urban Dial-a-Ride: Four zones of demand-responsive service operate Monday - Saturday, 14 hours per day.			Scenario Performance Measures		
			Passenger Boardings per Revenue Hour		5.7
			Net Operating Cost per Passenger Boarding		\$8.09
			Percent of Rural El Paso County Population with Transit Access		100%
			Percent of Urbanized El Paso County Population with Transit Access		100%

Note: Some values may not add correctly due to rounding