

VEHICLE ACQUISITION

This section summarizes fixed-route and paratransit vehicle acquisition needs for all transit providers within Ventura County. This countywide vehicle acquisition schedule will help allocate funding and assist in asset management.

Data Collection

Nelson\Nygaard staff interviewed planning, operations, or finance staff for each transit provider in Ventura County in April 2014. Each provider subsequently provided detailed vehicle inventory data, including:

- Manufacturer and Model
- Year and In-Service Date
- Fuel Type
- Capacity (Seating, Bike, and Wheelchair)
- Current Mileage

Vehicle Useful Life Assumptions

The useful life of vehicles is based on Federal Transit Administration *Circular 5010.1D – Useful Life Policy*. The following table summarizes the useful life of vehicles based on years of service and mileage accumulated.

Figure 47 Vehicle Useful Life Guidelines

Category	Length	Years	Miles
Large, heavy-duty transit buses including over the road buses	35-45'	12	500,000
Small size, heavy-duty transit buses	30'	10	350,000
Trolley-replica buses	30'	10	350,000
Medium-size, medium-duty transit buses	25-35'	7	200,000
Medium-size, light-duty transit buses	25-35'	5	150,000
Other light-duty vehicles such as vans and sedans	N/A	4	100,000

The Federal Transit Administration *Useful Life of Transit Buses and Vans* Report was utilized to provide guidance on diesel buses with considerably lower than average annual mileage. The Ventura County Transportation Commission will examine both vehicle year and mileage prior to allocate acquisition funding.

Vehicle Ownership

The following table describes the vehicle ownership status for each service provider.

Figure 48 Vehicle Ownership Status for Fixed-Route Service Providers

Service Provider	Vehicle	Status
Gold Coast Transit	35', 40'	Owens vehicles
VCTC Intercity	45'	Owens and leases vehicles
Simi Valley	35', 40'	Owens vehicles
Thousand Oaks Transit	Cutaway, 30', 35'	Owens vehicles
Valley Express	Cutaway	Owens vehicles
Ojai	Trolley Bus	Owens vehicles
Moorpark	28', 32'	Owens vehicles
Kanan Shuttle	Cutaway	Leases vehicles
Camarillo Area Transit	Cutaway	Owens vehicle
Camarillo Area Transit	Trolley Bus	Leases vehicle

Figure 49 Vehicle Ownership Status for Fixed-Route Service Providers

Service Provider	Vehicle	Status
Gold Coast Paratransit	Cutaways, Vans	Owens vehicles
Valley Express DAR	Cutaway	Owens vehicles
Simi Valley	Cutaway, Sedan	Owens vehicles
Thousand Oaks Transit	Cutaway	Owens vehicles
Thousand Oaks Transit	Minivan	Leases vehicles
Camarillo Area Transit	Cutaway, Minivan	Owens vehicles
Oak Park DAR	Cutaway	Leases vehicles
Harbor & Beaches DAR	Cutaway	Owens vehicles

Vehicle Acquisition Schedules

Acquisition schedules were developed for each transit provider, projecting the annual number of vehicles required by type. The fixed route vehicle acquisition schedule extends to FY 2027/2028, while the paratransit vehicle acquisition schedule extends to FY 2019/2020.

Recently approved vehicle purchases are included for Gold Coast Transit, VCTC Intercity, Simi Valley Transit and Paratransit, Valley Express fixed route and DAR, Thousand Oaks DAR, and Camarillo Area Paratransit. The VCTC Intercity vehicle acquisition schedule includes expansion vehicles based initial 5-year plan concepts.

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Figure 50 Gold Coast Transit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion 40' Buses		5	5	4	4		4		4	4					30
Expansion 35' Buses															
Replacement 40' Buses	8	3		9	9	8									29
Replacement 35' Buses							9	8							17
Returning 40' Buses	29	34	42	38	42	47	55	59	59	63	67	67	67	67	
Returning 35' Buses	17	17	17	17	17	17	8	9	17	17	17	17	17	17	
Total 40' Buses	37	42	47	51	55	55	59	59	63	67	67	67	67	67	59
Total 35' Buses	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Total Fleet	54	59	64	68	72	72	76	76	80	84	84	84	84	84	

Figure 51 VCTC Intercity - Vehicle Acquisition

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Purchased Expansion 45' Buses		1	1	1	1										4
Purchased Replacement 45' Buses	14					2	3				11		14	1	31
Purchased Returning 45' Buses		14	15	16	17	18	20	23	23	23	23	34	20	33	
Leased Returning 45' Buses	16	16	16	16	16	14	11	11	11	11					
Total 45' Buses	30	31	32	33	34	34	34	34	34	34	34	34	34	34	35

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Figure 52 Simi Valley Transit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion 40' Buses															
Expansion 35' Buses															
Replacement 40' Buses	3		2						3				3		8
Replacement 35' Buses	3												3		3
Returning 40' Buses	5	8	6	8	8	8	8	8	5	8	8	8	5	8	
Returning 35' Buses		3	3	3	3	3	3	3	3	3	3	3		3	
Total 40' Buses	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Total 35' Buses	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Fleet	11	11	11	11	11	11	11	11	11	11	11	11	11	11	

Figure 53 Thousand Oaks Transit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion 30'/35' Buses		2		2											4
Expansion Cutaways															
Replacement 30'/35' Buses			2			4						2	2	2	12
Replacement Cutaways			1					1					1		3
Returning 30'/35' Buses	8	8	8	10	12	8	12	12	12	12	12	10	10	10	
Returning Cutaways	1	1		1	1	1	1		1	1	1	1		1	
Total 30'/35' Buses	8	10	10	12	12	12	12	12	12	12	12	12	12	12	16
Total Cutaways	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Total Fleet	9	11	11	13	13	13	13	13	13	13	13	13	13	13	

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Figure 54 Valley Express - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion 26' Cutaways	5														
Replacement 26' Cutaways						5					5				10
Returning 26' Cutaways		5	5	5	5		5	5	5	5		5	5	5	
Total Cutaways	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10

Figure 55 Ojai Trolley - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion Trolleys															
Replacement Trolleys			1		1			1			1				4
Returning Trolleys	5	5	4	5	4	5	5	4	5	5	4	5	5	5	
Total Trolleys	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4

Figure 56 Moorpark Transit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion 32' Buses															
Expansion 28' Buses															
Replacement 32' Buses		2							3					2	7
Replacement 28' Buses															
Returning 32' Buses	3	3	5	5	5	5	5	5	2	5	5	5	5	3	
Returning 28' Buses	2														
Total 32' Buses	3	5	5	5	5	5	5	5	5	5	5	5	5	5	7
Total 28' Buses	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fleet	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

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Figure 57 Kanan Shuttle - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion Cutaways (Leased)		1													1
Replacement Cutaways (Leased)					3	1			3	1			3		11
Returning Cutaways (Leased)	3	3	4	4	1	3	4	4	1	3	4	4	1	4	
Total Cutaways	3	4	4	4	4	4	4	4	4	4	4	4	4	4	12

Figure 58 Camarillo Area Transit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required
Expansion Cutaway															
Replacement Cutaway		1					1					1			3
Returning Cutaway	1		1	1	1	1		1	1	1	1		1	1	
Leased Trolley Bus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total Cutaways	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Total Trolley Buses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
Total Fleet	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

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Figure 59 Gold Coast Paratransit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways							
Expansion Vans			1				1
Replacement Cutaways		5				5	10
Replacement Vans	8	11			8	11	30
Returning Cutaways	16		5	5	5		
Returning Vans		8	19	20	12	9	
Total Cutaways	16	5	5	5	5	5	10
Total Vans	8	19	20	20	20	20	31
Total Fleet	24	24	25	25	25	25	

Figure 60 Valley Express Dial-a-ride - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion 23' Cutaways	5						
Expansion 25' Cutaways	5						
Replacement 23' Cutaways					5		5
Replacement 25' Cutaways					5		5
Returning 23' Cutaways		5	5	5		5	
Returning 25' Cutaways		5	5	5		5	
Total Cutaways	5	5	5	5	5	5	5
Total Vans	5	5	5	5	5	5	5
Total Fleet	10	10	10	10	10	10	10

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Figure 61 Simi Valley Paratransit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways							
Expansion Sedans							
Replacement Cutaways	6	5					5
Replacement Sedans	1						
Returning Cutaways	5	6	11	11	11	11	
Returning Sedans		1	1	1	1	1	
Total Cutaways	11	11	11	11	11	11	5
Total Sedans	1	1	1	1	1	1	0
Total Fleet	12	12	12	12	12	12	

Figure 62 Thousand Oaks Paratransit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways	4						
Expansion Minivans (Leased)							
Replacement Cutaways					8	4	12
Replacement Minivans (Leased)				13			13
Returning Cutaways	8	12	12	12	4	8	
Returning Minivans (Leased)	13	13	13		13	13	
Total Cutaways	12	12	12	12	12	12	12
Total Minivans	13	13	13	13	13	13	13
Total Fleet	25	25	25	25	25	25	

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Figure 63 Camarillo Area Paratransit - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways			1		1		2
Expansion Minivans	1		1		1		2
Replacement Cutaways	1	2	2			1	5
Replacement Minivans		2		2		2	6
Returning Cutaways	5	4	4	7	7	7	
Returning Minivans	4	3	5	4	6	5	
Total 35' Buses	6	6	7	7	8	8	7
Total Cutaways	5	5	6	6	7	7	8
Total Fleet	11	11	13	13	15	15	

Figure 64 Oak Park Dial-a-ride - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways (Leased)							
Replacement Cutaways (Leased)			2				2
Returning Cutaways (Leased)	2	2		2	2	2	
Total Vans	2	2	2	2	2	2	2

Figure 65 Harbor & Beaches Dial-a-ride - Vehicle Acquisition Schedule

Provider	Current	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required
Expansion Cutaways							
Replacement Cutaways			2				2
Returning Cutaways	2	2		2	2	2	
Total Cutaways	2	2	2	2	2	2	2

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Figure 66 Countywide Fixed-Route Transit Vehicle Acquisition Needs

Provider	Vehicle	Current Fleet	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	Total Vehicles Required	Expansion Vehicles
Gold Coast Transit	40' Bus	37	8	5	13	13	8	4	0	4	4	0	0	0	0	59	30
Gold Coast Transit	35' Bus	17	0	0	0	0	0	9	8	0	0	0	0	0	0	17	0
VTCT Intercity Transit	45' Bus	30	1	1	1	1	2	3	0	0	0	11	0	14	1	35	4
Simi Valley	40' Bus	8	0	2	0	0	0	0	0	3	0	0	0	3	0	8	0
Simi Valley	35' Bus	3	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0
Thousand Oaks Transit	30-35' Bus	8	2	2	2	0	4	0	0	0	0	0	2	2	2	16	4
Thousand Oaks Transit	Large Cutaway (LF)	8	0	1	0	0	0	0	1	0	0	0	0	1	0	3	0
Valley Express	Large Cutaway (LF)	5	0	0	0	0	5	0	0	0	0	5	0	0	0	10	0
Ojai Trolley	Trolley Bus	5	0	1	0	1	0	0	1	0	0	1	0	0	0	4	0
Moorpark Transit	32' Bus	5	2	0	0	0	0	0	0	3	0	0	0	0	2	7	0
Kanan Shuttle	Small Cutaway	3	Leased													-	1
Camarillo Area Transit	Large Cutaway (LF)	1	0	1	0	0	0	0	1	0	0	0	0	1	0	3	0
Total		130	13	13	16	15	19	16	11	10	4	17	2	24	5	165	39

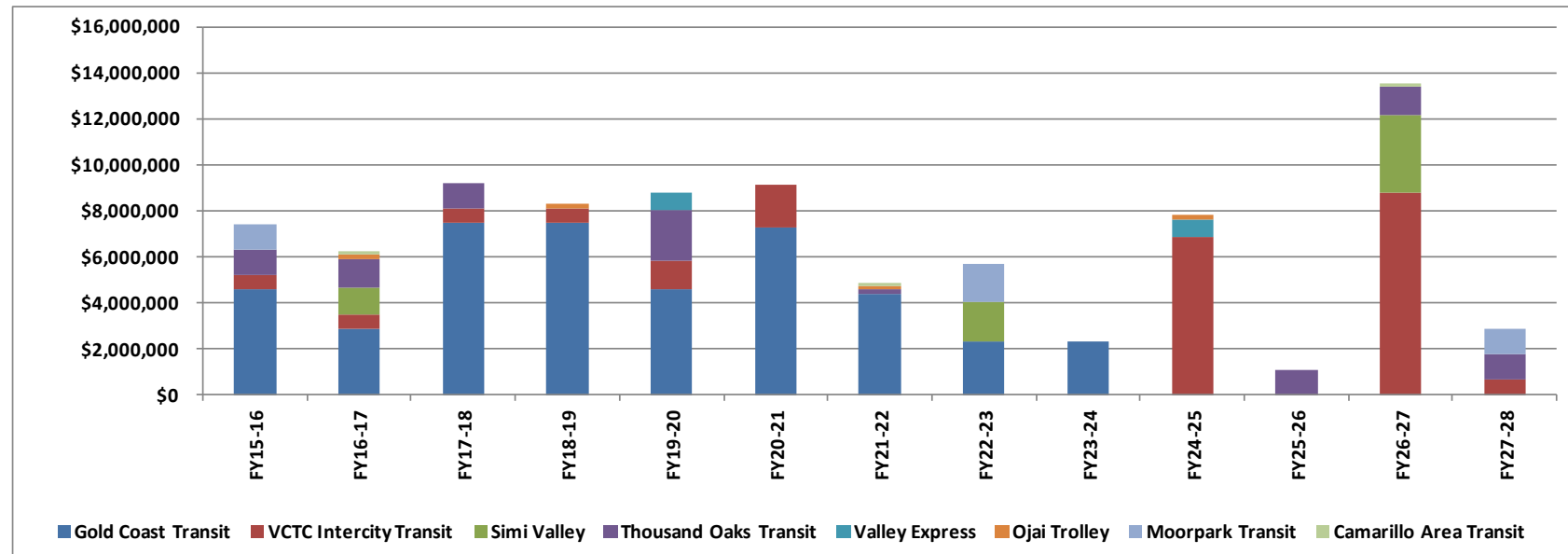
Figure 67 Countywide Paratransit/Dial-a-Ride Vehicle Acquisition Needs

Provider	Vehicle	Current Fleet	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	Total Vehicles Required	Expansion Vehicles
Gold Coast Paratransit	Small Cutaway	16	5	0	0	0	5	10	0
Gold Coast Paratransit	Van	8	11	1	0	8	11	31	1
Valley Express DAR	Small Cutaway	5	0	0	0	5	0	5	0
Valley Express DAR	Large Cutaway	5	0	0	0	5	0	5	0
Simi Valley Paratransit	Small Cutaway	11	5	0	0	0	0	5	0
Simi Valley Paratransit	Sedan	1	0	0	0	0	0	0	0
Thousand Oaks Paratransit	Small Cutaway	12	4	0	0	0	8	12	0
Thousand Oaks Paratransit	Minivan	Leased						-	0
Camarillo Paratransit	Large Cutaway	6	2	3	0	1	1	7	2
Camarillo Paratransit	Minivan	5	2	1	2	1	2	8	2
Oak Park DAR	Small Cutaway	Leased						-	0
Harbor & Beaches DAR	Small Cutaway	2	0	2	0	0	0	2	0
Total		71	29	7	2	20	27	85	5

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Figure 68 Countywide Fixed-Route Transit Vehicle Acquisition Costs

Provider	Vehicle	Cost	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Gold Coast Transit	40' Bus	\$575,000	\$4,600,000	\$2,875,000	\$7,475,000	\$7,475,000	\$4,600,000	\$2,300,000	\$0	\$2,300,000	\$2,300,000	\$0	\$0	\$0	\$0
Gold Coast Transit	35' Bus	\$550,000	\$0	\$0	\$0	\$0	\$0	\$4,950,000	\$4,400,000	\$0	\$0	\$0	\$0	\$0	\$0
VCTC Intercity Transit	45' Bus	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$1,250,000	\$1,875,000	\$0	\$0	\$0	\$6,875,000	\$0	\$8,750,000	\$625,000
Simi Valley	40' Bus	\$575,000	\$0	\$1,150,000	\$0	\$0	\$0	\$0	\$0	\$1,725,000	\$0	\$0	\$0	\$1,725,000	\$0
Simi Valley	35' Bus	\$550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,650,000	\$0
Thousand Oaks Transit	30-35' Bus	\$550,000	\$1,100,000	\$1,100,000	\$1,100,000	\$0	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$1,100,000	\$1,100,000	\$1,100,000
Thousand Oaks Transit	Large Cutaway (LF)	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Valley Express	Large Cutaway (LF)	\$150,000	\$0	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0
Ojai Trolley	Trolley Bus	\$175,000	\$0	\$175,000	\$0	\$175,000	\$0	\$0	\$175,000	\$0	\$0	\$175,000	\$0	\$0	\$0
Moorpark Transit	32' Bus	\$550,000	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,650,000	\$0	\$0	\$0	\$0	\$1,100,000
Kanan Shuttle	Small Cutaway	-	Leased												
Camarillo Area Transit	Large Cutaway (LF)	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Total			\$7,425,000	\$6,225,000	\$9,200,000	\$8,275,000	\$8,800,000	\$9,125,000	\$4,875,000	\$5,675,000	\$2,300,000	\$7,800,000	\$1,100,000	\$13,525,000	\$2,825,000



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Figure 69 Countywide Paratransit/Dial-a-Ride Vehicle Acquisition Costs

Provider	Vehicle	Cost	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20
Gold Coast Paratransit	Small Cutaway	\$85,000	\$425,000	\$0	\$0	\$0	\$425,000
Gold Coast Paratransit	Van	\$60,000	\$660,000	\$60,000	\$0	\$480,000	\$660,000
Valley Express DAR	Small Cutaway	\$85,000	\$0	\$0	\$0	\$425,000	\$0
Valley Express DAR	Large Cutaway	\$105,000	\$0	\$0	\$0	\$525,000	\$0
Simi Valley Paratransit	Small Cutaway	\$85,000	\$425,000	\$0	\$0	\$0	\$0
Simi Valley Paratransit	Sedan	\$30,000	\$0	\$0	\$0	\$0	\$0
Thousand Oaks Paratransit	Small Cutaway	\$85,000	\$340,000	\$0	\$0	\$0	\$680,000
Thousand Oaks Paratransit	Minivan	-	Leased				
Camarillo Paratransit	Large Cutaway	\$105,000	\$210,000	\$315,000	\$0	\$105,000	\$105,000
Camarillo Paratransit	Minivan	\$45,000	\$90,000	\$45,000	\$90,000	\$45,000	\$90,000
Oak Park DAR	Small Cutaway	-	Leased				
Harbor & Beaches DAR	Small Cutaway	\$85,000	\$0	\$170,000	\$0	\$0	\$0
Total			\$2,150,000	\$590,000	\$90,000	\$1,580,000	\$1,960,000

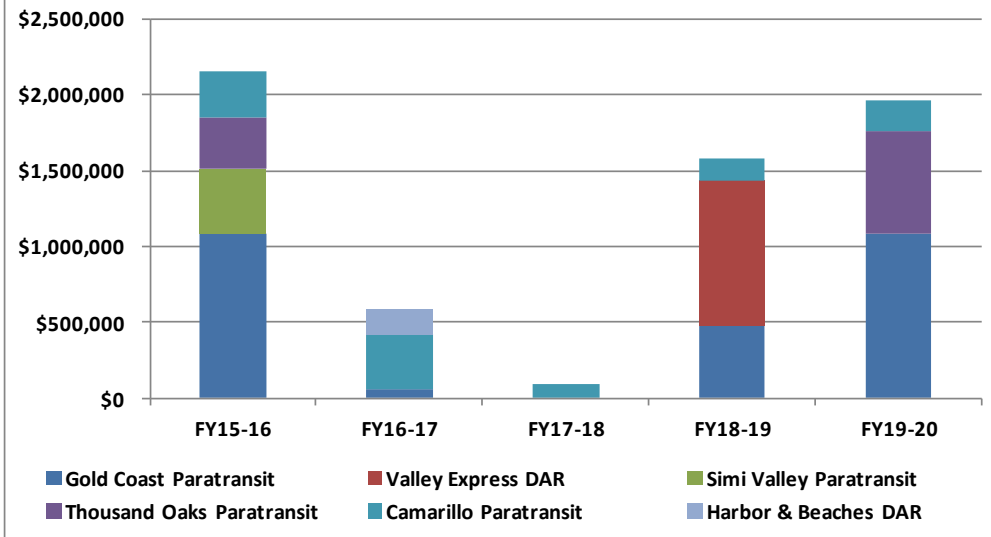


Figure 70 Vehicle Cost Assumptions

Vehicle	Fuel	Price
Sedan	Gasoline	\$30,000
Minivan	Gasoline	\$45,000
Van	Gasoline	\$60,000
Small Cutaway	CNG	\$85,000
Small Cutaway (Low-Floor)	CNG	\$120,000
Large Cutaway	CNG	\$105,000
Large Cutaway (Low-Floor)	CNG	\$150,000
Trolley	Diesel	\$175,000
30' Bus	CNG	\$500,000
35' Bus	CNG	\$550,000
40' Bus	CNG	\$575,000
45' Coach	Diesel	\$625,000

Note: Pricing assumptions based on recent vehicle acquisitions by transit operators in Ventura County and California Association for Coordinated Transportation 2014 Purchasing Schedule