
Calculated ADT Volumes by Scenario

**Masters College Master Plan
Off-Site Modeled Noise Conditions**

Existing Conditions												
ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	
									Medium Trucks	Heavy Trucks		
SAN FERNANDO ROAD												
	w/o 13th Street	4	14	30,000	45	75	0.5	0	8.0%	2.0%	70.8	
		4	14	50,000	45	75	0.5	0	8.0%	2.0%	73.0	
	w/o Sierra Highway (Mixed Residential)	6	14	45,000	45	100	0.5	-5	8.0%	2.0%	65.8	
LYONS AVENUE												
	w/o Newhall Avenue	4	14	38,000	45	75	0.5	0	8.0%	2.0%	71.8	
	w/o San Fernando Road (School)	4	14	30,000	45	75	0.5	-5	8.0%	2.0%	65.8	
PLACERITA CANYON ROAD												
	w/o Meadview (Church)	4	14	4,000	45	75	0.5	0	8.0%	2.0%	62.0	
	w/o Sierra Highway (Single Family Residential)	4	14	2,000	45	75	0.5	0	8.0%	2.0%	59.0	
12th STREET												
	s/o Placeritos Boulevard (Single Family Residential)	4	0	3,000	35	75	0.5	0	8.0%	2.0%	58.2	
PLACERITOS BOULEVARD												
	w/o Meadview (Single Family Residential)	4	14	2,000	35	75	0.5	0	8.0%	2.0%	56.6	
DOCKWEILER ROAD												
	w/o Sierra Highway (Multi-Family Residential)	4	14	5,000	45	75	0.5	-5	8.0%	2.0%	58.0	
	w/o Project Site	4	14		45	75	0.5	0	8.0%	2.0%	#NUM!	
VALLE DEL ORO												
	n/o San Fernando Road (Multi-Family Residential)	4	14	8,000	45	100	0.5	-5	8.0%	2.0%	58.0	
SIERRA HIGHWAY												
	s/o San Fernando Road	6	14	13,000	45	75	0.5	0	8.0%	2.0%	67.7	
	s/o Dockweiler Road	6	14	16,000	45	75	0.5	0	8.0%	2.0%	68.6	
	s/o Placerita Canyon Road	4	14	16,000	45	75	0.5	0	8.0%	2.0%	68.0	
	n/o Placerita Canyon Road	4	14	27,000	45	75	0.5	0	8.0%	2.0%	70.3	
DEPUTY JAKE ROAD												
	w/o Valle del Oro (Single Family Residential)	4	0		40	75	0.5	0	8.0%	2.0%	#NUM!	
n/a = data not available												
(1) Distance to centerline of roadway.												
Assumed 24-Hour Traffic Distribution:												
		Day	Evening	Night								
Total ADT Volumes		65.00%	25.00%	10.00%								
Medium-Duty Trucks		90.00%	9.00%	1.00%								
Heavy-Duty Trucks		95.00%	4.00%	1.00%								

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Interim Year Without Project											
ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL
									Medium Trucks	Heavy Trucks	
SAN FERNANDO ROAD											
	w/o 13th Street	4	14	37,000	45	75	0.5	0	8.0%	2.0%	71.7
	w/o Valle del Oro	4	14	49,000	45	75	0.5	0	8.0%	2.0%	72.9
	w/o Sierra Highway (Mixed Residential)	6	14	49,000	45	100	0.5	-5	8.0%	2.0%	66.1
LYONS AVENUE											
	w/o Newhall Avenue	4	14	47,000	45	75	0.5	0	8.0%	2.0%	72.7
	w/o San Fernando Road (School)	4	14	35,000	45	75	0.5	-5	8.0%	2.0%	66.4
PLACERITA CANYON ROAD											
	w/o Meadview (Church)	4	14	4,000	45	75	0.5	0	8.0%	2.0%	62.0
	w/o Sierra Highway (Single Family Residential)	4	14	2,000	45	75	0.5	0	8.0%	2.0%	59.0
12th STREET											
	s/o Placeritos Boulevard (Single Family Residential)	4	0	3,000	35	75	0.5	0	8.0%	2.0%	58.2
PLACERITOS BOULEVARD											
	w/o Meadview (Single Family Residential)	4	14	2,000	35	75	0.5	0	8.0%	2.0%	56.6
DOCKWEILER ROAD											
	w/o Sierra Highway (Multi-Family Residential)	4	14	6,000	45	75	0.5	-5	8.0%	2.0%	58.8
	w/o Project Site	4	14		45	75	0.5	0	8.0%	2.0%	#NUM!
VALLE DEL ORO											
	n/o San Fernando Road (Multi-Family Residential)	4	14	10,000	45	100	0.5	-5	8.0%	2.0%	59.0
SIERRA HIGHWAY											
	s/o San Fernando Road	6	14	27,000	45	75	0.5	0	8.0%	2.0%	70.8
	s/o Dockweiler Road	6	14	9,000	45	75	0.5	0	8.0%	2.0%	66.1
	s/o Placerita Canyon Road	4	14	25,000	45	75	0.5	0	8.0%	2.0%	70.0
	n/o Placerita Canyon Road	4	14	37,000	45	75	0.5	0	8.0%	2.0%	71.7
DEPUTY JAKE ROAD											
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VALLE DEL ORO											
	n/o San Fernando Road (Multi-Family Residential)	4	14	11,000	45	100	0.5	-5	8.0%	2.0%	59.4
SIERRA HIGHWAY											
	s/o San Fernando Road	6	14	27,000	45	75	0.5	0	8.0%	2.0%	70.8
	s/o Dockweiler Road	6	14	9,000	45	75	0.5	0	8.0%	2.0%	66.1
	s/o Placerita Canyon Road	4	14	26,000	45	75	0.5	0	8.0%	2.0%	70.2
	n/o Placerita Canyon Road	4	14	37,000	45	75	0.5	0	8.0%	2.0%	71.7
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	w/o Valle del Oro (Single Family Residential)	4	0		40	75	0.5	0	8.0%	2.0%	#NUM!
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