

Vista Canyon Ranch
CNEL at Off-Site Noise-Sensitive Land Uses
Cumulative Existing Conditions

ROADWAY NAME Segment	Number of Lanes in Each Direction	Median Width	ADT Volume	Design Speed (mph)	Distance From Edge of Pavemt	Alpha (1) Factor	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL
								Medium Trucks	Heavy Trucks	
ROADWAY										
SR 14 - North of I-5	5	0	291,610	65	100	0.25	-5	2.8%	2.8%	73.0
SR 14 - North of San Fernando Rd/SR 126 interchange	4	0	278,610	65	100	0.25	-5	2.8%	2.8%	73.2
SR 14 - Between Golden Valley Rd and Via Princessa/Sierra Hwy	4	0	294,090	65	100	0.25	-5	2.8%	2.8%	73.4
SR 14 - Between Via Princessa/Sierra Hwy and Sand Canyon Rd	3	0	267,210	65	100	0.25	-5	2.8%	2.8%	73.4
SR 14 - North of Sand Canyon Rd interchange	2	0	223,890	65	100	0.25	-5	2.8%	2.8%	73.0
Soledad Canyon Rd - West of Golden Valley Rd	3	0	63,700	50	75	0.25	0	1.8%	0.7%	69.6
Soledad Canyon Rd - Between Golden Valley Rd and Whites Canyon Rd	3	0	50,600	50	75	0.25	0	1.8%	0.7%	68.6
Soledad Canyon Rd - Between Whites Canyon Rd and Sierra Hwy	3	0	53,500	50	75	0.25	0	1.8%	0.7%	68.9
Soledad Canyon Rd - Between Sierra Hwy and Vista Canyon Rd	2	0	35,000	50	75	0.25	0	1.8%	0.7%	67.5
Soledad Canyon Rd - Between Vista Canyon Rd and Sand Canyon Rd	2	0	31,300	50	75	0.25	0	1.8%	0.7%	67.1
Soledad Canyon Rd - East of Sand Canyon Rd	2	0	30,000	50	75	0.25	0	1.8%	0.7%	66.9
Lost Canyon Rd - Between Via Princessa and Canyon Park Blvd	2	0	12,500	35	75	0.25	0	1.8%	0.7%	59.1
Lost Canyon Rd - Between Canyon Park Blvd and Jakes Way	2	0	12,500	35	75	0.25	0	1.8%	0.7%	59.1
Lost Canyon Rd - Between La Veda Avenue and Sand Canyon Rd	1	0	1,500	35	75	0.25	0	1.8%	0.7%	50.5
Sand Canyon Rd - Between Sierra Hwy and Soledad Canyon Rd	2	0	20,300	45	75	0.25	0	1.8%	0.7%	64.0
Sand Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd	2	0	32,800	45	75	0.25	0	1.8%	0.7%	66.1
Sand Canyon Rd - Between Lost Canyon Rd and Alamo Canyon Dr	1	0	13,200	45	75	0.25	0	1.8%	0.7%	62.7
Sand Canyon Rd - Alamo Canyon Dr and Placerita Canyon Rd	1	0	4,400	45	75	0.25	0	1.8%	0.7%	58.0
Via Princessa - West of Whites Canyon Rd	2	0	34,800	35	75	0.25	0	1.8%	0.7%	63.6
Via Princessa - Between Whites Canyon Rd and Sierra Hwy	2	0	41,100	35	75	0.25	0	1.8%	0.7%	64.3
Via Princessa - Between Sierra Hwy and SR 14	3	0	33,200	35	75	0.25	0	1.8%	0.7%	62.9
Via Princessa - Between SR 14 and Lost Canyon Rd	2	0	16,900	35	75	0.25	0	1.8%	0.7%	60.4
Via Princessa - South of Lost Canyon Rd	2	0	7,300	35	75	0.25	0	1.8%	0.7%	56.8
Sierra Highway - Between Golden Valley Rd and Via Princessa	2	0	42,900	45	75	0.25	0	1.8%	0.7%	67.2
Sierra Highway - Between Via Princessa and Canyon Park Blvd	3	0	49,200	45	75	0.25	0	1.8%	0.7%	67.3
Sierra Highway - Between Canyon Park Blvd and Soledad Canyon Rd	3	0	47,800	45	75	0.25	0	1.8%	0.7%	67.2
Sierra Highway - Between Soledad Canyon Rd and Skyline Ranch Rd	2	0	46,100	45	75	0.25	0	1.8%	0.7%	67.5
Sierra Highway - North of Sand Canyon Rd	1	0	16,500	45	75	0.25	0	1.8%	0.7%	63.7
Skyline Ranch Rd - North of Sierra Hwy	2	0	13,400	35	75	0.25	0	1.8%	0.7%	59.4
Whites Canyon Rd - Between Via Princessa and Soledad Canyon Rd	3	0	37,800	35	75	0.25	0	1.8%	0.7%	63.4
Jakes Way - East of Canyon Park Blvd	1	0	6,000	40	75	0.25	0	1.8%	0.7%	58.0
Golden Valley Rd - South of Newhall Ranch Rd	3	0	35,800	35	75	0.25	0	1.8%	0.7%	63.2
Golden Valley Rd - South of SR 14	2	0	28,600	35	75	0.25	0	1.8%	0.7%	62.7
Placerita Canyon Rd - Between Delden Rd and Ravenhill Rd	1	0	11,600	50	75	0.25	0	1.8%	0.7%	63.4
Placerita Canyon Rd - Ravenhill Rd and Sand Canyon Rd	1	0	7,300	50	75	0.25	0	1.8%	0.7%	61.4
Sandy Dr - Between Sierra Hwy and Jakes Way	1	0	6,000	35	75	0.25	0	1.8%	0.7%	56.6
Canyon Park Blvd - Between Sierra Hwy and SR 14	2	0	7,900	35	75	0.25	0	1.8%	0.7%	57.1
Lost Canyon Rd - Between Jakes Way and Vista Canyon Rd (on-site)	2	0	n/a	35	75	0.25	0	1.8%	0.7%	n/a
Vista Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd. (on-site)	1	0	n/a	35	75	0.25	0	1.8%	0.7%	n/a

Notes:

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site, such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such, as heavily vegetated ground cover.

Assumed 24-Hour Traffic Distribution:

	Day	Evening	Night	Total
Total ADT Volumes	77.70%	12.70%	9.60%	100.00%
Medium-Duty Trucks	87.43%	5.05%	7.52%	100.00%
Heavy-Duty Trucks	89.10%	2.84%	8.06%	100.00%

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ROADWAY NAME Segment	Number of Lanes in Each Direction	Median Width	ADT Volume	Design Speed (mph)	Distance From Edge of Pavemt	Alpha (1) Factor	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL
								Medium Trucks	Heavy Trucks	
ROADWAY										
SR 14 - North of I-5	5	0	297,890	65	100	0.25	-5	2.8%	2.8%	73.1
SR 14 - North of San Fernando Rd/SR 126 interchange	4	0	284,890	65	100	0.25	-5	2.8%	2.8%	73.3
SR 14 - Between Golden Valley Rd and Via Princessa/Sierra Hwy	4	0	300,370	65	100	0.25	-5	2.8%	2.8%	73.5
SR 14 - Between Via Princessa/Sierra Hwy and Sand Canyon Rd	3	0	267,460	65	100	0.25	-5	2.8%	2.8%	73.4
SR 14 - North of Sand Canyon Rd interchange	2	0	229,310	65	100	0.25	-5	2.8%	2.8%	73.1
Soledad Canyon Rd - West of Golden Valley Rd	3	0	63,600	50	75	0.25	0	1.8%	0.7%	69.6
Soledad Canyon Rd - Between Golden Valley Rd and Whites Canyon Rd	3	0	52,100	50	75	0.25	0	1.8%	0.7%	68.8
Soledad Canyon Rd - Between Whites Canyon Rd and Sierra Hwy	3	0	55,300	50	75	0.25	0	1.8%	0.7%	69.0
Soledad Canyon Rd - Between Sierra Hwy and Vista Canyon Rd	2	0	40,900	50	75	0.25	0	1.8%	0.7%	68.2
Soledad Canyon Rd - Between Vista Canyon Rd and Sand Canyon Rd	2	0	34,100	50	75	0.25	0	1.8%	0.7%	67.4
Soledad Canyon Rd - East of Sand Canyon Rd	2	0	30,600	50	75	0.25	0	1.8%	0.7%	67.0
Lost Canyon Rd - Between Via Princessa and Canyon Park Blvd	2	0	19,500	35	75	0.25	0	1.8%	0.7%	61.1
Lost Canyon Rd - Between Canyon Park Blvd and Jakes Way	2	0	19,500	35	75	0.25	0	1.8%	0.7%	61.1
Lost Canyon Rd - Between La Veda Avenue and Sand Canyon Rd	1	0	5,200	35	75	0.25	0	1.8%	0.7%	55.9
Sand Canyon Rd - Between Sierra Hwy and Soledad Canyon Rd	2	0	22,800	45	75	0.25	0	1.8%	0.7%	64.5
Sand Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd	2	0	32,900	45	75	0.25	0	1.8%	0.7%	66.1
Sand Canyon Rd - Between Lost Canyon Rd and Alamo Canyon Dr	1	0	13,700	45	75	0.25	0	1.8%	0.7%	62.9
Sand Canyon Rd - Alamo Canyon Dr and Placerita Canyon Rd	1	0	4,100	45	75	0.25	0	1.8%	0.7%	57.7
Via Princessa - West of Whites Canyon Rd	2	0	34,400	35	75	0.25	0	1.8%	0.7%	63.5
Via Princessa - Between Whites Canyon Rd and Sierra Hwy	2	0	42,000	35	75	0.25	0	1.8%	0.7%	64.4
Via Princessa - Between Sierra Hwy and SR 14	3	0	33,700	35	75	0.25	0	1.8%	0.7%	62.9
Via Princessa - Between SR 14 and Lost Canyon Rd	2	0	22,300	35	75	0.25	0	1.8%	0.7%	61.6
Via Princessa - South of Lost Canyon Rd	2	0	8,400	35	75	0.25	0	1.8%	0.7%	57.4
Sierra Highway - Between Golden Valley Rd and Via Princessa	2	0	43,700	45	75	0.25	0	1.8%	0.7%	67.3
Sierra Highway - Between Via Princessa and Canyon Park Blvd	3	0	48,600	45	75	0.25	0	1.8%	0.7%	67.3
Sierra Highway - Between Canyon Park Blvd and Soledad Canyon Rd	3	0	46,600	45	75	0.25	0	1.8%	0.7%	67.1
Sierra Highway - Between Soledad Canyon Rd and Skyline Ranch Rd	2	0	46,500	45	75	0.25	0	1.8%	0.7%	67.6
Sierra Highway - North of Sand Canyon Rd	1	0	16,500	45	75	0.25	0	1.8%	0.7%	63.7
Skyline Ranch Rd - North of Sierra Hwy	2	0	13,900	35	75	0.25	0	1.8%	0.7%	59.6
Whites Canyon Rd - Between Via Princessa and Soledad Canyon Rd	3	0	37,200	35	75	0.25	0	1.8%	0.7%	63.4
Jakes Way - East of Canyon Park Blvd	1	0	7,500	40	75	0.25	0	1.8%	0.7%	59.0
Golden Valley Rd - South of Newhall Ranch Rd	3	0	36,400	35	75	0.25	0	1.8%	0.7%	63.3
Golden Valley Rd - South of SR 14	2	0	28,300	35	75	0.25	0	1.8%	0.7%	62.7
Placerita Canyon Rd - Between Delden Rd and Ravenhill Rd	1	0	11,200	50	75	0.25	0	1.8%	0.7%	63.2
Placerita Canyon Rd - Ravenhill Rd and Sand Canyon Rd	1	0	7,000	50	75	0.25	0	1.8%	0.7%	61.2
Sandy Dr - Between Sierra Hwy and Jakes Way	1	0	6,500	35	75	0.25	0	1.8%	0.7%	56.9
Canyon Park Blvd - Between Sierra Hwy and SR 14	2	0	8,500	35	75	0.25	0	1.8%	0.7%	57.5
Lost Canyon Rd - Between Jakes Way and Vista Canyon Rd (on-site)	2	0	12,000	35	75	0.25	0	1.8%	0.7%	59.0
Vista Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd. (on-site)	1	0	9,200	35	75	0.25	0	1.8%	0.7%	58.4

Notes:

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	Day	Evening	Night	Total
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Heavy-Duty Trucks	89.10%	2.84%	8.06%	100.00%