



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

ROADWAY NAME Segment	Noise-Sensitive Land Use	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)
ROADWAY								
SR 14 - North of I-5	highway	5	0	169,000	65	100	0.25	-5
SR 14 - North of San Fernando Rd/SR 126 interchange	highway	4	0	156,000	65	100	0.25	-5
SR 14 - Between Golden Valley Rd and Via Princessa/Sierra Hwy	highway	4	0	148,000	65	100	0.25	-5
SR 14 - Between Via Princessa/Sierra Hwy and Sand Canyon Rd	highway	3	0	118,000	65	100	0.25	-5
SR 14 - North of Sand Canyon Rd interchange	highway	2	0	107,000	65	100	0.25	-5
Soledad Canyon Rd - Between Sierra Hwy and Vista Canyon Rd	residential	2	0	24,500	50	75	0.25	0
Soledad Canyon Rd - Between Vista Canyon Rd and Sand Canyon Rd	commercial/retail	2	0	24,500	50	75	0.25	0
Soledad Canyon Rd - East of Sand Canyon Rd	commercial/retail	2	0	24,500	50	75	0.25	0
Lost Canyon Rd - Between Via Princessa and Canyon Park Blvd	commercial/retail	2	0	8,900	35	75	0.25	0
Lost Canyon Rd - Between Canyon Park Blvd and Jakes Way	commercial/retail	2	0	6,300	35	75	0.25	0
Sand Canyon Rd - Between Sierra Hwy and Soledad Canyon Rd	commercial/retail	2	0	11,100	45	75	0.25	0
Sand Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd	commercial/retail	2	0	11,100	45	75	0.25	0
Sand Canyon Rd - Between Lost Canyon Rd and Alamo Canyon Dr	commercial/retail	1	0	9,300	45	75	0.25	0
Via Princessa - Between SR 14 and Lost Canyon Rd	commercial/retail	2	0	12,500	35	75	0.25	0
Via Princessa - South of Lost Canyon Rd	commercial/retail	2	0	12,500	35	75	0.25	0
Sierra Hwy - Between Via Princessa and Canyon Park Blvd	commercial/retail	3	0	35,000	45	75	0.25	0
Sierra Hwy - Between Canyon Park Blvd and Soledad Canyon Rd	commercial/retail	3	0	35,000	45	75	0.25	0
Jakes Way - East of Canyon Park Blvd	commercial/retail	1	0	5,500	40	75	0.25	0

**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 is "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%