

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

| | Number | | | | Distance | | | | | |
|--|-----------|--------|--------|--------|----------|-----------|---------|--------|--------|-------|
| | of Lanes | | | Design | From | | Barrier | Vehic | | |
| ROADWAY NAME | in Each | Median | ADT | Speed | 0 | Alpha (1) | Attn. | Medium | Heavy | dB(A) |
| Segment | Direction | Width | Volume | (mph) | Pavemt | Factor | dB(A) | Trucks | Trucks | CNEL |
| ROADWAY | | | | | | | | | | l |
| Soledad Canyon Rd - West of Golden Valley Rd | 3 | 0 | n/a | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| Soledad Canyon Rd - Between Golden Valley Rd and Whites Canyon Rd | 3 | 0 | 69,800 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 70.0 |
| Soledad Canyon Rd - Between Whites Canyon Rd and Sierra Hwy | 3 | 0 | 78,650 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 70.5 |
| Soledad Canyon Rd - Between Sierra Hwy and Vista Canyon Rd | 2 | 0 | 52,050 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 69.3 |
| Soledad Canyon Rd - Between Vista Canyon Rd and Sand Canyon Rd | 2 | 0 | 50,950 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 69.2 |
| Soledad Canyon Rd - East of Sand Canyon Rd | 2 | 0 | 53,400 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 69.4 |
| Lost Canyon Rd - Between Via Princessa and Canyon Park Blvd | 2 | 0 | 22,100 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 61.6 |
| Lost Canyon Rd - Between Canyon Park Blvd and Jakes Way | 2 | 0 | 22,100 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 61.6 |
| Lost Canyon Rd - Between La Veda Avenue and Sand Canyon Rd | 1 | 0 | 9,450 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 58.5 |
| Sand Canyon Rd - Between Sierra Hwy and Soledad Canyon Rd | 2 | 0 | 18,200 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.5 |
| Sand Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd | 2 | 0 | 32,400 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 66.0 |
| Sand Canyon Rd - Between Lost Canyon Rd and Alamo Canyon Dr | 1 | 0 | 16,625 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.7 |
| Sand Canyon Rd - Alamo Canyon Dr and Placerita Canyon Rd | 1 | 0 | 16,625 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.7 |
| Via Princessa - West of Whites Canyon Rd | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| Via Princessa - Between Whites Canyon Rd and Sierra Hwy | 2 | 0 | 50,900 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 65.2 |
| Via Princessa - Between Sierra Hwy and SR 14 | 3 | 0 | 29,775 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 62.4 |
| Via Princessa - Between SR 14 and Lost Canyon Rd | 2 | 0 | 6,775 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 56.5 |
| Via Princessa - South of Lost Canyon Rd | 2 | 0 | 22,100 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 61.6 |
| Sierra Highway - Between Golden Valley Rd and Via Princessa | 2 | 0 | 54,400 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.3 |
| Sierra Highway - Between Via Princessa and Canyon Park Blvd | 3 | 0 | 54,400 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 67.8 |
| Sierra Highway - Between Canyon Park Blvd and Soledad Canyon Rd | 3 | 0 | 63,050 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.4 |
| Sierra Highway - Between Soledad Canyon Rd and Skyline Ranch Rd | 2 | 0 | 50,500 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 67.9 |
| Sierra Highway - North of Sand Canyon Rd | 1 | 0 | 21,200 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 64.8 |
| Skyline Ranch Rd - North of Sierra Hwy | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| Whites Canyon Rd - Between Via Princessa and Soledad Canyon Rd | 3 | 0 | 33,100 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 62.9 |
| Jakes Way - East of Canyon Park Blvd | 1 | 0 | 9.150 | 40 | 75 | 0.25 | 0 | 1.8% | 0.7% | 59.8 |
| Golden Valley Rd - South of Newhall Ranch Rd | 3 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| Golden Valley Rd - South of SR 14 | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| Placerita Canyon Rd - Between Delden Rd and Ravenhill Rd | 1 | 0 | 10,500 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 62.9 |
| Placerita Canyon Rd - Ravenhill Rd and Sand Canyon Rd | 1 | 0 | 10,500 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 62.9 |
| Sandy Dr - Between Sierra Hwy and Jakes Way | 1 | 0 | 8,150 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 57.9 |
| Canyon Park Blvd - Between Sierra Hwy and SR 14 | 2 | 0 | 12,000 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 59.0 |
| 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 aspalt. 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% |

Vista Canyon Ranch CNEL at Off-Site Noise-Sensitive Land Uses Interim Project Conditions

| OADWAY NAME egment | of Lanes in Each | | | | | | | | | I |
|---|---------------------|--------|--------|--------|---------|-----------|---------|--------|--------|-------|
| | in Each | | | Design | From | | Barrier | Vehic | | |
| egment egment | | Median | ADT | Speed | Edge of | Alpha (1) | Attn. | Medium | Heavy | dB(A) |
| | Direction | Width | Volume | (mph) | Pavemt | Factor | dB(A) | Trucks | Trucks | CNEL |
| OADWAY | | | | | | | | | | |
| oledad Canyon Rd - West of Golden Valley Rd | 3 | 0 | n/a | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| oledad Canyon Rd - Between Golden Valley Rd and Whites Canyon Rd | 3 | 0 | 75,600 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 70.4 |
| oledad Canyon Rd - Between Whites Canyon Rd and Sierra Hwy | 3 | 0 | 85,280 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 70.9 |
| oledad Canyon Rd - Between Sierra Hwy and Vista Canyon Rd | 2 | 0 | 61,995 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 70.0 |
| oledad Canyon Rd - Between Vista Canyon Rd and Sand Canyon Rd | 2 | 0 | 56,850 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 69.6 |
| oledad Canyon Rd - East of Sand Canyon Rd | 2 | 0 | 58,880 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 69.8 |
| ost Canyon Rd - Between Via Princessa and Canyon Park Blvd | 2 | 0 | 20,615 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 61.3 |
| ost Canyon Rd - Between Canyon Park Blvd and Jakes Way | 2 | 0 | 20,615 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 61.3 |
| ost Canyon Rd - Between La Veda Avenue and Sand Canyon Rd | 1 | 0 | 15,850 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 60.8 |
| and Canyon Rd - Between Sierra Hwy and Soledad Canyon Rd | 2 | 0 | 18.840 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.7 |
| and Canyon Rd - Between Soledad Canyon Rd and Lost Canyon Rd | 2 | 0 | 36,615 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 66.5 |
| and Canyon Rd - Between Lost Canyon Rd and Alamo Canyon Dr | 1 | 0 | 17,920 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 64.1 |
| and Canyon Rd - Alamo Canyon Dr and Placerita Canyon Rd | 1 | 0 | 17,920 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 64.1 |
| ia Princessa - West of Whites Canyon Rd | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| ia Princessa - Between Whites Canyon Rd and Sierra Hwy | 2 | 0 | 54,195 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 65.5 |
| ia Princessa - Between Sierra Hwy and SR 14 | 3 | 0 | 33,410 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 62.9 |
| ia Princessa - Between SR 14 and Lost Canyon Rd | 2 | 0 | 7,015 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 56.6 |
| ia Princessa - South of Lost Canyon Rd | 2 | 0 | 35,780 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.7 |
| ierra Highway - Between Golden Valley Rd and Via Princessa | 2 | 0 | 58,440 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.6 |
| ierra Highway - Between Via Princessa and Canyon Park Blvd | 3 | 0 | 58,205 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.1 |
| ierra Highway - Between Canyon Park Blvd and Soledad Canyon Rd | 3 | 0 | 65,670 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.6 |
| ierra Highway - Between Soledad Canyon Rd and Skyline Ranch Rd | 2 | 0 | 53,110 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 68.2 |
| ierra Highway - North of Sand Canyon Rd | 1 | 0 | 22,050 | 45 | 75 | 0.25 | 0 | 1.8% | 0.7% | 65.0 |
| kyline Ranch Rd - North of Sierra Hwy | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| /hites Canyon Rd - Between Via Princessa and Soledad Canyon Rd | 3 | 0 | 34,650 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.1 |
| akes Way - East of Canyon Park Blvd | 1 | 0 | 10,020 | 40 | 75 | 0.25 | 0 | 1.8% | 0.7% | 60.2 |
| olden Valley Rd - South of Newhall Ranch Rd | 3 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| olden Valley Rd - South of SR 14 | 2 | 0 | n/a | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | n/a |
| lacerita Canyon Rd - Between Delden Rd and Ravenhill Rd | 1 | 0 | 11,080 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.2 |
| lacerita Canyon Rd - Ravenhill Rd and Sand Canyon Rd | 1 | 0 | 11,080 | 50 | 75 | 0.25 | 0 | 1.8% | 0.7% | 63.2 |
| andy Dr - Between Sierra Hwy and Jakes Way | 1 | 0 | 9,430 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 58.5 |
| anyon Park Blvd - Between Sierra Hwy and SR 14 | 2 | 0 | 12,000 | 35 | 75 | 0.25 | 0 | 1.8% | 0.7% | 59.0 |
| ost 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 |
| ista 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:

(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 aspalt. 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% |
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| Heavy-Duty Trucks | 89.10% | 2.84% | 8.06% | 100.00% |