

**TRAFFIC NOISE LEVELS AND NOISE CONTOURS**

**Project Number:**  
**Project Name: Perris Airport Logistics Center**

**Background Information**

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Source of Traffic Volumes: Linscott, Law, and Greenspan, December 2008  
 Community Noise Descriptor: L<sub>dn</sub>: \_\_\_\_\_ CNEL: X

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.50%	12.90%	9.60%
Medium-Duty Trucks	84.80%	4.90%	10.30%
Heavy-Duty Trucks	86.50%	2.70%	10.80%

"-" = contour is located within the roadway right-of-way.  
 Distance is from the centerline of the roadway segment to the receptor location.

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
						Medium Trucks	Heavy Trucks	CNEL at 50 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
<b>Ellis Avenue</b>												
Goetz Road (#2) to Driveway 4 (#11), existing	2	0	200	40	0.5	2.77%	11.38%	<b>54.0</b>	-	-	-	43
Goetz Road (#2) to Driveway 4 (#11), existing + project	2	0	1,450	40	0.5	0.38%	24.84%	<b>65.1</b>	-	51	109	235
Goetz Road (#2) to Driveway 4 (#11), future (2025)	2	0	6,950	40	0.5	2.77%	11.38%	<b>69.4</b>	46	98	212	457
Goetz Road (#2) to Driveway 4 (#11), future + project	2	0	8,450	40	0.5	2.28%	14.15%	<b>70.9</b>	57	124	266	574
<b>Ellis Avenue</b>												
Driveway 4 (#11) to Case Road (#12), existing	2	0	200	40	0.5	2.77%	11.38%	<b>54.0</b>	-	-	-	43
Driveway 4 (#11) to Case Road (#12), existing + project	2	0	1,550	40	0.5	2.02%	24.98%	<b>65.5</b>	-	54	116	249
Driveway 4 (#11) to Case Road (#12), future (2025)	2	0	6,950	40	0.5	2.77%	11.38%	<b>69.4</b>	46	98	212	457
Driveway 4 (#11) to Case Road (#12), future + project	2	0	8,450	40	0.5	2.39%	14.15%	<b>70.9</b>	57	124	267	575
<b>Goetz Road</b>												
Ellis Ave (#2) to Driveway 1 (#3), existing	4	20	9,300	55	0.5	2.77%	11.38%	<b>74.0</b>	92	198	427	919
Ellis Ave (#2) to Driveway 1 (#3), existing + project	4	20	12,750	55	0.5	2.14%	15.60%	<b>76.1</b>	127	275	592	1,275
Ellis Ave (#2) to Driveway 1 (#3), future (2025)	4	20	18,250	55	0.5	2.77%	11.38%	<b>76.9</b>	144	310	669	1,440
Ellis Ave (#2) to Driveway 1 (#3), future + project	4	20	21,150	55	0.5	2.46%	13.52%	<b>77.9</b>	169	364	785	1,690
<b>Goetz Road</b>												
Driveway 1 (#3) to Cai Court (#4), existing	4	20	10,300	55	0.5	2.77%	11.38%	<b>74.4</b>	98	212	457	984
Driveway 1 (#3) to Cai Court (#4), existing + project	4	20	13,350	55	0.5	2.16%	14.95%	<b>76.2</b>	129	278	599	1,291
Driveway 1 (#3) to Cai Court (#4), future (2025)	4	20	19,300	55	0.5	2.77%	11.38%	<b>77.1</b>	150	322	694	1,495
Driveway 1 (#3) to Cai Court (#4), future + project	4	20	21,750	55	0.5	2.48%	13.14%	<b>78.0</b>	170	367	791	1,704
<b>Goetz Road</b>												
Cai Ct (#4) to Malbert St (#5), existing	4	20	10,300	55	0.5	2.77%	11.38%	<b>74.4</b>	98	212	457	984
Cai Ct (#4) to Malbert St (#5), existing + project	4	20	13,200	55	0.5	0.36%	14.81%	<b>76.0</b>	125	270	582	1,254
Cai Ct (#4) to Malbert St (#5), future (2025)	4	20	19,300	55	0.5	2.77%	11.38%	<b>77.1</b>	150	322	694	1,495
Cai Ct (#4) to Malbert St (#5), future + project	4	20	21,550	55	0.5	2.28%	13.01%	<b>77.9</b>	168	363	781	1,683
<b>Case Road</b>												
Driveway 5 (#17) to Murrieta Road (#18), existing	2	0	10,700	55	0.5	2.77%	11.38%	<b>73.4</b>	84	181	391	842
Driveway 5 (#17) to Murrieta Road (#18), existing + project	2	0	12,750	55	0.5	2.32%	13.89%	<b>74.6</b>	102	219	472	1,016
Driveway 5 (#17) to Murrieta Road (#18), future (2025)	2	0	19,400	55	0.5	2.77%	11.38%	<b>76.0</b>	125	270	581	1,252
Driveway 5 (#17) to Murrieta Road (#18), future + project	2	0	20,750	55	0.5	2.59%	12.39%	<b>76.5</b>	135	291	626	1,349