

APPENDIX D -
NOISE ANALYSIS CALCULATION DATA

Roadway and Highway Traffic Noise Levels



Project Name: Camarillo Hotel and Conference Center

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise ("CALVENO") Emissions Levels and Caltrans Technical Noise Supplement (November 2009) methodologies.
 Analysis Scenarios: Existing and Future Traffic Volumes.
 Source of Traffic Volumes: Associated Transportation Engineers, June 21, 2017.

Assumed 24-Hour Traffic Distribution	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy Duty Trucks	89.10%	2.84%	8.06%

Existing Traffic Volumes

Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Medium-Duty Trucks	Heavy-Duty Trucks	Peak Hour dBA Leq	24-Hour dBA Ldn
Las Posas Road - north of Daily Drive	Multi-Family Residential	6	12	1,725	17,250	35	62	0	1.8%	0.7%	67.8	67.7
Las Posas Road - north of Ponderosa Drive	Single Family Residential	4	12	1,312	13,120	45	60	0.5	1.8%	0.7%	68.8	68.7
Ponderosa Drive - east of Las Posas Road	Single Family Residential	4	12	1,236	12,360	45	60	0.5	1.8%	0.7%	68.5	68.4
Ponderosa Drive - west of Las Posas Road	Multi-Family Residential	4	12	1,018	10,180	45	60	0.5	1.8%	0.7%	67.7	67.6

Existing + Project Traffic Volumes

Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Medium-Duty Trucks	Heavy-Duty Trucks	Peak Hour dBA Leq	24-Hour dBA Ldn
Las Posas Road - north of Daily Drive	Multi-Family Residential	6	12	1,790	17,900	35	62	0	1.8%	0.7%	68.0	67.9
Las Posas Road - north of Ponderosa Drive	Single Family Residential	4	12	1,342	13,420	45	60	0.5	1.8%	0.7%	68.9	68.8
Ponderosa Drive - east of Las Posas Road	Single Family Residential	4	12	1,261	12,610	45	60	0.5	1.8%	0.7%	68.6	68.5
Ponderosa Drive - west of Las Posas Road	Multi-Family Residential	4	12	1,028	10,280	45	60	0.5	1.8%	0.7%	67.7	67.6

Future (Existing + Approved Projects) + Project Traffic Volumes

Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Medium-Duty Trucks	Heavy-Duty Trucks	Peak Hour dBA Leq	24-Hour dBA Ldn
Las Posas Road - north of Daily Drive	Multi-Family Residential	6	12	2,174	21,740	35	62	0	1.8%	0.7%	68.8	68.7
Las Posas Road - north of Ponderosa Drive	Single Family Residential	4	12	1,516	15,160	45	60	0.5	1.8%	0.7%	69.4	69.3
Ponderosa Drive - east of Las Posas Road	Single Family Residential	4	12	1,341	13,410	45	60	0.5	1.8%	0.7%	68.9	68.8