

Appendix G

Noise Model Result

TRAFFIC NOISE LEVELS

Project Number: 100018889
Project Name: 300 Airport Boulevard EIR

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Analysis Scenario(s): Future Cumulative
 Source of Traffic Volumes: Project Traffic Report
 Community Noise Descriptor: L_{dn} : x CNEL: _____

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%

Traffic Noise Levels

Analysis Condition	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hour L_{eq} dB(A)	24-Hour L_{dn} dB(A)
Existing Calibration													
Airport Blvd, Bayside Park	Park	4	0	468	4,680	35	30	0	0	1.8%	0.7%	65.4	64.2
Airport Blvd, Anza Blvd.	Hotel	4	0	628	6,280	30	30	0	-2	1.8%	0.7%	63.4	62.3
Project Site, Airport Blvd.	Project Site	4	5	320	3,200	35	30	0	0	1.8%	0.7%	64.1	63.0
Coyote Point County Park	Park	4	12	1,407	14,070	35	40	0	-8	1.8%	0.7%	60.9	59.8
Existing Conditions													
Airport Blvd, Bayside Park	Park	4	0	359	3,590	35	30	0	0	1.8%	0.7%	64.2	63.1
Airport Blvd, Anza Blvd.	Hotel	4	0	631	6,310	30	30	0	-2	1.8%	0.7%	63.4	62.3
Project Site, Airport Blvd.	Project Site	4	5	482	4,820	35	30	0	0	1.8%	0.7%	65.9	64.8
Coyote Point County Park	Park	4	12	1,407	14,070	35	40	0	-8	1.8%	0.7%	60.9	59.8
Scenario A: Existing + 300													
Airport Blvd, Bayside Park	Park	4	0	591	5,910	35	30	0	0	1.8%	0.7%	66.4	65.3
Airport Blvd, Anza Blvd.	Hotel	4	0	664	6,640	30	30	0	-2	1.8%	0.7%	63.6	62.5
Project Site, Airport Blvd.	Project Site	4	5	598	5,980	35	30	0	0	1.8%	0.7%	66.9	65.7
Coyote Point County Park	Park	4	12	1533	15,330	35	40	0	-8	1.8%	0.7%	61.3	60.1
Scenario B: Existing + 300 & 350													
Airport Blvd, Bayside Park	Park	4	0	600	6,000	35	30	0	0	1.8%	0.7%	66.5	65.3
Airport Blvd, Anza Blvd.	Hotel	4	0	668	6,680	30	30	0	-2	1.8%	0.7%	63.7	62.5
Project Site, Airport Blvd.	Project Site	4	5	653	6,530	35	30	0	0	1.8%	0.7%	67.2	66.1
Coyote Point County Park	Park	4	12	1,585	15,850	35	40	0	-8	1.8%	0.7%	61.4	60.3
Scenario C: Cumulative + 300													
Airport Blvd, Bayside Park	Park	4	0	760	7,600	35	30	0	0	1.8%	0.7%	67.5	66.3
Airport Blvd, Anza Blvd.	Hotel	4	0	1,209	12,090	30	30	0	-2	1.8%	0.7%	66.2	65.1
Project Site, Airport Blvd.	Project Site	4	5	933	9,330	35	30	0	0	1.8%	0.7%	68.8	67.6
Coyote Point County Park	Park	4	12	2,050	20,500	35	40	0	-8	1.8%	0.7%	62.6	61.4
Scenario D: Cumulative + 300 + 350													
Airport Blvd, Bayside Park	Park	4	0	767	7,670	35	30	0	0	1.8%	0.7%	67.5	66.4
Airport Blvd, Anza Blvd.	Hotel	4	0	1,199	11,990	30	30	0	-2	1.8%	0.7%	66.2	65.1

