

**APPENDIX 3.3**

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**Noise Monitoring Results**

**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor (1)	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	dB(A) CNEL
<b>Arroyo N/O Driveway</b>											
Weekday		2	0	2,992	40	75	0	0	1.8%	0.7%	57.6
Weekend		2	0	2,819	40	75	0	0	1.8%	0.7%	57.3
Weekday w/p		2	0	3,040	40	75	0	0	1.8%	0.7%	57.6
Weekend w/p		2	0	2,907	40	75	0	0	1.8%	0.7%	57.4
<b>Arroyo N/O Westminster</b>											
Weekday		2	0	2,915	40	75	0	0	1.8%	0.7%	57.4
Weekend		2	0	2,783	40	75	0	0	1.8%	0.7%	57.2
Weekday w/p		2	0	2,963	40	75	0	0	1.8%	0.7%	57.5
Weekend w/p		2	0	2,871	40	75	0	0	1.8%	0.7%	57.4
<b>Arroyo S/O Westminster</b>											
Weekday		2	0	2,854	40	75	0	0	1.8%	0.7%	57.4
Weekend		2	0	2,658	40	75	0	0	1.8%	0.7%	57.0
Weekday w/p		2	0	2,902	40	75	0	0	1.8%	0.7%	57.4
Weekend w/p		2	0	2,746	40	75	0	0	1.8%	0.7%	57.2
<b>Westminster E/O Arroyo</b>											
Weekday		2	0	147	40	75	0	0	1.8%	0.7%	44.5
Weekend		2	0	157	40	75	0	0	1.8%	0.7%	44.8
Weekday w/p		2	0	233	40	75	0	0	1.8%	0.7%	46.5
Weekend w/p		2	0	247	40	75	0	0	1.8%	0.7%	46.7

(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 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

<b>Assumed 24-Hour Traffic Distribution:</b>	<b>Day</b>	<b>Evening</b>	<b>Night</b>
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%