

Appendix F.1 Noise Modeling

Appendix F.1 Noise Modeling

- a) Construction Noise Level Calculations
- b) Operational Noise Level Calculations

Construction Noise Level Calculations

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR

Construction Noise Levels - Unmitigated

Reference Noise Distance	50					
Reference Noise Level	95.8					
Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
12917 W. Galewood Street	92	6	83.2	60.7	83.2	22.5
12920 W. Galewood Street	167	6	76.7	44.9	76.7	31.8
12927 W. Galewood Street	207	6	74.4	44.9	74.4	29.5
12934 W. Galewood Street	405	13	60.1	44.9	60.2	15.3
12937 W. Galewood Street	333	16	59.2	44.9	59.4	14.5
12947 W. Galewood Street	470	13	58.5	44.9	58.7	13.8
12948 W. Galewood Street	558	20	49.6	44.9	50.9	6.0
12949 W. Blairwood Drive	197	10	70.9	44.9	70.9	26.0
12950 W. Blairwood Drive	471	20	51.4	44.9	52.3	7.4
12951 W. Blairwood Drive	308	15	61.1	44.9	61.2	16.3
12952 W. Blairwood Drive	391	10	63.5	44.9	63.5	18.6
12954 W. Blairwood Drive	625	20	48.4	44.9	50.0	5.1
12956 W. Blairwood Drive	659	20	47.8	44.9	49.6	4.7
12958 W. Blairwood Drive	672	20	47.6	44.9	49.5	4.6
12959 W. Galewood Street	592	20	49.0	44.9	50.4	5.5
12960 W. Blairwood Drive	665	20	47.7	44.9	49.5	4.6
12965 W. Blairwood Drive	643	10	58.1	44.9	58.3	13.4
12966 W. Galewood Street	737	20	46.6	44.9	48.8	3.9
12970 W. Blairwood Drive	822	20	45.4	44.9	48.2	3.3
12971 W. Galewood Street	698	20	47.2	44.9	49.2	4.3
12979 W. Blairwood Drive	840	15	50.2	44.9	51.3	6.4
12980 W. Blairwood Drive	957	20	43.7	44.9	47.4	2.5
12997 W. Blairwood Drive	848	20	45.1	44.9	48.0	3.1
13070 W. Blairwood Drive	924	20	44.1	44.9	47.5	2.6
2860 Avenida del Sol	1980	0	55.9	55.4	58.6	3.2
3618 Coldwater Canyon Ave	772	0	66.1	68.2	70.3	2.1
3624 Coldwater Canyon Ave	739	0	66.6	68.2	70.5	2.3
3630 Coldwater Canyon Ave	695	0	67.2	68.2	70.8	2.6
3630 Potosi Drive	552	20	49.7	50.2	53.0	2.8
3635 Potosi Drive	456	20	51.8	50.2	54.1	3.9
3643 Potosi Drive	400	20	53.2	50.2	55.0	4.8
3646 Potosi Drive	448	17	55.0	50.2	56.2	6.0
3654 Potosi Drive	407	14	59.0	50.2	59.6	9.4
3663 Potosi Drive	279	0	77.1	50.2	77.1	26.9
3687 Alta Mesa Dr	835	0	65.2	55.4	65.7	10.3
3691 Alta Mesa Dr	776	0	66.0	55.4	66.4	11.0
3721 Alta Mesa Dr	748	0	66.4	55.4	66.8	11.4
3762 Alta Mesa Dr	663	0	67.7	55.4	68.0	12.6
3768 Alta Mesa Dr	616	0	68.5	55.4	68.7	13.3
3774 Alta Mesa Dr	614	0	68.6	55.4	68.8	13.4
3782 Alta Mesa Dr	532	0	70.1	55.4	70.3	14.9
3818 Alta Mesa Dr	605	0	68.7	55.4	68.9	13.5
3826 Alta Mesa Dr	637	0	68.2	55.4	68.4	13.0
3832 Alta Mesa Dr	704	0	67.1	55.4	67.4	12.0
3839 Avenida del Sol	651	0	67.9	55.4	68.2	12.8
3840 Alta Mesa Dr	769	0	66.1	55.4	66.5	11.1

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
Construction Noise Levels - Unmitigated

Reference Noise Distance	50					
Reference Noise Level	95.8					
Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
3848 Alta Mesa Dr	851	0	65.0	55.4	65.5	10.1
3848 Avenida del Sol	319	0	75.7	55.4	75.7	20.3
3851 Avenida del Sol	522	0	70.3	55.4	70.5	15.1
3854 Avenida del Sol	328	0	75.4	55.4	75.4	20.0
3860 Avenida del Sol	357	0	74.5	55.4	74.5	19.1
3861 Avenida del Sol	565	0	69.5	55.4	69.6	14.2
3869 Avenida del Sol	555	0	69.7	55.4	69.8	14.4
3870 Avenida del Sol	396	0	73.3	55.4	73.4	18.0
3875 Avenida del Sol	501	0	70.8	55.4	70.9	15.5
3880 Avenida del Sol	336	0	75.1	55.4	75.2	19.8
3901 N. Van Noord Avenue	77	10	81.1	68.2	81.3	13.1
3905 N. Van Noord Avenue	161	3	80.1	68.2	80.3	12.1
3911 N. Van Noord Avenue	225	6	73.5	68.2	74.6	6.4
3915 Avenida del Sol	416	0	72.8	55.4	72.9	17.5
3917 N. Van Noord Avenue	290	9	67.7	60.7	68.5	7.8
3921 N. Van Noord Avenue	353	12	62.6	60.7	64.7	4.0
3923 Avenida del Sol	479	0	71.3	55.4	71.4	16.0
3937 Avenida del Sol	509	0	70.6	55.4	70.7	15.3
3943 Avenida del Sol	552	0	69.7	55.4	69.9	14.5
3949 Avenida del Sol	608	0	68.7	55.4	68.9	13.5
3963 Avenida del Sol	729	0	66.7	55.4	67.0	11.6
3969 Avenida del Sol	802	0	65.7	55.4	66.1	10.7
3995 Avenida del Sol	858	0	64.9	55.4	65.4	10.0
3997 Oeste Ave	852	0	65.0	55.4	65.5	10.1
4001 Avenida del Sol	815	0	65.5	55.4	65.9	10.5
4007 Avenida de Sol	757	0	66.3	55.4	66.6	11.2
4015 Avenida del Sol	684	0	67.4	55.4	67.7	12.3
4066 Alta Mesa Dr	865	0	64.9	55.4	65.3	9.9
Harvard-Westlake School (Munger St)	282	10	67.0	50.7	67.1	16.4
Sunnyside Preschool	432	10	62.4	55.4	63.2	7.8

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
Construction Noise Levels - Mitigated

Reference Noise Distance	50					
Reference Noise Level	95.8					
Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
12917 W. Galewood Street	92	9	80.2	60.7	80.2	19.5
12920 W. Galewood Street	167	9	73.7	44.9	73.7	28.8
12927 W. Galewood Street	207	9	71.4	44.9	71.4	26.5
12934 W. Galewood Street	405	16	57.1	44.9	57.4	12.5
12937 W. Galewood Street	333	19	56.2	44.9	56.5	11.6
12947 W. Galewood Street	470	16	55.5	44.9	55.8	10.9
12949 W. Blairwood Drive	197	9	71.9	44.9	71.9	27.0
12950 W. Blairwood Drive	471	23	48.4	44.9	50.0	5.1
12951 W. Blairwood Drive	308	13	63.1	44.9	63.1	18.2
12952 W. Blairwood Drive	391	13	60.5	44.9	60.6	15.7
12965 W. Blairwood Drive	643	13	55.1	44.9	55.5	10.6
3654 Potosi Drive	407	17	56.0	50.2	57.0	6.8
3663 Potosi Drive	279	3	74.1	50.2	74.2	24.0
3687 Alta Mesa Dr	835	3	62.2	55.4	63.1	7.7
3691 Alta Mesa Dr	776	3	63.0	55.4	63.7	8.3
3721 Alta Mesa Dr	748	3	63.4	55.4	64.1	8.7
3762 Alta Mesa Dr	663	3	64.7	55.4	65.2	9.8
3768 Alta Mesa Dr	616	3	65.5	55.4	65.9	10.5
3774 Alta Mesa Dr	614	3	65.6	55.4	66.0	10.6
3782 Alta Mesa Dr	532	3	67.1	55.4	67.4	12.0
3818 Alta Mesa Dr	605	3	65.7	55.4	66.1	10.7
3826 Alta Mesa Dr	637	3	65.2	55.4	65.6	10.2
3832 Alta Mesa Dr	704	3	64.1	55.4	64.6	9.2
3839 Avenida del Sol	651	3	64.9	55.4	65.4	10.0
3840 Alta Mesa Dr	769	3	63.1	55.4	63.8	8.4
3848 Alta Mesa Dr	851	3	62.0	55.4	62.9	7.5
3848 Avenida del Sol	319	3	72.7	55.4	72.8	17.4

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
Construction Noise Levels - Mitigated

Reference Noise Distance	50					
Reference Noise Level	95.8					
Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
3851 Avenida del Sol	522	3	67.3	55.4	67.6	12.2
3854 Avenida del Sol	328	3	72.4	55.4	72.5	17.1
3860 Avenida del Sol	357	3	71.5	55.4	71.6	16.2
3861 Avenida del Sol	565	3	66.5	55.4	66.8	11.4
3869 Avenida del Sol	555	3	66.7	55.4	67.0	11.6
3870 Avenida del Sol	396	3	70.3	55.4	70.5	15.1
3875 Avenida del Sol	501	3	67.8	55.4	68.0	12.6
3880 Avenida del Sol	336	3	72.1	55.4	72.2	16.8
3901 N. Van Noord Avenue	77	13	78.1	68.2	78.5	10.3
3905 N. Van Noord Avenue	161	6	77.1	68.2	77.6	9.4
3915 Avenida del Sol	416	3	69.8	55.4	69.9	14.5
3917 N. Van Noord Avenue	290	12	64.7	60.7	66.2	5.5
3923 Avenida del Sol	479	3	68.3	55.4	68.5	13.1
3937 Avenida del Sol	509	3	67.6	55.4	67.9	12.5
3943 Avenida del Sol	552	3	66.7	55.4	67.0	11.6
3949 Avenida del Sol	608	3	65.7	55.4	66.1	10.7
3963 Avenida del Sol	729	3	63.7	55.4	64.3	8.9
3969 Avenida del Sol	802	3	62.7	55.4	63.4	8.0
3995 Avenida del Sol	858	3	61.9	55.4	62.8	7.4
4001 Avenida del Sol	815	3	62.5	55.4	63.3	7.9
4007 Avenida de Sol	757	3	63.3	55.4	63.9	8.5
4015 Avenida del Sol	684	3	64.4	55.4	64.9	9.5
4066 Alta Mesa Dr	865	3	61.9	55.4	62.7	7.3
Harvard-Westlake School (Munger St)	282	13	64.0	50.7	64.2	13.5
Sunnyside Preschool	432	13	59.4	55.4	60.9	5.5

OFF-SITE CONSTRUCTION HAUL TRUCK NOISE LEVELS

Max # of heavy duty Trucks using the following routes per hour:

15

ROAD SEGMENT	TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)	
		D1	D2	Eq. Dis.	Auto		MT		HT		Auto		MT		HT		Auto	MT	HT		
					%	Auto	%	MT	%	HT	k/h	MT	k/h	HT	k/h						
AM Peak Hour (Existing)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	1885	40	75	55	80	1508	17	320	3	57	35	56	35	56	35	56	66.1	69.1	66.8	69.1
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	1460	30	70	46	80	1168	17	248	3	44	35	56	35	56	35	56	65.0	68.0	65.7	68.4
Coldwater Canyon Avenue	south of Ventura Boulevard	1674	15	38	24	80	1339	17	285	3	50	35	56	35	56	35	56	65.6	68.6	66.3	70.1
PM Peak Hour (Existing)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	2391	40	75	55	80	1913	17	406	3	72	35	56	35	56	35	56	67.1	70.1	67.8	70.1
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	2155	30	70	46	80	1724	17	366	3	65	35	56	35	56	35	56	66.7	69.7	67.3	70.0
Coldwater Canyon Avenue	south of Ventura Boulevard	1803	15	38	24	80	1442	17	307	3	54	35	56	35	56	35	56	65.9	68.9	66.6	70.4
Saturday (Existing)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	2070	40	75	55	80	1656	17	352	3	62	35	56	35	56	35	56	66.5	69.5	67.2	69.5
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	1789	30	70	46	80	1431	17	304	3	54	35	56	35	56	35	56	65.9	68.9	66.5	69.2
Coldwater Canyon Avenue	south of Ventura Boulevard	1383	15	38	24	80	1106	17	235	3	41	35	56	35	56	35	56	64.7	67.7	65.4	69.2
AM Peak Hour (Future)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	1885	40	75	55	79%	1508	17%	320	4%	72	35	56	35	56	35	56	66.1	69.1	67.8	69.4
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	1460	30	70	46	79%	1168	17%	248	4%	59	35	56	35	56	35	56	65.0	68.0	66.9	68.8
Coldwater Canyon Avenue	south of Ventura Boulevard	1674	15	38	24	79%	1339	17%	285	4%	65	35	56	35	56	35	56	65.6	68.6	67.4	70.4
PM Peak Hour (Future)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	2391	40	75	55	80%	1913	17%	406	4%	87	35	56	35	56	35	56	67.1	70.1	68.6	70.4
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	2155	30	70	46	79%	1724	17%	366	4%	80	35	56	35	56	35	56	66.7	69.7	68.3	70.3
Coldwater Canyon Avenue	south of Ventura Boulevard	1803	15	38	24	79%	1442	17%	307	4%	69	35	56	35	56	35	56	65.9	68.9	67.6	70.7
Saturday (Future)																					
Coldwater Canyon Avenue	between Ventura Freeway and Moorpark Street	2070	40	75	55	79%	1656	17%	352	4%	77	35	56	35	56	35	56	66.5	69.5	68.1	69.8
Coldwater Canyon Avenue	between Moorpark Street and Ventura Boulevard	1789	30	70	46	79%	1431	17%	304	4%	69	35	56	35	56	35	56	65.9	68.9	67.6	69.6
Coldwater Canyon Avenue	south of Ventura Boulevard	1383	15	38	24	79%	1106	17%	235	4%	56	35	56	35	56	35	56	64.7	67.7	66.8	69.7

Operational Noise Level Calculations

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
 Parking Noise Levels

Reference Noise Distance	50					
Reference Noise Level	58.1					
Sensitive Receptor	Distance (feet)	Attenuation Factors /a/	Maximum Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
12917 W. Galewood Street	257	6	34.3	60.7	60.7	0.0
12920 W. Galewood Street	200	6	37.0	44.9	45.6	0.7
12927 W. Galewood Street	387	6	29.9	44.9	45.0	0.1
12934 W. Galewood Street	381	13	23.1	44.9	44.9	0.0
12937 W. Galewood Street	482	16	17.5	44.9	44.9	0.0
12947 W. Galewood Street	596	13	18.2	44.9	44.9	0.0
12948 W. Galewood Street	569	20	11.7	44.9	44.9	0.0
12959 W. Galewood Street	705	20	9.4	44.9	44.9	0.0
12966 W. Galewood Street	743	20	8.8	44.9	44.9	0.0
12971 W. Galewood Street	800	20	8.0	44.9	44.9	0.0
3901 N. Van Noord Avenue	351	10	26.9	68.2	68.2	0.0
3905 N. Van Noord Avenue	387	3	32.9	68.2	68.2	0.0
3911 N. Van Noord Avenue	438	6	28.5	68.2	68.2	0.0
3917 N. Van Noord Avenue	498	9	24.1	60.7	60.7	0.0
3921 N. Van Noord Avenue	559	12	19.9	60.7	60.7	0.0
12949 W. Blairwood Drive	200	6	37.0	44.9	45.6	0.7
12950 W. Blairwood Drive	355	20	16.8	44.9	44.9	0.0
12951 W. Blairwood Drive	358	10	26.7	44.9	45.0	0.1
12952 W. Blairwood Drive	237	10	31.2	44.9	45.1	0.2
12954 W. Blairwood Drive	527	20	12.5	44.9	44.9	0.0
12956 W. Blairwood Drive	575	20	11.6	44.9	44.9	0.0
12958 W. Blairwood Drive	504	20	13.0	44.9	44.9	0.0
12960 W. Blairwood Drive	550	20	12.1	44.9	44.9	0.0
12965 W. Blairwood Drive	531	10	22.4	44.9	44.9	0.0
12970 W. Blairwood Drive	688	20	9.6	44.9	44.9	0.0
12979 W. Blairwood Drive	758	15	13.6	44.9	44.9	0.0
12980 W. Blairwood Drive	846	20	7.4	44.9	44.9	0.0
12997 W. Blairwood Drive	921	20	6.5	44.9	44.9	0.0
13070 W. Blairwood Drive	847	20	7.4	44.9	44.9	0.0
3630 Potosi Drive	562	20	11.8	50.2	50.2	0.0
3635 Potosi Drive	486	20	13.4	50.2	50.2	0.0
3643 Potosi Drive	431	20	14.7	50.2	50.2	0.0
3646 Potosi Drive	455	17	17.1	50.2	50.2	0.0
3654 Potosi Drive	407	14	21.3	50.2	50.2	0.0
3663 Potosi Drive	318	0	38.0	50.2	50.5	0.3
12850 Hailkirk Street	778	10	18.3	68.2	68.2	0.0
Harvard-Westlake School (Munger Science Center)	540	10	22.3	50.7	50.7	0.0
Sunnyside Preschool	830	10	17.6	55.4	55.4	0.0
Residences on Longridge Avenue	1070	10	14.8	47.5	47.5	0.0

Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
Recreational Noise Levels

Reference Noise Distance	50					
Reference Noise Level	70.6					
Sensitive Receptor	Distance (feet)	Attenuation Factors /a/	Maximum Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
12917 W. Galewood Street	252	6	47.0	60.7	60.9	0.2
12920 W. Galewood Street	184	6	50.5	44.9	51.5	6.6
12927 W. Galewood Street	382	6	42.5	44.9	46.9	2.0
12934 W. Galewood Street	375	13	35.7	44.9	45.4	0.5
12937 W. Galewood Street	477	16	30.1	44.9	45.0	0.1
12947 W. Galewood Street	590	13	30.8	44.9	45.1	0.2
12948 W. Galewood Street	563	20	24.3	44.9	44.9	0.0
12959 W. Galewood Street	699	20	22.0	44.9	44.9	0.0
12966 W. Galewood Street	738	20	21.4	44.9	44.9	0.0
12971 W. Galewood Street	794	20	20.6	44.9	44.9	0.0
3901 N. Van Noord Avenue	434	10	37.1	68.2	68.2	0.0
3905 N. Van Noord Avenue	382	3	45.5	68.2	68.2	0.0
3911 N. Van Noord Avenue	432	6	41.2	68.2	68.2	0.0
3917 N. Van Noord Avenue	492	9	36.8	60.7	60.7	0.0
3921 N. Van Noord Avenue	553	12	32.5	60.7	60.7	0.0
12949 W. Blairwood Drive	184	6	50.5	44.9	51.5	6.6
12950 W. Blairwood Drive	349	20	29.5	44.9	45.0	0.1
12951 W. Blairwood Drive	349	10	39.5	44.9	46.0	1.1
12952 W. Blairwood Drive	231	10	44.0	44.9	47.5	2.6
12954 W. Blairwood Drive	505	20	25.5	44.9	44.9	0.0
12956 W. Blairwood Drive	552	20	24.5	44.9	44.9	0.0
12958 W. Blairwood Drive	483	20	26.0	44.9	45.0	0.1
12960 W. Blairwood Drive	544	20	24.7	44.9	44.9	0.0
12965 W. Blairwood Drive	532	10	34.9	44.9	45.3	0.4
12970 W. Blairwood Drive	682	20	22.2	44.9	44.9	0.0
12979 W. Blairwood Drive	752	15	26.2	44.9	45.0	0.1
12980 W. Blairwood Drive	840	20	20.0	44.9	44.9	0.0
12997 W. Blairwood Drive	921	20	19.0	44.9	44.9	0.0
13070 W. Blairwood Drive	746	20	21.3	44.9	44.9	0.0
3630 Potosi Drive	550	20	24.6	50.2	50.2	0.0
3635 Potosi Drive	469	20	26.3	50.2	50.2	0.0
3643 Potosi Drive	418	20	27.5	50.2	50.2	0.0
3646 Potosi Drive	450	17	29.7	50.2	50.2	0.0
3654 Potosi Drive	407	14	33.8	50.2	50.3	0.1
3663 Potosi Drive	313	0	50.7	50.2	53.5	3.3
12850 Hailkirk Street	773	10	30.9	68.2	68.2	0.0
Harvard-Westlake School (Munger Science Center)	168	10	47.4	50.7	52.4	1.7
Sunnyside Preschool	329	10	40.1	55.4	55.5	0.1
Residences on Longridge Avenue	1070	10	27.3	47.5	47.5	0.0

**Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
Combined On-Site Noise Levels**

Sensitive Receptor	Parking Structure Noise Level (dBA)	Athletic Field Noise Level (dBA)	Combined Noise Level (dBA)	Existing Ambient Noise Level (dBA)	New Ambient Noise Level (dBA)	Increase
12917 W. Galewood Street	34.3	47.0	47.3	60.7	60.9	0.2
12920 W. Galewood Street	37.0	50.5	50.6	44.9	51.7	6.8
12927 W. Galewood Street	29.9	42.5	42.8	44.9	47.0	2.1
12934 W. Galewood Street	23.1	35.7	36.0	44.9	45.4	0.5
12937 W. Galewood Street	17.5	30.1	30.3	44.9	45.0	0.1
12947 W. Galewood Street	18.2	30.8	31.0	44.9	45.1	0.2
12948 W. Galewood Street	11.7	24.3	24.5	44.9	44.9	0.0
12959 W. Galewood Street	9.4	22.0	22.2	44.9	44.9	0.0
12966 W. Galewood Street	8.8	21.4	21.6	44.9	44.9	0.0
12971 W. Galewood Street	8.0	20.6	20.8	44.9	44.9	0.0
3901 N. Van Noord Avenue	26.9	37.1	37.5	68.2	68.2	0.0
3905 N. Van Noord Avenue	32.9	45.5	45.8	68.2	68.2	0.0
3911 N. Van Noord Avenue	28.5	41.2	41.4	68.2	68.2	0.0
3917 N. Van Noord Avenue	24.1	36.8	37.0	60.7	60.7	0.0
3921 N. Van Noord Avenue	19.9	32.5	32.7	60.7	60.7	0.0
12949 W. Blairwood Drive	37.0	50.5	50.6	44.9	51.7	6.8
12950 W. Blairwood Drive	16.8	29.5	29.7	44.9	45.0	0.1
12951 W. Blairwood Drive	26.7	39.5	39.7	44.9	46.1	1.2
12952 W. Blairwood Drive	31.2	44.0	44.2	44.9	47.6	2.7
12954 W. Blairwood Drive	12.5	25.5	25.7	44.9	45.0	0.1
12956 W. Blairwood Drive	11.6	24.5	24.7	44.9	44.9	0.0
12958 W. Blairwood Drive	13.0	26.0	26.2	44.9	45.0	0.1
12960 W. Blairwood Drive	12.1	24.7	24.9	44.9	44.9	0.0
12965 W. Blairwood Drive	22.4	34.9	35.2	44.9	45.3	0.4
12970 W. Blairwood Drive	9.6	22.2	22.5	44.9	44.9	0.0
12979 W. Blairwood Drive	13.6	26.2	26.4	44.9	45.0	0.1
12980 W. Blairwood Drive	7.4	20.0	20.2	44.9	44.9	0.0
12997 W. Blairwood Drive	6.5	19.0	19.2	44.9	44.9	0.0
13070 W. Blairwood Drive	7.4	21.3	21.4	44.9	44.9	0.0
3630 Potosi Drive	11.8	24.6	24.8	50.2	50.2	0.0
3635 Potosi Drive	13.4	26.3	26.5	50.2	50.2	0.0
3643 Potosi Drive	14.7	27.5	27.8	50.2	50.2	0.0
3646 Potosi Drive	17.1	29.7	30.0	50.2	50.2	0.0
3654 Potosi Drive	21.3	33.8	34.1	50.2	50.3	0.1
3663 Potosi Drive	38.0	50.7	50.9	50.2	53.6	3.4
12850 Haillkirk Street	18.3	30.9	31.1	68.2	68.2	0.0
Harvard-Westlake School (Munger Science Center)	22.3	47.4	47.5	50.7	52.4	1.7
Sunnyside Preschool	17.6	40.1	40.2	55.4	55.5	0.1
Residences on Longridge Avenue	14.8	27.3	27.6	47.5	47.5	0.0

Harvard-Westlake Upper School Infrastructure Project Recirculated Draft EIR
Recreational Noise Levels for 24-Hour

Existing CNEL				Future CNEL			
Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA	Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA
12:00 a.m.	40.0	10	50.0	12:00 a.m.	40.0	10	50.0
1:00 a.m.	40.0	10	50.0	1:00 a.m.	40.0	10	50.0
2:00 a.m.	40.0	10	50.0	2:00 a.m.	40.0	10	50.0
3:00 a.m.	40.0	10	50.0	3:00 a.m.	40.0	10	50.0
4:00 a.m.	40.0	10	50.0	4:00 a.m.	40.0	10	50.0
5:00 a.m.	40.0	10	50.0	5:00 a.m.	40.0	10	50.0
6:00 a.m.	40.0	10	50.0	6:00 a.m.	40.0	10	50.0
7:00 a.m.	47.5	0	47.5	7:00 a.m.	47.5	0	47.5
8:00 a.m.	47.5	0	47.5	8:00 a.m.	52.2	0	52.2
9:00 a.m.	47.5	0	47.5	9:00 a.m.	52.2	0	52.2
10:00 a.m.	47.5	0	47.5	10:00 a.m.	52.2	0	52.2
11:00 a.m.	47.5	0	47.5	11:00 a.m.	52.2	0	52.2
12:00 p.m.	47.5	0	47.5	12:00 p.m.	52.2	0	52.2
1:00 p.m.	47.5	0	47.5	1:00 p.m.	52.2	0	52.2
2:00 p.m.	47.5	0	47.5	2:00 p.m.	52.2	0	52.2
3:00 p.m.	44.9	0	44.9	3:00 p.m.	51.5	0	51.5
4:00 p.m.	44.9	0	44.9	4:00 p.m.	51.5	0	51.5
5:00 p.m.	44.9	0	44.9	5:00 p.m.	51.5	0	51.5
6:00 p.m.	44.9	0	44.9	6:00 p.m.	51.5	0	51.5
7:00 p.m.	44.9	4.77	49.7	7:00 p.m.	51.5	4.77	56.3
8:00 p.m.	44.9	4.77	49.7	8:00 p.m.	51.5	4.77	56.3
9:00 p.m.	44.9	4.77	49.7	9:00 p.m.	44.9	4.77	49.7
10:00 p.m.	40.0	10	50.0	10:00 p.m.	40.0	10	50.0
11:00 p.m.	40.0	10	50.0	11:00 p.m.	40.0	10	50.0
CNEL, dBA			48.3	CNEL, dBA			51.3

The worst-case CNEL increase would occur during summer recess when the athletic practice would have the most proposed operating hours (8:00 a.m. to 8:00 p.m. /a/ Noise levels for athletic field during hours of operation were taken during field noise monitoring at the existing athletic field. A presumed noise levels (50 dBA for daytime hours [7:00 a.m. to 10:00 p.m.] and 40 dBA for nighttime hours [10:00 p.m. to 7:00 a.m.]) from the Los Angeles Municipality Code would be used for nonoperating hours.

/b/ The weight takes into account that evening and nighttime noise levels are potentially more disturbing than equal daytime noise levels. Based on the Technical Noise Supplement, a 4.77 dbA "penalty" would be applied to evening hours (7:00 p.m. - 10:00 p.m.) and a 10 dbA "penalty" would be applied to nighttime hours (10:00 p.m. - 7:00 a.m.). There are no penalty for daytime hours.

**Harvard-Westlake Upper School Infrastructure Project Recirculated Draft EIR
Parking Noise Levels for 24-Hour**

Existing CNEL				Future CNEL			
Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA	Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA
12:00 a.m.	40.0	10	50.0	12:00 a.m.	40.0	10	50.0
1:00 a.m.	40.0	10	50.0	1:00 a.m.	40.0	10	50.0
2:00 a.m.	40.0	10	50.0	2:00 a.m.	40.0	10	50.0
3:00 a.m.	40.0	10	50.0	3:00 a.m.	40.0	10	50.0
4:00 a.m.	40.0	10	50.0	4:00 a.m.	40.0	10	50.0
5:00 a.m.	40.0	10	50.0	5:00 a.m.	40.0	10	50.0
6:00 a.m.	40.0	10	50.0	6:00 a.m.	40.0	10	50.0
7:00 a.m.	47.5	0	47.5	7:00 a.m.	47.9	0	47.9
8:00 a.m.	47.5	0	47.5	8:00 a.m.	47.9	0	47.9
9:00 a.m.	47.5	0	47.5	9:00 a.m.	47.9	0	47.9
10:00 a.m.	47.5	0	47.5	10:00 a.m.	47.9	0	47.9
11:00 a.m.	47.5	0	47.5	11:00 a.m.	47.9	0	47.9
12:00 p.m.	47.5	0	47.5	12:00 p.m.	47.9	0	47.9
1:00 p.m.	47.5	0	47.5	1:00 p.m.	47.9	0	47.9
2:00 p.m.	47.5	0	47.5	2:00 p.m.	47.9	0	47.9
3:00 p.m.	44.9	0	44.9	3:00 p.m.	45.6	0	45.6
4:00 p.m.	44.9	0	44.9	4:00 p.m.	45.6	0	45.6
5:00 p.m.	44.9	0	44.9	5:00 p.m.	45.6	0	45.6
6:00 p.m.	44.9	0	44.9	6:00 p.m.	45.6	0	45.6
7:00 p.m.	44.9	4.77	49.7	7:00 p.m.	45.6	4.77	50.4
8:00 p.m.	44.9	4.77	49.7	8:00 p.m.	44.9	4.77	49.7
9:00 p.m.	44.9	4.77	49.7	9:00 p.m.	44.9	4.77	49.7
10:00 p.m.	40	10	50.0	10:00 p.m.	40	10	50.0
11:00 p.m.	40	10	50.0	11:00 p.m.	40	10	50.0
CNEL, dBA			48.3	CNEL, dBA			48.6

The worst-case CNEL increase would occur during summer recess when the athletic practice would have the most proposed operating hours (8:00 a.m. to 8:00 p.m. /a/ Noise levels for athletic field during hours of operation were taken during field noise monitoring at the existing athletic field. A presumed noise levels (50 dBA for daytime hours [7:00 a.m. to 10:00 p.m.] and 40 dBA for nighttime hours [10:00 p.m. to 7:00 a.m.]) from the Los Angeles Municipality Code would be used for nonoperating hours.

/b/ The weight takes into account that evening and nighttime noise levels are potentially more disturbing than equal daytime noise levels. Based on the Technical Noise Supplement, a 4.77 dbA "penalty" would be applied to evening hours (7:00 p.m. - 10:00 p.m.) and a 10 dbA "penalty" would be applied to nighttime hours (10:00 p.m. - 7:00 a.m.). There are no penalty for daytime hours.

**Harvard-Westlake Upper School Infrastructure Project Recirculated Draft EIR
Recreational Noise Levels for 24-Hour**

Existing CNEL				Future CNEL			
Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA	Hour	Noise Level, dBA Leq /a/	Weight, dBA /b/	Weighted Noise, dBA
12:00 a.m.	40.0	10	50.0	12:00 a.m.	40.0	10	50.0
1:00 a.m.	40.0	10	50.0	1:00 a.m.	40.0	10	50.0
2:00 a.m.	40.0	10	50.0	2:00 a.m.	40.0	10	50.0
3:00 a.m.	40.0	10	50.0	3:00 a.m.	40.0	10	50.0
4:00 a.m.	40.0	10	50.0	4:00 a.m.	40.0	10	50.0
5:00 a.m.	40.0	10	50.0	5:00 a.m.	40.0	10	50.0
6:00 a.m.	40.0	10	50.0	6:00 a.m.	40.0	10	50.0
7:00 a.m.	47.5	0	47.5	7:00 a.m.	47.9	0	47.9
8:00 a.m.	47.5	0	47.5	8:00 a.m.	52.2	0	52.2
9:00 a.m.	47.5	0	47.5	9:00 a.m.	52.2	0	52.2
10:00 a.m.	47.5	0	47.5	10:00 a.m.	52.2	0	52.2
11:00 a.m.	47.5	0	47.5	11:00 a.m.	52.2	0	52.2
12:00 p.m.	47.5	0	47.5	12:00 p.m.	52.2	0	52.2
1:00 p.m.	47.5	0	47.5	1:00 p.m.	52.2	0	52.2
2:00 p.m.	47.5	0	47.5	2:00 p.m.	52.2	0	52.2
3:00 p.m.	44.9	0	44.9	3:00 p.m.	51.5	0	51.5
4:00 p.m.	44.9	0	44.9	4:00 p.m.	51.5	0	51.5
5:00 p.m.	44.9	0	44.9	5:00 p.m.	51.5	0	51.5
6:00 p.m.	44.9	0	44.9	6:00 p.m.	51.5	0	51.5
7:00 p.m.	44.9	4.77	49.7	7:00 p.m.	51.5	4.77	56.3
8:00 p.m.	44.9	4.77	49.7	8:00 p.m.	51.5	4.77	56.3
9:00 p.m.	44.9	4.77	49.7	9:00 p.m.	44.9	4.77	49.7
10:00 p.m.	40.0	10	50.0	10:00 p.m.	40.0	10	50.0
11:00 p.m.	40.0	10	50.0	11:00 p.m.	40.0	10	50.0
CNEL, dBA			48.3	CNEL, dBA			51.3

The worst-case CNEL increase would occur during summer recess when the athletic practice would have the most proposed operating hours (8:00 a.m. to 8:00 p.m. /a/ Noise levels for athletic field during hours of operation were taken during field noise monitoring at the existing athletic field. A presumed noise levels (50 dBA for daytime hours [7:00 a.m. to 10:00 p.m.] and 40 dBA for nighttime hours [10:00 p.m. to 7:00 a.m.]) from the Los Angeles Municipality Code would be used for nonoperating hours.

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Harvard-Westlake Parking Improvement Plan Recirculated Draft EIR
 School Bus Noise Levels

Reference Noise Distance	50						
Reference Noise Level	62						
Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase	
Single-Family Residences Located Adjacent	50	0	62.0	50.2	62.3	12.1	
Single-Family Residences Located Along Avenue Del Sol	160	5	44.4	47.5	49.2	1.7	
Sunnyside Preschool	175	5	43.4	47.5	48.9	1.4	
Single-Family Residences Located Along Hacienda Drive	485	0	37.3	55.4	55.5	0.1	