Impact Sciences, Inc., "Alternative 6, Distances to Contours from Centerline: Alternative 6, and Predicted Alternative 6 Cumulative Roadway Noise Levels at Noise Sensitive Locations" (September 2007)

ALTERNATIVE D-6					
	Highest		Distance to Contour From Centerline (feet)		
	Peak Hour	Speed	60 dB(A)	65 dB(A)	70 dB(A)
Segment	Volumes*	Limit	CNEL	CNEL	CNEL
SR-126 w/o Potrero Valley Rd	2945	65	290	190	120
SR-126 w/o Long Canyon Road	3890	65	345	220	135
SR-126 w/o Commerce Ctr Dr.	7750	65	500	300	175
Long Canyon Rd. s/o SR-126	3230	45	220	130	85
Long Cyn Rd. n/o Potrero Valley Rd.	1970	45	175	105	65
Magic Mtn Pkwy e/o Commerce Ctr Dr.	5530	50	330	180	105
Magic Mtn Pkwy e/o Potrero Valley Rd.	1690	45	160	95	55
Magic Mtn Pkwy w/o Commerce Ctr Dr.	2465	45	190	110	70
Potrero Valley Rd. e/o Long Cyn Rd.	3620	45	240	140	90
Potrero Valley Rd. e/o Magic Mtn Pkwy	5100	45	260	150	100
Potrero Valley Rd. s/o SR-126	1450	45	145	90	50
Potrero Valley Rd. w/o Long Cyn Rd.	3000	45	200	115	75
* Highest Peak Hour is 8% of ADTs; ** 70 dB(A) CNEL Contour is within road right-of-way.					

Newhall Ranch EIR/EIS
Santa Clarita Valley Buildout
Off-Site Noise Conditions
With Project
Based on April 2007 Traffic Report

ALTERNATIVE D-6

ROADWAY NAME Segment	Land Use	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	dB(A) CNEL
MCBEAN PARKWAY											
e/o Interstate 5 (Cal Arts College)		6	14	52,000	45	192	0.5	0	8.0%	2.0%	67.8
e/o Tournament Road (SFR)		6	14	37,000	45	59	0.5	-5	8.0%	2.0%	70.5
e/o Tournament Road (Church of Latter Day Saints)		6	14	37,000	45	114	0.5	0	8.0%	2.0%	70.0
s/o Valencia Boulevard (SFR)		6	14	46,000	45	61	0.5	-5	8.0%	2.0%	71.1
s/o Valencia Boulevard (MFR)		6	14	46,000	45	54	0.5	-5	8.0%	2.0%	72.5
s/o Valencia Boulevard (Hospital)		6	14	46,000	45	312	0.5	0	8.0%	2.0%	64.0
n/o Newhall Ranch Road (SFR)		6	14	47,000	45	180	0.5	0	8.0%	2.0%	67.8
STATE ROUTE 126											
w/o Commerce Center Drive (Travel Village)		8	24	79,000	55	100	0.5	0	8.0%	2.0%	76.6
w/o Potrero Valley Road (Ventura County)		8	24	32,000	55	100	0.5	0	8.0%	2.0%	72.6
VALENCIA BOULEVARD											
e/o Tourney Road (SFR)		8	14	63,000	45	103	0.5	-5	8.0%	2.0%	68.4
e/o Tourney Road (MFR)		8	14	63,000	45	88	0.5	-5	8.0%	2.0%	69.8
w/o McBean Parkway (MFR)		8	14	69,000	45	80	0.5	0	8.0%	2.0%	76.1
w/o Magic Mountain Parkway (Valencia Library)		6	14	56,000	45	80	0.5	0	8.0%	2.0%	74.5
NEWHALL RANCH ROAD											
w/o Hillsborough Way (SFR)		6	14	70,000	45	93	0.5	-5	8.0%	2.0%	69.2
w/o Hillsborough Way (Park)		6	14	70,000	45	143	0.5	0	8.0%	2.0%	71.1
w/o Bouquet Canyon Road (MFR)		6	14	67,000	45	73	0.5	-5	8.0%	2.0%	71.0
MAGIC MOUNTAIN PARKWAY											
w/o San Fernando Road (MFR)		6	14	52,000	40	63	0.5	0	8.0%	2.0%	75.4
ORCHARD VILLAGE											
s/o McBean Parkway (SFR)		6	14	43,000	45	42	0.5	-5	8.0%	2.0%	76.6
s/o McBean Parkway (Pinecrest School)		6	14	43,000	45	96	0.5	0	8.0%	2.0%	71.9
s/o Wiley Canyon Road (SFR)		6	14	32,000	45	42	0.5	-5	8.0%	2.0%	75.3
LYONS ROAD											
e/o Wiley Canyon Road (SFR)		6	14	41,000	45	54	0.5	-5	8.0%	2.0%	72.0
e/o Wiley Canyon Road (elementary school)		6	14	41,000	45	200	0.5	0	8.0%	2.0%	66.5
e/o Orchard Village Drive (church/school)		6	14	46,000	45	61	0.5	0	8.0%	2.0%	76.1
SAN FERNANDO ROAD/BOUQUET CANYON ROAD											
s/o Placerita Canyon Road (mixed residential)		6	14	57,000	45	50	0.5	0	8.0%	2.0%	79.4
ROCKWELL CANYON ROAD											
n/o McBean Parkway (SFR)		4	14	21,000	45	114	0.5	0	8.0%	2.0%	67.3
WILEY CANYON ROAD											
n/o Lyons Road (SFR)		6	14	25,000	45	42	0.5	-5	8.0%	2.0%	74.3
n/o Lyons Road (day care facility)		6	14	25,000	45	50	0.5	0	8.0%	2.0%	75.8
e/o Tournament (SFR)		6	14	22,000	45	42	0.5	-5	8.0%	2.0%	73.7
THE OLD ROAD											
s/o Magic Mountain Parkway (MFR)		6	14	25,000	40	150	0.5	0	8.0%	2.0%	65.4
WESTRIDGE PARKWAY											
n/o Valencia Boulevard (SFR)		4	0	9,000	40	49	0.5	-5	8.0%	2.0%	63.5

n/a = data not available
(1) Distance to centerline of roadway.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	78.00%	12.00%	10.00%
Medium-Duty Trucks	77.00%	10.00%	13.00%
Heavy-Duty Trucks	75.00%	7.00%	18.00%