Construction Generated Noise

Building Type	Office, Hotel, Hospital, School, Public Works		**Distance (ft)**	hard or soft
Construction Noise at 50 Feet (dBA Leq)			50	0

Construction Phase	All Applicable Equipment in Use[1]	Minimum Required Equipment in Use[1]
Ground Clearing/Demolition	84	84
Excavation	89	79
Foundation Construction	78	78
Building Construction	87	75
Finishing and Site Cleanup	89	75

Residential Use to the Northwest of the Project Site

Construction Noise (dBA Leq)	Distances to Offsite Receptors (ft)			
Construction Phase	to north	to east	to south	to west
Fine Arts	390	8,650	1,932	510
Ground Clearing/Demolition	66	39	52	64
Excavation (Site Preparation)	71	44	57	69
Foundation Construction	60	33	46	58
Building Construction	69	42	55	67
Paving	71	44	57	69
Student Services North	500	8,150	2,030	1,025
Ground Clearing/Demolition	64	40	52	58
Excavation (Site Preparation)	69	45	57	63
Foundation Construction	58	34	46	52
Building Construction	67	43	55	61
Paving	69	45	57	63
Student Center	1,060	7,500	1,780	1,340
Ground Clearing/Demolition	57	40	53	55
Excavation (Site Preparation)	62	45	58	60
Foundation Construction	51	34	47	49
Building Construction	60	43	56	58
Paving	62	45	58	60
Bookstore	1,360	7,500	1,712	1,370
Ground Clearing/Demolition	55	40	53	55
Excavation (Site Preparation)	60	45	58	60
Foundation Construction	49	34	47	49
Building Construction	58	43	56	58
Paving	60	45	58	60
Makerspace	1,340	7,250	1,950	1,620
Ground Clearing/Demolition	55	41	52	54
Excavation (Site Preparation)	60	46	57	59
Foundation Construction	49	35	46	48
Building Construction	58	44	55	57
Paving	60	46	57	59
Library/Learning Resources	1,470	7,270	1,770	1,550
Ground Clearing/Demolition	55	41	53	54
Excavation (Site Preparation)	60	46	58	59
Foundation Construction	49	35	47	48
Building Construction	58	44	56	57
Paving	60	46	58	59
Technical Education	1,360	6,770	2,210	1,960
Ground Clearing/Demolition	55	41	51	52
Excavation (Site Preparation)	60	46	56	57
Foundation Construction	49	35	45	46
Building Construction	58	44	54	55
Paving	60	46	56	57
Science	1,930	7,550	1,215	1,080
Ground Clearing/Demolition	52	40	56	57
Excavation (Site Preparation)	57	45	61	62
Foundation Construction	46	34	50	51
Building Construction	55	43	59	60
Paving	57	45	61	62
Auditorium	1,540	8,270	710	380
Ground Clearing/Demolition	54	40	61	66
Excavation (Site Preparation)	59	45	66	71
Foundation Construction	48	34	55	60
Building Construction	57	43	64	69
Paving	59	45	66	71
School of Continuing Education	150	7,000	3,350	560
Ground Clearing/Demolition	74	41	47	63
Excavation (Site Preparation)	79	46	52	68
Foundation Construction	68	35	41	57
Building Construction	77	44	50	66
Paving	79	46	52	68
Adult Education	120	6,730	3,780	500
Ground Clearing/Demolition	76	41	46	64
Excavation (Site Preparation)	81	46	51	69
Foundation Construction	70	35	40	58
Building Construction	79	44	49	67
Paving	81	46	51	69
Campus Safety	1,620	6,175	2,710	3,060
Ground Clearing/Demolition	54	42	49	48
Excavation (Site Preparation)	59	47	54	53
Foundation Construction	48	36	43	42
Building Construction	57	45	52	51
Paving	59	47	54	53

Physical Education Complex	2,080	5,480	2,160	3,020
Ground Clearing/Demolition	52	43	51	48
Excavation (Site Preparation)	57	48	56	53
Foundation Construction	46	37	45	42
Building Construction	55	46	54	51
Paving	57	48	56	53
Nature Center	3,680	6,950	410	1,530
Ground Clearing/Demolition	47	41	66	54
Excavation (Site Preparation)	52	46	71	59
Foundation Construction	41	35	60	48
Building Construction	50	44	69	57
Paving	52	46	71	59
Parking Structure B	1,200	8,440	940	535
Ground Clearing/Demolition	56	39	59	63
Excavation (Site Preparation)	61	44	64	68
Foundation Construction	50	33	53	57
Building Construction	59	42	62	66
Paving	61	44	64	68
Parking Structure F	1,390	5,800	2,660	3,020
Ground Clearing/Demolition	55	43	49	48
Excavation (Site Preparation)	60	48	54	53
Foundation Construction	49	37	43	42
Building Construction	58	46	52	51
Paving	60	48	54	53
Parking Structure S	2,040	6,150	2,010	2,440
Ground Clearing/Demolition	52	42	52	50
Excavation (Site Preparation)	57	47	57	55
Foundation Construction	46	36	46	44
Building Construction	55	45	55	53
Paving	57	47	57	55
Parking Structure R	2,510	5,480	1,400	3,060
Ground Clearing/Demolition	50	43	55	48
Excavation (Site Preparation)	55	48	60	53
Foundation Construction	44	37	49	42
Building Construction	53	46	58	51
Paving	55	48	60	53
Sand Volley Ball	2,680	7,060	1,390	1,210
Ground Clearing/Demolition	49	41	55	56
Excavation (Site Preparation)	54	46	60	61
Foundation Construction	43	35	49	50
Building Construction	52	44	58	59
Paving	54	46	60	61
Heritage Hall	2,440	5,275	2,000	3,630
Ground Clearing/Demolition	50	44	52	47
Excavation (Site Preparation)	55	49	57	52
Foundation Construction	44	38	46	41
Building Construction	53	47	55	50
Paving	55	49	57	52
Reused Depot	3,475	5,935	770	2,460
Ground Clearing/Demolition	47	43	60	50
Excavation (Site Preparation)	52	48	65	55
Foundation Construction	41	37	54	44
Building Construction	50	46	63	53
Paving	52	48	65	55

Construction Generated Vibration

		Closest Distance (feet):	120
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Vibratory roller	0.21	0.020	
Caisson Drill	0.089	0.008	
Large bulldozer	0.089	0.008	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.003	
Loaded trucks	0.076	0.007	
	Criteria	0.040	

Based on distance to nearest structure

[1.] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Assessment (2006).

Tennis Court Noise

			Distance (ft)	hard or soft
			3.28	0
Construction Phase	**Distance from Source**	**Average Noise Level (Leq)**	**Maximum Noise Level (Lmax)**	**Spectators**
Individual	3.28	72	84	
Crowd	3.28	99	111	500
Tennis Courts at Parking Structure R	1100	48	60	
Noise Threshold				
Day (7 am to 10 pm)		55	75	
Night (10 pm to 7 am)		50	70	
Exceeds Thresholds?		No	No	

Table 2. Equivalent sound levels of speakers at a distance of 1m from the speaker's mouth for indicated vocal efforts

Voice Effort	Average Speech Level (dB(A))
Whispering	36
Soft Speaking	42
Relaxed Speaking	48
Relaxed Normal Speaking	54
Raised Normal Speaking	60
Raised Speaking	66
Loud Speaking	72
Very Loud Speaking	78
Shouting	84
Maximal Shout	90
Maximal Shout (Individuals)	96

Source: (Lazarus (1986))

Mt SAC EFMP

Roadway Segment		Distance to CNEL from Roadway Centerline				Noise Level (CNEL or Ldn) at Distance from Roadway Centerline										
						Existing			Future No Proj			Future Plus Proj			Change	Change
		Existing	e With Pr	Change	Change											
		100.0	100.0	From	due to	100	100	100	100	100	100	100	100	100	From	due to
		Feet	Feet	Existing	Project	feet	feet	feet	feet	feet	feet	feet	feet	feet	Existing	Project
Amar Rd/Nogales St	East Leg	72.0	72.4	0	0	72.0	72.0	72.0	72.3	72.3	72.3	72.4	72.4	72.4	+0.4	+0.1
Amar Rd/Nogales St	West Leg	73.3	73.7	0	0	73.3	73.3	73.3	73.6	73.6	73.6	73.7	73.7	73.7	+0.4	+0.0
Amar Rd/Nogales St	North Leg	56.1	56.5	0	0	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	+0.4	---
Amar Rd/Nogales St	South Leg	70.1	70.5	0	0	70.1	70.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	+0.4	+0.0
Amar Rd/Lemon Ave	East Leg	71.1	71.4	0	0	71.1	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	+0.4	+0.1
Amar Rd/Lemon Ave	West Leg	71.7	72.1	0	0	71.7	71.7	71.7	72.0	72.0	72.0	72.1	72.1	72.1	+0.4	+0.1
Amar Rd/Lemon Ave	North Leg	58.5	58.9	0	0	58.5	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	+0.4	---
Amar Rd/Lemon Ave	South Leg	65.0	65.4	0	0	65.0	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	+0.4	+0.0
Amar Rd/Meadow Pa	East Leg	71.7	72.1	0	0	71.7	71.7	71.7	72.0	72.0	72.0	72.1	72.1	72.1	+0.4	+0.1
Amar Rd/Meadow Pa	West Leg	71.2	71.6	0	0	71.2	71.2	71.2	71.5	71.5	71.5	71.6	71.6	71.6	+0.4	+0.1
Amar Rd/Meadow Pa	North Leg	61.2	61.6	0	0	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	+0.4	---
Amar Rd/Meadow Pa	South Leg	63.7	64.1	0	0	63.7	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1	+0.4	+0.0
Temple Ave/Grand Av	East Leg	70.8	71.3	0	0	70.8	70.8	70.8	71.0	71.0	71.0	71.3	71.3	71.3	+0.4	+0.3
Temple Ave/Grand Av	West Leg	70.7	71.1	0	0	70.7	70.7	70.7	71.0	71.0	71.0	71.1	71.1	71.1	+0.4	+0.1
Temple Ave/Grand Av	North Leg	72.2	72.6	0	0	72.2	72.2	72.2	72.4	72.4	72.4	72.6	72.6	72.6	+0.4	+0.2
Temple Ave/Grand Av	South Leg	74.0	74.3	0	0	74.0	74.0	74.0	74.2	74.2	74.2	74.3	74.3	74.3	+0.4	+0.2
Temple Ave/Mt SAC	East Leg	70.4	70.8	0	0	70.4	70.4	70.4	70.5	70.5	70.5	70.8	70.8	70.8	+0.4	+0.3
Temple Ave/Mt SAC	West Leg	70.8	71.2	0	0	70.8	70.8	70.8	71.0	71.0	71.0	71.2	71.2	71.2	+0.4	+0.3
Temple Ave/Mt SAC	North Leg	63.1	63.6	1	1	63.1	63.1	63.1	63.1	63.1	63.1	63.6	63.6	63.6	+0.5	+0.5
Temple Ave/Mt SAC	South Leg	58.2	58.6	0	0	58.2	58.2	58.2	58.4	58.4	58.4	58.6	58.6	58.6	+0.4	+0.2
Temple Ave/Transit C	East Leg	70.5	70.9	0	0	70.5	70.5	70.5	70.6	70.6	70.6	70.9	70.9	70.9	+0.4	+0.3
Temple Ave/Transit C	West Leg	70.3	70.7	0	0	70.3	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.7	+0.4	+0.3
Temple Ave/Transit C	North Leg	57.1	57.5	0	0	57.1	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	+0.4	---
Temple Ave/Transit C	South Leg	4.8	50.1	45	45	4.8	4.8	4.8	4.8	4.8	4.8	50.1	50.1	50.1	+45.4	+45.4
Temple Ave/Bonita D	East Leg	72.5	72.9	0	0	72.5	72.5	72.5	72.6	72.6	72.6	72.9	72.9	72.9	+0.5	+0.3
Temple Ave/Bonita D	West Leg	70.3	70.8	0	0	70.3	70.3	70.3	70.5	70.5	70.5	70.8	70.8	70.8	+0.5	+0.3
Temple Ave/Bonita D	North Leg	63.8	64.6	1	1	63.8	63.8	63.8	63.8	63.8	63.8	64.6	64.6	64.6	+0.8	+0.8
Temple Ave/Bonita D	South Leg	58.4	58.9	0	0	58.4	58.4	58.4	58.6	58.6	58.6	58.9	58.9	58.9	+0.4	+0.3
Temple Ave/Lot F En	East Leg	72.6	73.0	0	0	72.6	72.6	72.6	72.7	72.7	72.7	73.0	73.0	73.0	+0.4	+0.3
Temple Ave/Lot F En	West Leg	72.5	72.9	0	0	72.5	72.5	72.5	72.6	72.6	72.6	72.9	72.9	72.9	+0.4	+0.3
Temple Ave/Lot F En	North Leg	54.1	54.6	1	1	54.1	54.1	54.1	54.1	54.1	54.1	54.6	54.6	54.6	+0.6	+0.6
Temple Ave/Lot F En	South Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Temple Ave/Universit	East Leg	73.4	73.8	0	0	73.4	73.4	73.4	73.5	73.5	73.5	73.8	73.8	73.8	+0.4	+0.3
Temple Ave/Universit	West Leg	72.6	73.0	0	0	72.6	72.6	72.6	72.7	72.7	72.7	73.0	73.0	73.0	+0.4	+0.3
Temple Ave/Universit	North Leg	65.6	65.9	0	0	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	+0.4	---
Temple Ave/Universit	South Leg	47.3	47.4	0	0	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	+0.1	---
Temple Ave/Campus	East Leg	72.6	73.0	0	0	72.6	72.6	72.6	72.9	72.9	72.9	73.0	73.0	73.0	+0.4	+0.1
Temple Ave/Campus	West Leg	73.6	74.0	0	0	73.6	73.6	73.6	73.7	73.7	73.7	74.0	74.0	74.0	+0.4	+0.2
Temple Ave/Campus	North Leg	70.6	71.0	0	0	70.6	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.0	+0.4	+0.2
Temple Ave/Campus	South Leg	61.0	61.4	0	0	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	+0.4	---
Kellogg Dr/Campus D	East Leg	63.6	64.0	0	0	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0	+0.4	---
Kellogg Dr/Campus D	West Leg	66.8	67.2	0	0	66.8	66.8	66.8	67.0	67.0	67.0	67.2	67.2	67.2	+0.4	+0.1
Kellogg Dr/Campus D	North Leg	68.6	69.0	0	0	68.6	68.6	68.6	68.8	68.8	68.8	69.0	69.0	69.0	+0.4	+0.2
Kellogg Dr/Campus D	South Leg	70.7	71.1	0	0	70.7	70.7	70.7	70.9	70.9	70.9	71.1	71.1	71.1	+0.4	+0.2
Temple Ave/Valley Bl	East Leg	71.8	72.1	0	0	71.8	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.1	+0.4	+0.1
Temple Ave/Valley Bl	West Leg	72.8	73.2	0	0	72.8	72.8	72.8	73.0	73.0	73.0	73.2	73.2	73.2	+0.4	+0.1
Temple Ave/Valley Bl	North Leg	71.1	71.5	0	0	71.1	71.1	71.1	71.5	71.5	71.5	71.5	71.5	71.5	+0.4	+0.0
Temple Ave/Valley Bl	South Leg	70.9	71.3	0	0	70.9	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	+0.4	---
Temple Ave/Pomona	East Leg	73.2	73.7	0	0	73.2	73.2	73.2	73.6	73.6	73.6	73.7	73.7	73.7	+0.4	+0.1
Temple Ave/Pomona	West Leg	71.7	72.1	0	0	71.7	71.7	71.7	71.9	71.9	71.9	72.1	72.1	72.1	+0.4	+0.1
Temple Ave/Pomona	North Leg	66.8	67.2	0	0	66.8	66.8	66.8	67.2	67.2	67.2	67.2	67.2	67.2	+0.4	---
Temple Ave/Pomona	South Leg	69.3	69.7	0	0	69.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	+0.4	---
Temple Ave/Shell Dri	East Leg	71.5	72.0	0	0	71.5	71.5	71.5	71.9	71.9	71.9	72.0	72.0	72.0	+0.4	+0.0
Temple Ave/Shell Dri	West Leg	73.8	74.2	0	0	73.8	73.8	73.8	74.1	74.1	74.1	74.2	74.2	74.2	+0.4	+0.1
Temple Ave/Shell Dri	North Leg	69.7	70.1	0	0	69.7	69.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	+0.4	+0.1
Temple Ave/Shell Dri	South Leg	47.6	48.0	0	0	47.6	47.6	47.6	48.0	48.0	48.0	48.0	48.0	48.0	+0.3	---
Temple Ave/SR-NB R	East Leg	73.7	74.1	0	0	73.7	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	+0.4	+0.0
Temple Ave/SR-NB R	West Leg	73.6	73.9	0	0	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	+0.4	+0.0
Temple Ave/SR-NB R	North Leg	62.2	62.6	0	0	62.2	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	+0.4	---
Temple Ave/SR-NB R	South Leg	66.0	66.4	0	0	66.0	66.0	66.0	66.3	66.3	66.3	66.4	66.4	66.4	+0.4	+0.1
I-10 WB Ramps/Gran	East Leg	55.6	55.9	0	0	55.6	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	+0.4	---
I-10 WB Ramps/Gran	West Leg	64.3	64.9	1	0	64.3	64.3	64.3	64.8	64.8	64.8	64.9	64.9	64.9	+0.6	+0.2
I-10 WB Ramps/Gran	North Leg	71.6	72.0	0	0	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	+0.4	+0.0
I-10 WB Ramps/Gran	South Leg	71.2	71.7	0	0	71.2	71.2	71.2	71.6	71.6	71.6	71.7	71.7	71.7	+0.5	+0.1
I-10 EB Ramps/Grand	East Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
I-10 EB Ramps/Grand	West Leg	65.0	65.6	1	0	65.0	65.0	65.0	65.4	65.4	65.4	65.6	65.6	65.6	+0.6	+0.3
I-10 EB Ramps/Grand	North Leg	71.2	71.6	0	0	71.2	71.2	71.2	71.5	71.5	71.5	71.6	71.6	71.6	+0.4	+0.1
I-10 EB Ramps/Grand	South Leg	70.9	71.4	0	0	70.9	70.9	70.9	71.2	71.2	71.2	71.4	71.4	71.4	+0.5	+0.3
Holt Ave/Grand Ave	East Leg	65.3	65.7	0	0	65.3	65.3	65.3	65.6	65.6	65.6	65.7	65.7	65.7	+0.4	+0.0
Holt Ave/Grand Ave	West Leg	61.4	61.8	0	0	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	+0.4	---
Holt Ave/Grand Ave	North Leg	70.9	71.3	0	0	70.9	70.9	70.9	71.0	71.0	71.0	71.3	71.3	71.3	+0.4	+0.3
Holt Ave/Grand Ave	South Leg	71.8	72.2	0	0	71.8	71.8	71.8	72.0	72.0	72.0	72.2	72.2	72.2	+0.4	+0.2

Cortez St/Grand Ave	East Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Cortez St/Grand Ave	West Leg	57.4	57.8	0	0	57.4	57.4	57.4	57.8	57.8	57.8	57.8	57.8	57.8	+0.4	---
Cortez St/Grand Ave	North Leg	71.8	72.2	0	0	71.8	71.8	71.8	71.9	71.9	71.9	72.2	72.2	72.2	+0.4	+0.2
Cortez St/Grand Ave	South Leg	71.7	72.1	0	0	71.7	71.7	71.7	71.9	71.9	71.9	72.1	72.1	72.1	+0.4	+0.2
Cameron Ave/Barran	East Leg	68.7	69.1	0	0	68.7	68.7	68.7	69.0	69.0	69.0	69.1	69.1	69.1	+0.4	+0.1
Cameron Ave/Barran	West Leg	69.7	70.1	0	0	69.7	69.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	+0.4	+0.1
Cameron Ave/Barran	North Leg	66.3	66.7	0	0	66.3	66.3	66.3	66.6	66.6	66.6	66.7	66.7	66.7	+0.4	+0.0
Cameron Ave/Barran	South Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Cameron Ave/Grand	East Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Cameron Ave/Grand	West Leg	65.7	66.1	0	0	65.7	65.7	65.7	66.0	66.0	66.0	66.1	66.1	66.1	+0.4	+0.1
Cameron Ave/Grand	North Leg	71.7	72.1	0	0	71.7	71.7	71.7	71.8	71.8	71.8	72.1	72.1	72.1	+0.4	+0.2
Cameron Ave/Grand	South Leg	72.9	73.3	0	0	72.9	72.9	72.9	73.0	73.0	73.0	73.3	73.3	73.3	+0.4	+0.2
Mountaineer Rd/Gran	East Leg	65.6	66.2	1	1	65.6	65.6	65.6	65.7	65.7	65.7	66.2	66.2	66.2	+0.5	+0.5
Mountaineer Rd/Gran	West Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Mountaineer Rd/Gran	North Leg	73.1	73.5	0	0	73.1	73.1	73.1	73.3	73.3	73.3	73.5	73.5	73.5	+0.4	+0.2
Mountaineer Rd/Gran	South Leg	72.1	72.5	0	0	72.1	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	+0.4	+0.2
San Jose Hills Rd/Gra	East Leg	62.5	63.2	1	1	62.5	62.5	62.5	62.5	62.5	62.5	63.2	63.2	63.2	+0.7	+0.7
San Jose Hills Rd/Gra	West Leg	63.2	63.6	0	0	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	+0.4	+0.0
San Jose Hills Rd/Gra	North Leg	72.1	72.5	0	0	72.1	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	+0.4	+0.2
San Jose Hills Rd/Gra	South Leg	72.2	72.6	0	0	72.2	72.2	72.2	72.4	72.4	72.4	72.6	72.6	72.6	+0.4	+0.2
La Puente Rd/Grand	East Leg	62.5	62.9	0	0	62.5	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9	+0.4	---
La Puente Rd/Grand	West Leg	68.5	68.9	0	0	68.5	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	+0.4	+0.0
La Puente Rd/Grand	North Leg	74.0	74.4	0	0	74.0	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.4	+0.4	+0.2
La Puente Rd/Grand	South Leg	74.2	74.5	0	0	74.2	74.2	74.2	74.4	74.4	74.4	74.5	74.5	74.5	+0.4	+0.2
Valley Blvd/Grand Av	East Leg	73.5	74.0	0	0	73.5	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	+0.4	---
Valley Blvd/Grand Av	West Leg	74.3	74.7	0	0	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	+0.4	+0.0
Valley Blvd/Grand Av	North Leg	74.1	74.5	0	0	74.1	74.1	74.1	74.3	74.3	74.3	74.5	74.5	74.5	+0.4	+0.2
Valley Blvd/Grand Av	South Leg	73.4	73.8	0	0	73.4	73.4	73.4	73.6	73.6	73.6	73.8	73.8	73.8	+0.4	+0.2
Baker Pkwy/Grand Av	East Leg	4.8	4.8	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
Baker Pkwy/Grand Av	West Leg	60.4	60.8	0	0	60.4	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	+0.4	---
Baker Pkwy/Grand Av	North Leg	73.3	73.7	0	0	73.3	73.3	73.3	73.5	73.5	73.5	73.7	73.7	73.7	+0.4	+0.2
Baker Pkwy/Grand Av	South Leg	73.4	73.8	0	0	73.4	73.4	73.4	73.6	73.6	73.6	73.8	73.8	73.8	+0.4	+0.2
Brea Canyon Rd/SR-6	East Leg	63.6	64.1	0	0	63.6	63.6	63.6	63.7	63.7	63.7	64.1	64.1	64.1	+0.5	+0.4
Brea Canyon Rd/SR-6	West Leg	58.5	59.3	1	0	58.5	58.5	58.5	59.2	59.2	59.2	59.3	59.3	59.3	+0.8	+0.1
Brea Canyon Rd/SR-6	North Leg	73.4	73.9	0	0	73.4	73.4	73.4	73.7	73.7	73.7	73.9	73.9	73.9	+0.4	+0.2
Brea Canyon Rd/SR-6	South Leg	73.0	73.4	0	0	73.0	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	+0.4	+0.1

Assumptions:

Fleet Mix

92%	Autos
3%	Medium Trucks
5%	Heavy Trucks

Simplified to 2 lanes

feet from centerline

future

feet from centerline

Time of Day:

70%	Day
15%	Evening
15%	Night

Noise path decay parameter for hard site

Calculations using methods of Federal Highway Administration *Highway Traffic Noise Prediction Model*, December, 1978. Baseline California vehicle noise levels from Caltrans, TAN 95-03, 1995

FIELD NOISE MEASUREMENT DATA

PROJECT: Mt SAC PROJ. #

SITE IDENTIFICATION: North Grand NM OBSERVER(S): Kassie Sugimoto
START DATE/TIME: 9:55 9/27 END DATE/TIME: 9/27 10:18
ADDRESS:

METEOROLOGICAL CONDITIONS:
TEMP: 85.4 °F HUMIDITY: 40.6 %R.H. WIND: ☒ CALM ☐ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0.8 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☐ S ☒ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis 831 TYPE: ☐ 1 ☐ 2 SERIAL #: 1742
CALIBRATOR: Larson Davis Cal 200 SERIAL #: 6674
CALIBRATION CHECK: PRE-TEST 113.98 dBA SPL POST-TEST ____ dBA SPL WINDSCREEN Yes
SETTINGS: ☐ A-WEIGHTED ☐ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
144	9:55	10:15	70.2	93.6							

COMMENTS:

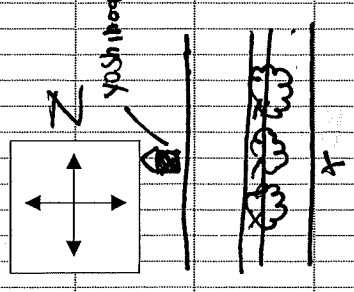
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☐ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:
TRAFFIC COUNT DURATION: 32 -MIN 45 SPEED #2 COUNT ____ SPEED

	☒NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB
AUTOS				
MED. TRUCKS:	I			
HVY TRUCKS:	II			
BUSES:	III			
MOTORCYCLES:	I			

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☐ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☐ BIRDS ☐ DIST. INDUSTRIAL ☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: music from parked cars & birds

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☐ SOFT ☐ MIXED ☐ FLAT ☐ OTHER:
PHOTOS:
OTHER COMMENTS/SKETCH:



10:07 - traffic backed up on road.
10:10 - Car horn from parking lot
10:12 - residents @ apartment complex behind the Vons/pet a making pounding noise like they are hammering
10:13 - Pedestrian walked passed machine eating a bag of chips

Photos
1. North
2. North - pic of road
3 South
4 South - pic of road
5 West
6 East

FIELD NOISE MEASUREMENT DATA

PROJECT: Mt SAC PROJ. #

SITE IDENTIFICATION: Edinger NM OBSERVER(S): Kassie Sugimoto
START DATE/TIME: 9/27 12:24 END DATE/TIME: 9/27
ADDRESS:

METEOROLOGICAL CONDITIONS:
TEMP: 90.3 °F HUMIDITY: 55.4 %R.H. WIND: ☒ CALM ☐ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 1.5 MPH DIR: ☒ N ☐ NE ☐ E ☐ SE ☐ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis 831 TYPE: ☐ 1 ☐ 2 SERIAL #: 1742
CALIBRATOR: Larson Davis Cal 200 SERIAL #: 6674
CALIBRATION CHECK: ~~PRE~~-TEST 114.04 dBA SPL POST-TEST ____ dBA SPL WINDSCREEN Yes
SETTINGS: ☐ A-WEIGHTED ☐ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
140	12:29	12:44	62.3	80.9							

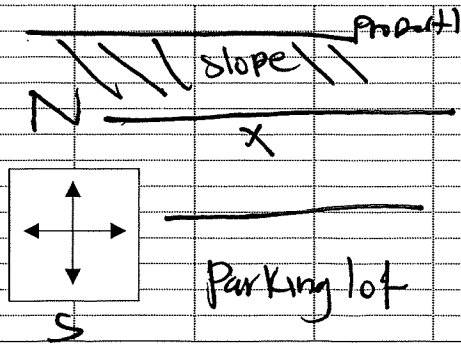
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☐ AMBIENT ☐ OTHER: ____
ROADWAY TYPE: Paved road
TRAFFIC COUNT DURATION: 116 -MIN 35 SPEED #2 COUNT ____ SPEED

	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS	113							
MED. TRUCKS:	11							
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:	1							

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☐ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☐ BIRDS ☐ DIST. INDUSTRIAL ☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: pedestrians in parking lot & music from cars.

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☐ FLAT ☐ OTHER: paved road
PHOTOS:
OTHER COMMENTS/SKETCH:



Photos
1 West
2 East
3 East
4 East
5 South
6 North

FIELD NOISE MEASUREMENT DATA

PROJECT: Mt SAC PROJ. #

SITE IDENTIFICATION: South Grand OBSERVER(S): Kassie Sugimoto
START DATE/TIME: 10:45 9/27 END DATE/TIME: 9/27 11:06
ADDRESS:

METEOROLOGICAL CONDITIONS:
TEMP: 84.8 °F HUMIDITY: 48.1 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 1.2 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☐ S ☒ W ☒ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis 831 TYPE: ☐ 1 ☐ 2 SERIAL #: 1742
CALIBRATOR: Larson Davis Cal 200 SERIAL #: 6674
CALIBRATION CHECK: PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCREEN
SETTINGS: ☐ A-WEIGHTED ☐ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER:

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
146	10:45	11:06	71.4	92.3							

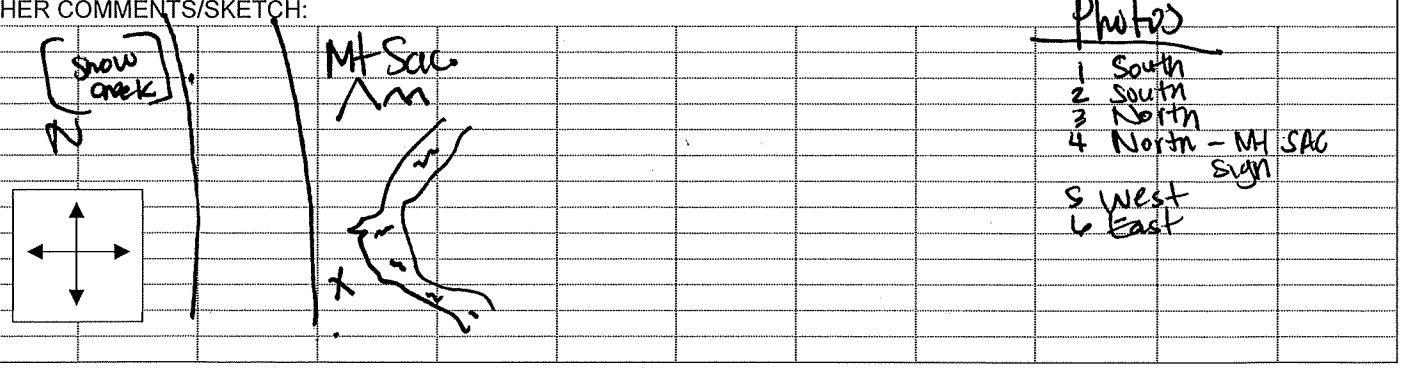
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☐ AMBIENT ☐ OTHER:
ROADWAY TYPE: paved road ~ 5mph
TRAFFIC COUNT DURATION: 411 -MIN 50 SPEED #2 COUNT SPEED

	☒NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB
AUTOS	399					
MED. TRUCKS:	𝍸 1					
HVY TRUCKS:	𝍸					
BUSES:	11					
MOTORCYCLES:						

bike 1 SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☐ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER:

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☐ FLAT ☐ OTHER:
PHOTOS:
OTHER COMMENTS/SKETCH:



Wind light

FIELD NOISE MEASUREMENT DATA

PROJECT: Mt SAC PROJ. #

SITE IDENTIFICATION: Temple NM OBSERVER(S): Kassie Sugimoto
START DATE/TIME: 11:34 9/27 END DATE/TIME: 11:55 9/27
ADDRESS:

METEOROLOGICAL CONDITIONS:
TEMP: 88.6 °F HUMIDITY: 44.1 %R.H. WIND: ☒ CALM ☐ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 2.5 MPH DIR: ☐ N ☒ NE ☐ E ☐ SE ☐ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis 831 TYPE: ☐ 1 ☐ 2 SERIAL #: 1742
CALIBRATOR: Larson Davis Cal200 SERIAL #: 6674
CALIBRATION CHECK: PRE-TEST ____ dBA SPL POST-TEST ____ dBA SPL WINDSCREEN Yes
SETTINGS: ☐ A-WEIGHTED ☐ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
147	11:34	11:55	67.3	83.5							

COMMENTS:

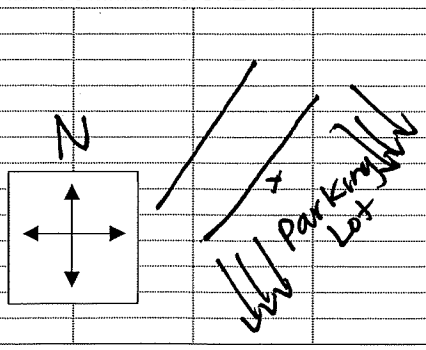
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☐ AMBIENT ☐ OTHER: ____
ROADWAY TYPE: Paved road near Parking lot
TRAFFIC COUNT DURATION: 280 -MIN 45 SPEED #2 COUNT ____ SPEED

	☒NB/☒EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB
AUTOS	272				
MED. TRUCKS:	11				
HVY TRUCKS:	1				
BUSES:	111				
MOTORCYCLES:	1				

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☐ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☐ BIRDS ☒ DIST. INDUSTRIAL ☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER: Welding? Sounds like metal banging. Construction near by also

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☐ FLAT ☐ OTHER: Paved
PHOTOS:
OTHER COMMENTS/SKETCH:



* traffic backup on both sides.

11:53 - pedestrian walked by mic

Photos
1 South
2 North
3 West
4 East