

# Appendix E

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Noise Modeling



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	Usage
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Factor <sup>1</sup>
Threshold 0-3 days	321	75.0	Paver	85	1
Threshold 4-7 days	1,014	65.0	Roller	85	1
Threshold 1-2 weeks	3,206	55.0	Concrete Mixer Truck	85	1
Threshold 2-8 weeks	5,701	50.0	Front End Loader	80	1
Threshold over 8 weeks	10,137	45.0	Flat Bed Truck	84	1
Center	50	91.1			
Staging Area	100	85.1			

**Ground Type** hard  
**Source Height** 8  
**Receiver Height** 5  
**Ground Factor<sup>2</sup>** 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Paver	85.0
Roller	85.0
Concrete Mixer Truck	85.0
Front End Loader	80.0
Flat Bed Truck	84.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

91.1

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	Usage
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Factor <sup>1</sup>
Threshold 0-3 days	203	75.0	Paver	85	0.4
Threshold 4-7 days	641	65.0	Roller	85	0.4
Threshold 1-2 weeks	2,027	55.0	Concrete Mixer Truck	85	0.4
Threshold 2-8 weeks	3,605	50.0	Front End Loader	80	0.4
Threshold over 8 weeks	6,411	45.0	Flat Bed Truck	84	0.4
Center	50	87.2			
Staging Area	100	81.1			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Paver	81.0
Roller	81.0
Concrete Mixer Truck	81.0
Front End Loader	76.0
Flat Bed Truck	80.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

87.2

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
Threshold 0-3 days	357	75.0	Man Lift	85	1
Threshold 4-7 days	1,130	65.0	Crane	85	1
Threshold 1-2 weeks	3,574	55.0	Flat Bed Truck	84	1
Threshold 2-8 weeks	6,356	50.0	Front End Loader	80	1
Threshold over 8 weeks	11,303	45.0	Auger Drill Rig	85	1
Center	50	92.1	Excavator	85	1
Staging Area	100	86.1			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Man Lift	85.0
Crane	85.0
Flat Bed Truck	84.0
Front End Loader	80.0
Auger Drill Rig	85.0
Excavator	85.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

92.1

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	Usage
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Factor <sup>1</sup>
Threshold 0-3 days	226	75.0	Man Lift	85	0.4
Threshold 4-7 days	715	65.0	Crane	85	0.4
Threshold 1-2 weeks	2,261	55.0	Flat Bed Truck	84	0.4
Threshold 2-8 weeks	4,020	50.0	Front End Loader	80	0.4
Threshold over 8 weeks	7,149	45.0	Auger Drill Rig	85	0.4
Center	50	88.1	Excavator	85	0.4
Staging Area	100	82.1			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Man Lift	81.0
Crane	81.0
Flat Bed Truck	80.0
Front End Loader	76.0
Auger Drill Rig	81.0
Excavator	81.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

88.1

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
Threshold 0-3 days	333	75.0	Dozer	85	1
Threshold 4-7 days	592	70.0	Grader	85	1
Threshold 1-2 weeks	1,052	65.0	Dump Truck	84	1
Threshold 2-8 weeks	1,871	60.0	Excavator	85	1
Threshold over 8 weeks	3,327	55.0	Backhoe	80	1
Center	50	91.5	Front End Loader	80	1
Staging Area	100	85.4			

**Ground Type** hard  
**Source Height** 8  
**Receiver Height** 5  
**Ground Factor<sup>2</sup>** 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Dozer	85.0
Grader	85.0
Dump Truck	84.0
Excavator	85.0
Backhoe	80.0
Front End Loader	80.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

91.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level ( $L_{eq}$ dBA)	Equipment	Reference Emission	Usage Factor <sup>1</sup>
				Noise Levels ( $L_{max}$ ) at 50 feet <sup>1</sup>	
Threshold 0-3 days	210	75.0	Dozer	85	0.4
Threshold 4-7 days	374	70.0	Grader	85	0.4
Threshold 1-2 weeks	665	65.0	Dump Truck	84	0.4
Threshold 2-8 weeks	1,183	60.0	Excavator	85	0.4
Threshold over 8 weeks	2,104	55.0	Backhoe	80	0.4
Center	50	87.5	Front End Loader	80	0.4
Staging Area	100	81.5			

**Ground Type** hard  
**Source Height** 8  
**Receiver Height** 5  
**Ground Factor<sup>2</sup>** 0.00

Predicted Noise Level <sup>3</sup>	$L_{eq}$ dBA at 50 feet <sup>3</sup>
Dozer	81.0
Grader	81.0
Dump Truck	80.0
Excavator	81.0
Backhoe	76.0
Front End Loader	76.0

**Combined Predicted Noise Level ( $L_{eq}$  dBA at 50 feet)**

87.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission Noise Levels (L <sub>max</sub> ) at 50	
				feet <sup>1</sup>	Usage Factor <sup>1</sup>
Threshold 0-3 days	313	75.0	Compactor (ground)	80	1
Threshold 4-7 days	557	70.0	Generator	82	1
Threshold 1-2 weeks	991	65.0	Crane	85	1
Threshold 2-8 weeks	1,762	60.0	Dump Truck	84	1
Threshold over 8 weeks	3,134	55.0	Front End Loader	80	1
Center	50	90.9	Man Lift	85	1
Staging Area	100	84.9			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Compactor (ground)	80.0
Generator	82.0
Crane	85.0
Dump Truck	84.0
Front End Loader	80.0
Man Lift	85.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

90.9

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission Noise Levels (L <sub>max</sub> ) at 50	
				feet <sup>1</sup>	Usage Factor <sup>1</sup>
Threshold 0-3 days	182	75.0	Compactor (ground)	80	0.4
Threshold 4-7 days	324	70.0	Generator	82	0.4
Threshold 1-2 weeks	577	65.0	Crane	85	0.16
Threshold 2-8 weeks	1,026	60.0	Dump Truck	84	0.4
Threshold over 8 weeks	1,824	55.0	Front End Loader	80	0.4
Center	50	86.2	Man Lift	85	0.4
Staging Area	100	80.2			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Compactor (ground)	76.0
Generator	78.0
Crane	77.0
Dump Truck	80.0
Front End Loader	76.0
Man Lift	81.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

86.2

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;



## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission Noise Levels (L <sub>max</sub> ) at 50	
				feet <sup>1</sup>	Usage Factor <sup>1</sup>
Threshold 0-3 days	299	75.0	Compactor (ground)	80	0.4
Threshold 4-7 days	532	70.0	Generator	82	0.4
Threshold 1-2 weeks	947	65.0	Crane	85	0.16
Threshold 2-8 weeks	1,683	60.0	Dump Truck	84	0.4
Threshold over 8 weeks	2,993	55.0	Compressor (air)	80	0.4
Center	50	90.5	Front End Loader	80	0.4
Staging Area	100	84.5	Backhoe	80	0.4
			Man Lift	85	0.4
			Impact Pile Driver	95	0.2

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Compactor (ground)	76.0
Generator	78.0
Crane	77.0
Dump Truck	80.0
Compressor (air)	76.0
Front End Loader	76.0
Backhoe	76.0
Man Lift	81.0
Impact Pile Driver	88.0

### Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)

90.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

## Representative Construction Equipment and Levels (LEQ)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	Usage Factor <sup>1</sup>
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	
Threshold 0-3 days	603	75.0	Compactor (ground)	80	1
Threshold 4-7 days	1,073	70.0	Generator	82	1
Threshold 1-2 weeks	1,908	65.0	Crane	85	1
Threshold 2-8 weeks	3,393	60.0	Dump Truck	84	1
Threshold over 8 weeks	6,033	55.0	Compressor (air)	80	1
Center	50	96.6	Front End Loader	80	1
Staging Area	100	90.6	Backhoe	80	1
			Man Lift	85	1
			Impact Pile Driver	95	1

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Compactor (ground)	80.0
Generator	82.0
Crane	85.0
Dump Truck	84.0
Compressor (air)	80.0
Front End Loader	80.0
Man Lift	85.0
Impact Pile Driver	95.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

96.6

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006, Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

Equipment Description	Acoustical Usage Factor (%)	Spec 721.560 Lmax @ 50ft (dBA slow)	Actual Measured Lmax @ 50ft (dBA slow)	No. of Actual Data Samples (count)	Spec 721.560 LmaxCalc	Spec 721.560 Leq	Distance	Actual Measured LmaxCalc	Actual Measured Leq
Auger Drill Rig	20	85	84	36	79.0	72.0	100	78.0	71.0
Backhoe	40	80	78	372	74.0	70.0	100	72.0	68.0
Bar Bender	20	80	na	0	74.0	67.0	100		
Blasting	na	94	na	0	88.0		100		
Boring Jack Power Unit	50	80	83	1	74.0	71.0	100	77.0	74.0
Chain Saw	20	85	84	46	79.0	72.0	100	78.0	71.0
Clam Shovel (dropping)	20	93	87	4	87.0	80.0	100	81.0	74.0
Compactor (ground)	20	80	83	57	74.0	67.0	100	77.0	70.0
Compressor (air)	40	80	78	18	74.0	70.0	100	72.0	68.0
Concrete Batch Plant	15	83	na	0	77.0	68.7	100		
Concrete Mixer Truck	40	85	79	40	79.0	75.0	100	73.0	69.0
Concrete Pump Truck	20	82	81	30	76.0	69.0	100	75.0	68.0
Concrete Saw	20	90	90	55	84.0	77.0	100	84.0	77.0
Crane	16	85	81	405	79.0	71.0	100	75.0	67.0
Dozer	40	85	82	55	79.0	75.0	100	76.0	72.0
Drill Rig Truck	20	84	79	22	78.0	71.0	100	73.0	66.0
Drum Mixer	50	80	80	1	74.0	71.0	100	74.0	71.0
Dump Truck	40	84	76	31	78.0	74.0	100	70.0	66.0
Excavator	40	85	81	170	79.0	75.0	100	75.0	71.0
Flat Bed Truck	40	84	74	4	78.0	74.0	100	68.0	64.0
Front End Loader	40	80	79	96	74.0	70.0	100	73.0	69.0
Generator	50	82	81	19	76.0	73.0	100	75.0	72.0
Generator (<25KVA, VMS s	50	70	73	74	64.0	61.0	100	67.0	64.0
Gradall	40	85	83	70	79.0	75.0	100	77.0	73.0
Grader	40	85	na	0	79.0	75.0	100		
Grapple (on Backhoe)	40	85	87	1	79.0	75.0	100	81.0	77.0
Horizontal Boring Hydr. Jac	25	80	82	6	74.0	68.0	100	76.0	70.0
Hydra Break Ram	10	90	na	0	84.0	74.0	100		
Impact Pile Driver	20	95	101	11	89.0	82.0	100	95.0	88.0
Jackhammer	20	85	89	133	79.0	72.0	100	83.0	76.0
Man Lift	20	85	75	23	79.0	72.0	100	69.0	62.0
Mounted Impact Hammer (	20	90	90	212	84.0	77.0	100	84.0	77.0
Pavement Scarafier	20	85	90	2	79.0	72.0	100	84.0	77.0
Paver	50	85	77	9	79.0	76.0	100	71.0	68.0
Pickup Truck	40	55	75	1	49.0	45.0	100	69.0	65.0
Pneumatic Tools	50	85	85	90	79.0	76.0	100	79.0	76.0
Pumps	50	77	81	17	71.0	68.0	100	75.0	72.0
Refrigerator Unit	100	82	73	3	76.0	76.0	100	67.0	67.0
Rivit Buster/chipping gun	20	85	79	19	79.0	72.0	100	73.0	66.0
Rock Drill	20	85	81	3	79.0	72.0	100	75.0	68.0
Roller	20	85	80	16	79.0	72.0	100	74.0	67.0
Sand Blasting (Single Nozzl	20	85	96	9	79.0	72.0	100	90.0	83.0
Scraper	40	85	84	12	79.0	75.0	100	78.0	74.0
Shears (on backhoe)	40	85	96	5	79.0	75.0	100	90.0	86.0
Slurry Plant	100	78	78	1	72.0	72.0	100	72.0	72.0
Slurry Trenching Machine	50	82	80	75	76.0	73.0	100	74.0	71.0
Soil Mix Drill Rig	50	80	na	0	74.0	71.0	100		
Tractor	40	84	na	0	78.0	74.0	100		
Vacuum Excavator (Vac-tru	40	85	85	149	79.0	75.0	100	79.0	75.0
Vacuum Street Sweeper	10	80	82	19	74.0	64.0	100	76.0	66.0
Ventilation Fan	100	85	79	13	79.0	79.0	100	73.0	73.0
Vibrating Hopper	50	85	87	1	79.0	76.0	100	81.0	78.0
Vibratory Concrete Mixer	20	80	80	1	74.0	67.0	100	74.0	67.0
Vibratory Pile Driver	20	95	101	44	89.0	82.0	100	95.0	88.0
Warning Horn	5	85	83	12	79.0	66.0	100	77.0	64.0
Welder / Torch	40	73	74	5	67.0	63.0	100	68.0	64.0

Source:

FHWA Roadway Construction Noise Model, January 2006. Table 9.1

U.S. Department of Transportation

CA/T Construction Spec. 721.560

Traffic Noise Spreadsheet Calculator



Project: Ventura General Plan Update

Number	Name	Segment Description and Location			Existing Conditions	Existing + Project Conditions	Δ Existing – Existing + Project	Cumulative Conditions	Cumulative +Project Conditions	Δ Cumulative – Cumulative + Project
		From	To							
Summary of Net Changes										
1	AGGEN RD	n/o L.A. Ave (SR118)	x		54.7	55.0	0.4			
2	BALCOM CANYON RD	s/o South Mountain Rd	x		56.4	58.2	1.7	#N/A	#N/A	#N/A
3	BALCOM CANYON RD	n/o L.A. Ave (SR118)	x		56.4	57.1	0.7	#N/A	#N/A	#N/A
4	BARSDALE AVE	e/o Sespe St	x		56.7	56.7	0.0	#N/A	#N/A	#N/A
5	BEARDSLEY RD	n/o Central Ave		unposted undivided highway	61.2	62.8	1.6	#N/A	#N/A	#N/A
6	BOX CANYON RD	s/o Santa Susana Pass Rd	x		58.4	59.3	1.0	#N/A	#N/A	#N/A
7	BRADLEY RD	n/o L.A. Ave (SR118)		unposted undivided highway	62.2	62.2	0.0	#N/A	#N/A	#N/A
8	BRIGGS RD	s/o Telegraph Rd		unposted undivided highway	62.9	62.9	0.0	#N/A	#N/A	#N/A
9	BRIGGS RD	n/o Telegraph Rd		unposted undivided highway	58.7	58.8	0.0	#N/A	#N/A	#N/A
10	BRISTOL RD	w/o Montgomery Ave	x		65.0	65.9	0.9	#N/A	#N/A	#N/A
11	BROADWAY RD	w/o Grimes Cyn Rd (SR23)		res/rural road	58.3	61.0	2.7	#N/A	#N/A	#N/A
12	BURNHAM RD	s/o Baldwin Rd (SR150)	x		55.8	57.7	2.0	#N/A	#N/A	#N/A
13	BURNHAM RD	e/o Santa Ana Rd	x		54.9	57.3	2.5	#N/A	#N/A	#N/A
14	CALLE YUCCA	n/o Camino Manzanas	x		54.2	54.2	0.0	#N/A	#N/A	#N/A
15	CAMINO DOS RIOS	w/o Lynn Rd	x		56.8	57.2	0.4	#N/A	#N/A	#N/A
16	CANADA LARGA RD	e/o Ventura Ave	x		53.0	54.4	1.4	#N/A	#N/A	#N/A
17	CASITAS VISTA RD	w/o Ojai Fwy (SR33)	x		55.8	58.6	2.8	#N/A	#N/A	#N/A
18	CENTER SCHOOL RD	s/o L.A. Ave (SR118)	x		56.0	56.2	0.2	#N/A	#N/A	#N/A
19	CENTER ST (Piru)	w/o Telegraph Rd (SR126)	x		54.2	54.7	0.5	#N/A	#N/A	#N/A
20	CENTRAL AVE	w/o Ventura Fwy (US101)	x		67.0	67.9	0.9	#N/A	#N/A	#N/A
21	CENTRAL AVE	w/o Santa Clara Ave		unposted undivided highway	66.7	67.9	1.2	#N/A	#N/A	#N/A
22	CENTRAL AVE	e/o Vineyard Ave (SR232)	x		63.5	64.5	1.0	#N/A	#N/A	#N/A
23	CHANNEL ISLANDS BLVD	w/o Rice Ave		unposted undivided highway	67.6	68.4	0.8	#N/A	#N/A	#N/A
24	CREEK RD	e/o Country Club Dr	x		53.1	55.8	2.7	#N/A	#N/A	#N/A
25	CREEK RD	e/o Ventura Ave (SR33)	x		59.9	62.6	2.7	#N/A	#N/A	#N/A
26	DONLON RD	n/o La Cumbre Rd	x		51.1	52.0	0.9	#N/A	#N/A	#N/A
27	DORIS AVE	e/o Victoria Ave		unposted undivided highway	63.7	64.9	1.2	#N/A	#N/A	#N/A

Traffic Noise Spreadsheet Calculator



Project: Ventura County General Plan Update (Existing Conditions)

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

				Input								Output						
Number	Name	Segment Description and Location Segment	Speed Limit Checked?*	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>						
				ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy		% Day	% Eve	% Night	70 dBA	65 dBA	60 dBA	55 dBA
<b>County Operated Roadways</b>																		
1	AGGEN RD	n/o L.A. Ave (SR118)	x	550	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.7	3	9	29	92
2	BALCOM CANYON RD	s/o South Mountain Rd	x	3000	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	44	138
3	BALCOM CANYON RD	n/o L.A. Ave (SR118)	x	3000	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	44	138
4	BARSDALE AVE	e/o Sespe St	x	1600	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.7	5	15	47	149
5	BEARDSLEY RD	n/o Central Ave	unposted undivided highway	2500	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.2	13	42	133	420
6	BOX CANYON RD	s/o Santa Susana Pass Rd	x	4700	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.4	7	22	69	217
7	BRADLEY RD	n/o L.A. Ave (SR118)	unposted undivided highway	3100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.2	16	52	165	521
8	BRIGGS RD	s/o Telegraph Rd	unposted undivided highway	3700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.9	20	62	197	622
9	BRIGGS RD	n/o Telegraph Rd	unposted undivided highway	1400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.7	7	24	74	235
10	BRISTOL RD	w/o Montgomery Ave	x	10800	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.0	32	100	317	1003
11	BROADWAY RD	w/o Grimes Cyn Rd (SR23)	res/rural road	2300	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.3	7	21	68	214
12	BURNHAM RD	s/o Baldwin Rd (SR150)	x	2600	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.8	4	12	38	120
13	BURNHAM RD	e/o Santa Ana Rd	x	2100	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.9	3	10	31	97
14	CALLE YUCCA	n/o Camino Manzanas	x	1800	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.2	3	8	26	83
15	CAMINO DOS RIOS	w/o Lynn Rd	x	3300	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.8	5	15	48	152
16	CANADA LARGA RD	e/o Ventura Ave	x	2000	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	53.0	2	6	20	63
17	CASITAS VISTA RD	w/o Ojai Fwy (SR33)	x	2600	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.8	4	12	38	120
18	CENTER SCHOOL RD	s/o Santa Clara Ave	x	1900	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.0	4	13	40	126
19	CENTER ST (Piru)	w/o Telegraph Rd (SR126)	x	900	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.2	3	8	26	84
20	CENTRAL AVE	w/o Ventura Fwy (US101)	x	17200	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.0	51	160	505	1597
21	CENTRAL AVE	w/o Santa Clara Ave	unposted undivided highway	8800	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.7	47	148	468	1479
22	CENTRAL AVE	e/o Vineyard Ave (SR232)	x	10700	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.5	22	71	224	710
23	CHANNEL ISLANDS BLVD	w/o Rice Ave	unposted undivided highway	10900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.6	58	183	579	1832
24	CREEK RD	e/o Country Club Dr	x	3000	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	53.1	2	6	20	65
25	CREEK RD	e/o Ventura Ave (SR33)	x	3300	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.9	10	31	97	306
26	DONLON RD	n/o La Cumbre Rd	x	1900	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.1	1	4	13	41
27	DORIS AVE	e/o Victoria Ave	unposted undivided highway	4400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.7	23	74	234	740
28	EL ROBLAR DR	w/o Maricopa Hwy (SR33)	x	7800	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.3	5	17	53	168
29	ETTING RD	e/o Dodge Rd	unposted undivided highway	2100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.5	11	35	112	353
30	FAIRVIEW RD	e/o Maricopa Hwy (SR33)	x	900	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.2	1	4	13	42
31	FAIRWAY DR	n/o Valley Vista Dr	x	3100	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.6	5	14	45	143
32	W FIFTH ST	e/o N Harbor Blvd	x	5400	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.0	8	25	79	249
33	FOOTHILL RD	w/o Peck Rd	x	2400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.1	13	40	128	403
34	FOOTHILL RD	w/o Briggs Rd	x	2000	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.2	4	13	42	133
35	FOOTHILL RD	e/o N Wells Rd	unposted undivided highway	2800	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.7	15	47	149	471
36	FOOTHILL RD	e/o Saticoy Ave	x	3900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.2	21	66	207	655
37	GONZALES RD	e/o N Harbor Blvd	x	4000	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.3	21	67	213	672
38	GRIMES CANYON RD	n/o L.A. Ave (SR118)	x	3500	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.5	14	44	140	443
39	GUIBERSON RD	e/o Chambersburg Rd (SR23)	unposted undivided highway	1000	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.3	5	17	53	168
40	HARBOR BLVD	n/o Gonzales Rd	unposted undivided highway	21700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.6	115	365	1153	3647
41	HARBOR BLVD	s/o Gonzales Rd	unposted undivided highway	20200	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.3	107	340	1074	3395
42	HOWE RD	e/o Torrey Rd	unposted rural residential	800	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	50.7	1	4	12	37
43	HUENEME RD	e/o Las Posas Rd	x	12800	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.1	51	162	512	1619
44	HUENEME RD	e/o Nauman Rd	x	11300	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.6	45	143	452	1429
45	HUENEME RD	e/o Wood Rd	x	10300	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.1	41	130	412	1303
46	HUENEME RD	w/o Olds Rd	x	15500	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.9	62	196	620	1961
47	KANAN RD	e/o Lindero Canyon Rd	x	13600	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.0	40	126	399	1263
48	KANAN RD	e/o Hollytree Dr / Oak Hills Dr	x	13600	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.0	40	126	399	1263

49	KANAN RD	s/o Tamarind St	x	20100	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.7	59	187	590	1866
50	LA LUNA AVE	s/o Lomita Ave	x	4400	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	44	138
51	LAGUNA RD	e/o Pleasant Valley Rd	unposted undivided highway	1900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.0	10	32	101	319
52	LAS POSAS RD	n/o E Fifth St (SR34)	unposted undivided highway	9600	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.1	51	161	510	1614
53	LAS POSAS RD	s/o E Fifth St (SR34)	unposted undivided highway	10100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.3	54	170	537	1698
54	LAS POSAS RD	s/o Hueneme Rd	unposted undivided highway	6800	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.6	36	114	361	1143
55	LEWIS RD	s/o Pleasant Valley Rd	x	19700	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	79	249	788	2492
56	LEWIS RD	n/o Potrero Rd	unposted undivided highway	11600	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.9	62	195	617	1950
57	LOCKWOOD VALLEY RD	w/o Kern County Line	unposted undivided highway	900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.8	5	15	48	151
58	LOCKWOOD VALLEY RD	e/o Maricopa Hwy (SR33)	unposted undivided highway	100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	47.3	1	2	5	17
59	LOMITA AVE	e/o Tico Rd	x	4300	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.0	6	20	63	198
60	MAIN ST (Piru)	n/o Telegraph Rd (SR126)	x	3800	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.8	4	12	38	119
61	MOORPARK RD	n/o Santa Rosa Rd	unposted undivided highway	20700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.4	110	348	1100	3479
62	OLD TELEGRAPH RD	w/o Grand Ave	x	4100	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.8	6	19	60	189
63	OLDS RD	n/o Hueneme Rd	unposted undivided highway	1900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.0	10	32	101	319
64	OLIVAS PARK DR	w/o Victoria Ave	unposted undivided highway	12400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.2	66	208	659	2084
65	PASADENA AVE	e/o Sespe St	x	400	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	50.7	1	4	12	37
66	PATTERSON RD	s/o Doris Ave	rural on unmarked road	1050	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.9	2	5	15	48
67	PLEASANT VALLEY RD	s/o E Fifth St (SR34)	x	16200	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.4	86	272	861	2723
68	PLEASANT VALLEY RD	w/o Las Posas Rd	x	1500	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.8	6	19	60	190
69	POTRERO RD	e/o Lake Sherwood Dr (E)	x	8600	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.6	18	57	180	571
70	POTRERO RD	w/o Stafford Rd	x	3500	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.7	7	23	73	232
71	POTRERO RD	w/o Hidden Valley Rd	x	2300	20	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	50.6	1	4	12	37
72	POTRERO RD	Milepost 2.75	unknown	3800	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.4	6	18	55	175
73	POTRERO RD	e/o Lewis Rd	x	4700	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.7	19	59	188	594
74	RICE AVE	s/o E Fifth St (SR34)	x	36700	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.7	147	464	1468	4642
75	RICE AVE	n/o Channel Islands Blvd	x	30000	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.8	120	379	1200	3795
76	RICE AVE	n/o Hueneme Rd	x	2400	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.8	10	30	96	304
77	RICE RD (Meiners Oaks)	s/o Lomita Ave	x	2000	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.0	8	25	80	253
78	ROSE AVE	s/o L.A. Ave (SR118)	x	9100	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.8	19	60	191	604
79	ROSE AVE	s/o Central Ave	x	11100	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.7	23	74	233	736
80	ROSE AVE	n/o Collins St	x	18500	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.9	39	123	388	1227
81	SANTA ANA BLVD	e/o Ventura River	x	2400	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.5	7	22	70	223
82	SANTA ANA RD	s/o Baldwin Rd (SR150)	x	700	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	53.1	2	6	21	65
83	SANTA ANA RD	s/o Santa Ana Blvd	x	2100	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.9	6	19	62	195
84	SANTA CLARA AVE	n/o Friedrich Rd	unposted undivided highway	15100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	80	254	803	2538
85	SANTA CLARA AVE	s/o L.A. Ave (SR118)	unposted undivided highway	18500	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.9	98	311	983	3109
86	SANTA ROSA RD	w/o Moorpark Rd	unposted undivided highway	22100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.7	117	371	1175	3714
87	SANTA ROSA RD	w/o E Las Posas Rd	same as above	14800	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	79	249	787	2488
88	SANTA SUSANA PASS RD	e/o Katherine Rd	curvy road	4500	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.2	7	21	66	208
89	SESPÉ ST	n/o South Mountain Rd	unposted undivided highway	2700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.6	14	45	144	454
90	SESPÉ ST	s/o Pasadena Ave	unposted undivided highway	700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.7	4	12	37	118
91	SOUTH MOUNTAIN RD	e/o Balcom Canyon Rd	curvy road	2100	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.9	3	10	31	97
92	SOUTH MOUNTAIN RD	s/o Santa Clara River	curvy road	2800	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.1	4	13	41	129
93	STOCKTON RD	e/o Balcom Canyon Rd	curvy road	1000	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.6	1	5	15	46
94	STURGIS RD	w/o Pleasant Valley Rd	unposted undivided highway	4500	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.8	24	76	239	756
95	TAPO CANYON RD	s/o Bennett Rd	curvy road	1300	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	52.8	2	6	19	60
96	TELEGRAPH RD	w/o Briggs Rd	x	7600	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.8	30	96	304	961
97	TELEGRAPH RD	w/o Olive Rd	unposted undivided highway	7300	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.7	29	92	292	923
98	TICO RD	n/o Ventura Ave (SR150)	x	3000	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	44	138
99	TIERRA REJADA RD	e/o Moorpark Fwy (SR23)	x	24900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.2	132	419	1323	4185
100	TORREY RD	s/o Telegraph Rd (SR126)	unposted undivided highway	750	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.0	4	13	40	126
101	VALLEY VISTA DR	s/o Calle Aurora	x	5500	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.0	8	25	80	254
102	VENTURA AVE	n/o Canada Larga Rd	unposted undivided highway	900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.8	5	15	48	151
103	VENTURA AVE	n/o Shell Rd	x	5500	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.0	8	25	80	254
104	VICTORIA AVE	s/o Olivas Park Dr	x	44900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	73.8	239	755	2386	7547
105	WALNUT AVE	n/o L.A. Ave (SR118)	unposted undivided highway	400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	53.3	2	7	21	67
106	WENDY DR	n/o Gerald Dr	x	14200	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.2	21	65	207	655
107	WOOD RD	s/o Hueneme Rd	unposted undivided highway	1400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.7	7	24	74	235
108	WOOD RD	s/o E Fifth St (SR34)	unposted undivided highway	10100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.3	54	170	537	1698
109	WOOLEY RD	w/o Rice Ave	unposted undivided highway	10300	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.4	55	173	547	1731
110	YERBA BUENA RD	n/o Pacific Coast Hwy (SR1)	curvy road	600	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	49.4	1	3	9	28
				State Highways within Ventura County														
111	Route 1	CALLEGUAS CREEK	x	9900	70	100	100	93.5%	5.4%	1.1%	80.0%	15.0%	5.0%	70.7	118	373	1179	3727
112	Route 1	SEACLIFF COLONY, JCT. RTE. 101	x	4400	65	100	100	90.7%	5.9%	3.4%	80.0%	15.0%	5.0%	66.9	49	154	488	1542
113	Route 1	LAS CRUCES, JCT. RTE. 101; MOBIL OIL PIER	x	610	65	100	100	85.9%	8.2%	5.9%	80.0%	15.0%	5.0%	59.0	8	25	80	252

114	Route 23	GRIMES CANYON RD	x	6300	55	100	100	80.0%	5.9%	14.1%	80.0%	15.0%	5.0%	68.6	73	229	726	2295
115	Route 23	FILLMORE, JCT. RTE. 126, VENTURA RD	x	9100	45	100	100	86.3%	4.4%	9.3%	80.0%	15.0%	5.0%	67.1	51	161	508	1607
116	Route 33	WEST JCT. RTE. 150, BALDWIN RD	x	21500	40	100	100	96.1%	2.9%	1.0%	80.0%	15.0%	5.0%	66.7	47	147	465	1471
117	Route 33	LOS PADRES NATIONAL FOREST BOUNDARY	x	1350	40	100	100	95.5%	2.3%	2.3%	80.0%	15.0%	5.0%	55.1	3	10	33	103
118	Route 33	SESPE GORGE MAINT. STATION	x	390	35	100	100	91.5%	2.2%	6.3%	80.0%	15.0%	5.0%	50.0	1	3	10	31
119	Route 33	VENTURA/SANTA BARBARA COUNTY LINE	x	330	50	100	100	83.2%	12.4%	4.4%	80.0%	15.0%	5.0%	53.3	2	7	21	67
120	Route 34	SOMIS, JCT. RTE. 118, LOS ANGELES AVE	x	14500	40	100	100	85.8%	6.5%	7.7%	80.0%	15.0%	5.0%	67.7	59	187	590	1867
121	Route 101	VENTURA, VICTORIA AVE	x	132000	65	100	100	96.4%	1.8%	1.8%	80.0%	15.0%	5.0%	80.9	1221	3860	12207	38601
122	Route 101	VENTURA/SANTA BARBARA COUNTY LINE	x	73000	65	100	100	93.0%	3.4%	3.6%	80.0%	15.0%	5.0%	78.9	780	2466	7798	24659
123	Route 118	JCT. RTE. 232, VINEYARD AVE (West)	x	35500	55	100	100	88.2%	5.4%	6.4%	80.0%	15.0%	5.0%	74.6	288	912	2882	9115
124	Route 118	JCT. RTE. 34, SOMIS RD (West)	x	12200	55	100	100	74.3%	10.8%	14.9%	80.0%	15.0%	5.0%	71.8	153	484	1530	4837
125	Route 118	GRIMES CANYON RD	x	19500	55	100	100	88.6%	3.9%	7.5%	80.0%	15.0%	5.0%	72.1	163	516	1632	5161
126	Route 118	MOORPARK, WEST JCT. RTE. 23, MOORPARK AVE	x	29000	45	100	100	86.9%	6.0%	7.0%	80.0%	15.0%	5.0%	71.7	147	466	1475	4663
127	Route 150	SANTA BARBARA/VENTURA COUNTY LINE	x	0	40	100	100	98.0%	1.6%	0.4%	80.0%	15.0%	5.0%					
128	Route 150	JCT. RTE. 33 SOUTH, VENTURA AVE (South)	x	10300	40	100	100	98.1%	1.5%	0.4%	80.0%	15.0%	5.0%	63.0	20	62	197	625
129	Route 150	SANTA PAULA, NORTH CITY LIMIT	x	3650	35	100	100	96.2%	2.2%	1.6%	80.0%	15.0%	5.0%	57.7	6	18	58	185
130	Route 232	JCT. RTE. 118, LOS ANGELES AVE	x	15600	30	100	100	89.1%	5.7%	5.2%	80.0%	15.0%	5.0%	64.8	30	96	303	957

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

\*\* Speed limits from: <http://product.itoworld.com/map/124> and google maps street view



Traffic Noise Spreadsheet Calculator



Project: Ventura County General Plan Update (Existing Conditions)

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

				Input								Output						
Number	Name	Segment Description and Location	Speed Limit Checked?*	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>						
				ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy		% Day	% Eve	% Night	70 dBA	65 dBA	60 dBA	55 dBA
<b>County Operated Roadways</b>																		
1	AGGEN RD	n/o L.A. Ave (SR118)	x	597	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.0	3	10	32	100
2	BALCOM CANYON RD	s/o South Mountain Rd	x	4482	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.2	7	21	65	207
3	BALCOM CANYON RD	n/o L.A. Ave (SR118)	x	3507	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.1	5	16	51	162
4	BARSDDALE AVE	e/o Sespe St	x	1600	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.7	5	15	47	149
5	BEARDSLEY RD	n/o Central Ave	unposted undivided highway	3578	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.8	19	60	190	601
6	BOX CANYON RD	s/o Santa Susana Pass Rd	x	5872	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.3	9	27	86	271
7	BRADLEY RD	n/o L.A. Ave (SR118)	unposted undivided highway	3121	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.2	17	52	166	525
8	BRIGGS RD	s/o Telegraph Rd	unposted undivided highway	3700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.9	20	62	197	622
9	BRIGGS RD	n/o Telegraph Rd	unposted undivided highway	1413	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.8	8	24	75	237
10	BRISTOL RD	w/o Montgomery Ave	x	13195	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.9	39	123	387	1225
11	BROADWAY RD	w/o Grimes Cyn Rd (SR23)	res/rural road	4273	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.0	13	40	125	397
12	BURNHAM RD	s/o Baldwin Rd (SR150)	x	4074	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.7	6	19	59	188
13	BURNHAM RD	e/o Santa Ana Rd	x	3716	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.3	5	17	54	171
14	CALLE YUCCA	n/o Camino Manzanas	x	1805	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.2	3	8	26	83
15	CAMINO DOS RIOS	w/o Lynn Rd	x	3594	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.2	5	17	52	166
16	CANADA LARGA RD	e/o Ventura Ave	x	2772	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.4	3	9	28	87
17	CASITAS VISTA RD	w/o Ojai Fwy (SR33)	x	4958	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.6	7	23	72	229
18	CENTER SCHOOL RD	s/o L.A. Ave (SR118)	x	1984	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.2	4	13	42	132
19	CENTER ST (Piru)	w/o Telegraph Rd (SR126)	x	1004	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.7	3	9	29	93
20	CENTRAL AVE	w/o Ventura Fwy (US101)	x	21088	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.9	62	196	619	1958
21	CENTRAL AVE	w/o Santa Clara Ave	unposted undivided highway	11666	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.9	62	196	620	1961
22	CENTRAL AVE	e/o Vineyard Ave (SR232)	x	13536	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.5	28	90	284	898
23	CHANNEL ISLANDS BLVD	w/o Rice Ave	unposted undivided highway	13047	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.4	69	219	693	2193
24	CREEK RD	e/o Country Club Dr	x	5584	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.8	4	12	38	120
25	CREEK RD	e/o Ventura Ave (SR33)	x	6167	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.6	18	57	181	573
26	DONLON RD	n/o La Cumbre Rd	x	2327	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	52.0	2	5	16	50
27	DORIS AVE	e/o Victoria Ave	unposted undivided highway	5852	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.9	31	98	311	984
28	EL ROBLAR DR	w/o Maricopa Hwy (SR33)	x	8565	25	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.7	6	18	58	184
29	ETTING RD	e/o Dodge Rd	unposted undivided highway	2994	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.0	16	50	159	503
30	FAIRVIEW RD	e/o Maricopa Hwy (SR33)	x	943	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.4	1	4	14	43
31	FAIRWAY DR	n/o Valley Vista Dr	x	3662	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.3	5	17	53	169
32	W FIFTH ST	e/o N Harbor Blvd	x	6305	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.6	9	29	92	291
33	FOOTHILL RD	w/o Peck Rd	x	2400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.1	13	40	128	403
34	FOOTHILL RD	w/o Briggs Rd	x	2000	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.2	4	13	42	133
35	FOOTHILL RD	e/o N Wells Rd	unposted undivided highway	3022	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.1	16	51	161	508
36	FOOTHILL RD	e/o Saticoy Ave	x	3979	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.3	21	67	211	669
37	GONZALES RD	e/o N Harbor Blvd	x	4000	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.3	21	67	213	672
38	GRIMES CANYON RD	n/o L.A. Ave (SR118)	x	3556	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.5	14	45	142	450
39	GUIBERSON RD	e/o Chambersburg Rd (SR23)	unposted undivided highway	1099	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.7	6	18	58	185
40	HARBOR BLVD	n/o Gonzales Rd	unposted undivided highway	21700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.6	115	365	1153	3647
41	HARBOR BLVD	s/o Gonzales Rd	unposted undivided highway	20200	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.3	107	340	1074	3395
42	HOWE RD	e/o Torrey Rd	unposted rural residential	980	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	51.6	1	5	14	45
43	HUENEME RD	e/o Las Posas Rd	x	12800	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.1	51	162	512	1619
44	HUENEME RD	e/o Nauman Rd	x	12370	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.9	49	156	495	1565
45	HUENEME RD	e/o Wood Rd	x	10423	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.2	42	132	417	1318
46	HUENEME RD	w/o Olds Rd	x	18644	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.7	75	236	746	2358
47	KANAN RD	e/o Lindero Canyon Rd	x	15651	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.6	46	145	460	1453
48	KANAN RD	e/o Hollytree Dr / Oak Hills Dr	x	15451	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.6	45	143	454	1435

49	KANAN RD	s/o Tamarind St	x	22719	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.2	67	211	667	2110
50	LA LUNA AVE	s/o Lomita Ave	x	4400	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	44	138
51	LAGUNA RD	e/o Pleasant Valley Rd	unposted undivided highway	2042	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.4	11	34	109	343
52	LAS POSAS RD	n/o E Fifth St (SR34)	unposted undivided highway	11049	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.7	59	186	587	1857
53	LAS POSAS RD	s/o E Fifth St (SR34)	unposted undivided highway	11312	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.8	60	190	601	1901
54	LAS POSAS RD	s/o Hueneme Rd	unposted undivided highway	6800	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.6	36	114	361	1143
55	LEWIS RD	s/o Pleasant Valley Rd	x	19700	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	79	249	788	2492
56	LEWIS RD	n/o Potrero Rd	unposted undivided highway	11600	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.9	62	195	617	1950
57	LOCKWOOD VALLEY RD	w/o Kern County Line	unposted undivided highway	900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.8	5	15	48	151
58	LOCKWOOD VALLEY RD	e/o Maricopa Hwy (SR33)	unposted undivided highway	149	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	49.0	1	3	8	25
59	LOMITA AVE	e/o Tico Rd	x	5596	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.1	8	26	82	258
60	MAIN ST (Piru)	n/o Telegraph Rd (SR126)	x	4668	30	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.7	5	15	46	147
61	MOORPARK RD	n/o Santa Rosa Rd	unposted undivided highway	21969	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.7	117	369	1168	3692
62	OLD TELEGRAPH RD	w/o Grand Ave	x	5650	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.2	8	26	82	261
63	OLDS RD	n/o Hueneme Rd	unposted undivided highway	2573	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.4	14	43	137	432
64	OLIVAS PARK DR	w/o Victoria Ave	unposted undivided highway	14464	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.9	77	243	769	2431
65	PASADENA AVE	e/o Sespe St	x	400	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	50.7	1	4	12	37
66	PATTERSON RD	s/o Doris Ave	rural on unmarked road	1209	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	52.5	2	6	18	56
67	PLEASANT VALLEY RD	s/o E Fifth St (SR34)	x	16200	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.4	86	272	861	2723
68	PLEASANT VALLEY RD	w/o Las Posas Rd	x	16580	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.2	66	210	663	2097
69	POTRERO RD	e/o Lake Sherwood Dr (E)	x	9178	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.8	19	61	193	609
70	POTRERO RD	w/o Stafford Rd	x	4617	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.9	10	31	97	306
71	POTRERO RD	w/o Hidden Valley Rd	x	3474	20	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	52.4	2	6	17	55
72	POTRERO RD	Milepost 2.75	unknown	4974	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.6	7	23	73	229
73	POTRERO RD	e/o Lewis Rd	x	4700	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	62.7	19	59	188	594
74	RICE AVE	s/o E Fifth St (SR34)	x	48408	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	72.9	194	612	1936	6123
75	RICE AVE	n/o Channel Islands Blvd	x	38981	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.9	156	493	1559	4931
76	RICE AVE	n/o Hueneme Rd	x	2400	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.8	10	30	96	304
77	RICE RD (Meiners Oaks)	s/o Lomita Ave	x	2403	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.8	10	30	96	304
78	ROSE AVE	s/o L.A. Ave (SR118)	x	12619	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.2	26	84	265	837
79	ROSE AVE	s/o Central Ave	x	13321	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.5	28	88	279	884
80	ROSE AVE	n/o Collins St	x	25724	40	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.3	54	171	540	1707
81	SANTA ANA BLVD	e/o Ventura River	x	2588	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.8	8	24	76	240
82	SANTA ANA RD	s/o Baldwin Rd (SR150)	x	972	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	54.6	3	9	29	90
83	SANTA ANA RD	s/o Santa Ana Blvd	x	4236	45	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.9	12	39	124	393
84	SANTA CLARA AVE	n/o Friedrich Rd	unposted undivided highway	15100	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	80	254	803	2538
85	SANTA CLARA AVE	s/o L.A. Ave (SR118)	unposted undivided highway	18500	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.9	98	311	983	3109
86	SANTA ROSA RD	w/o Moorpark Rd	unposted undivided highway	22635	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.8	120	380	1203	3804
87	SANTA ROSA RD	w/o E Las Posas Rd	same as above	15069	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	80	253	801	2533
88	SANTA SUSANA PASS RD	e/o Katherine Rd	curvy road	4500	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.2	7	21	66	208
89	SESPE ST	n/o South Mountain Rd	unposted undivided highway	2700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	61.6	14	45	144	454
90	SESPE ST	s/o Pasadena Ave	unposted undivided highway	700	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.7	4	12	37	118
91	SOUTH MOUNTAIN RD	e/o Balcom Canyon Rd	curvy road	2219	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	55.1	3	10	32	102
92	SOUTH MOUNTAIN RD	s/o Santa Clara River	curvy road	4746	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.4	7	22	69	219
93	STOCKTON RD	e/o Balcom Canyon Rd	curvy road	2973	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.4	4	14	43	137
94	STURGIS RD	w/o Pleasant Valley Rd	unposted undivided highway	6584	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.4	35	111	350	1107
95	TAPO CANYON RD	s/o Bennett Rd	curvy road	1300	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	52.8	2	6	19	60
96	TELEGRAPH RD	w/o Briggs Rd	x	8271	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	65.2	33	105	331	1046
97	TELEGRAPH RD	w/o Olive Rd	unposted undivided highway	7300	50	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	64.7	29	92	292	923
98	TICO RD	n/o Ventura Ave (SR150)	x	3028	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.5	4	14	44	140
99	TIERRA REJADA RD	e/o Moorpark Fwy (SR23)	x	28719	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.8	153	483	1526	4827
100	TORREY RD	s/o Telegraph Rd (SR126)	unposted undivided highway	930	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	56.9	5	16	49	156
101	VALLEY VISTA DR	s/o Calle Aurora	x	6059	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	59.5	9	28	88	279
102	VENTURA AVE	n/o Canada Larga Rd	unposted undivided highway	1064	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	57.5	6	18	57	179
103	VENTURA AVE	n/o Shell Rd	x	7199	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	60.2	10	33	105	332
104	VICTORIA AVE	s/o Olivas Park Dr	x	44900	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	73.8	239	755	2386	7547
105	WALNUT AVE	n/o L.A. Ave (SR118)	unposted undivided highway	400	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	53.3	2	7	21	67
106	WENDY DR	n/o Gerald Dr	x	15687	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	63.6	23	72	229	724
107	WOOD RD	s/o Hueneme Rd	unposted undivided highway	1411	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	58.8	7	24	75	237
108	WOOD RD	s/o E Fifth St (SR34)	unposted undivided highway	11312	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.8	60	190	601	1901
109	WOOLEY RD	w/o Rice Ave	unposted undivided highway	13058	55	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.4	69	219	694	2195
110	YERBA BUENA RD	n/o Pacific Coast Hwy (SR1)	curvy road	600	35	100	100	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	49.4	1	3	9	28
				State Highways within Ventura County														
111	Route 1	CALLEGUAS CREEK	x	19886	70	100	100	93.5%	5.4%	1.1%	80.0%	15.0%	5.0%	73.7	237	749	2368	7487
112	Route 1	SEACLIFF COLONY, JCT. RTE. 101	x	4400	65	100	100	90.7%	5.9%	3.4%	80.0%	15.0%	5.0%	66.9	49	154	488	1542
113	Route 1	LAS CRUCES, JCT. RTE. 101; MOBIL OIL PIER	x	620	65	100	100	85.9%	8.2%	5.9%	80.0%	15.0%	5.0%	59.1	8	26	81	256

114	Route 23	GRIMES CANYON RD	x	8567	55	100	100	80.0%	5.9%	14.1%	80.0%	15.0%	5.0%	69.9	99	312	987	3120
115	Route 23	FILLMORE, JCT. RTE. 126, VENTURA RD	x	10478	45	100	100	86.3%	4.4%	9.3%	80.0%	15.0%	5.0%	67.7	59	185	585	1850
116	Route 33	WEST JCT. RTE. 150, BALDWIN RD	x	21500	40	100	100	96.1%	2.9%	1.0%	80.0%	15.0%	5.0%	66.7	47	147	465	1471
117	Route 33	LOS PADRES NATIONAL FOREST BOUNDARY	x	1454	40	100	100	95.5%	2.3%	2.3%	80.0%	15.0%	5.0%	55.5	4	11	35	111
118	Route 33	SESPE GORGE MAINT. STATION	x	494	35	100	100	91.5%	2.2%	6.3%	80.0%	15.0%	5.0%	51.0	1	4	13	40
119	Route 33	VENTURA/SANTA BARBARA COUNTY LINE	x	382	50	100	100	83.2%	12.4%	4.4%	80.0%	15.0%	5.0%	53.9	2	8	25	78
120	Route 34	SOMIS, JCT. RTE. 118, LOS ANGELES AVE	x	17002	40	100	100	85.8%	6.5%	7.7%	80.0%	15.0%	5.0%	68.4	69	219	692	2189
121	Route 101	VENTURA, VICTORIA AVE	x	132000	65	100	100	96.4%	1.8%	1.8%	80.0%	15.0%	5.0%	80.9	1221	3860	12207	38601
122	Route 101	VENTURA/SANTA BARBARA COUNTY LINE	x	82519	65	100	100	93.0%	3.4%	3.6%	80.0%	15.0%	5.0%	79.5	881	2787	8815	27874
123	Route 118	JCT. RTE. 232, VINEYARD AVE (West)	x	46326	55	100	100	88.2%	5.4%	6.4%	80.0%	15.0%	5.0%	75.8	376	1189	3761	11895
124	Route 118	JCT. RTE. 34, SOMIS RD (West)	x	14250	55	100	100	74.3%	10.8%	14.9%	80.0%	15.0%	5.0%	72.5	179	565	1787	5650
125	Route 118	GRIMES CANYON RD	x	22928	55	100	100	88.6%	3.9%	7.5%	80.0%	15.0%	5.0%	72.8	192	607	1919	6068
126	Route 118	MOORPARK, WEST JCT. RTE. 23, MOORPARK AVE	x	29000	45	100	100	86.9%	6.0%	7.0%	80.0%	15.0%	5.0%	71.7	147	466	1475	4663
127	Route 150	SANTA BARBARA/VENTURA COUNTY LINE	x	422	40	100	100	98.0%	1.6%	0.4%	80.0%	15.0%	5.0%	49.1	1	3	8	26
128	Route 150	JCT. RTE. 33 SOUTH, VENTURA AVE (South)	x	10300	40	100	100	98.1%	1.5%	0.4%	80.0%	15.0%	5.0%	63.0	20	62	197	625
129	Route 150	SANTA PAULA, NORTH CITY LIMIT	x	5026	35	100	100	96.2%	2.2%	1.6%	80.0%	15.0%	5.0%	59.1	8	25	80	254
130	Route 232	JCT. RTE. 118, LOS ANGELES AVE	x	19624	30	100	100	89.1%	5.7%	5.2%	80.0%	15.0%	5.0%	65.8	38	120	381	1204

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

\*\* Speed limits from: <http://product.itoworld.com/map/124> and google maps street view

Traffic Noise Spreadsheet Calculator



Project: Ventura General Plan Update

Noise Level Descriptor:   
 Site Conditions:   
 Traffic Input:   
 Traffic K-Factor:

		Input								Output				
Number	Name	Segment Description and Location		Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics			(dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>			
		From	To		Near	Far	% Auto	% Medium	% Heavy		% Day	% Eve	% Night	70 dBA
<b>Existing + Project Conditions</b>														
1														

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Traffic Noise Spreadsheet Calculator



Project: Ventura General Plan Update

Noise Level Descriptor:   
 Site Conditions:   
 Traffic Input:   
 Traffic K-Factor:

Segment Description and Location			Input							Output							
Number	Name	From	To	Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					(dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>				
					Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	70 dBA	65 dBA	60 dBA	55 dBA
Cumulative Conditions																	
1																	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.



Citation   Reference

- |    |  |   |
|----|--|---|
| 1  | Caltrans Technical Noise Supplement. 2009 (November). Table (5-11), Pg 5-60.   | Caltrans Technical Noise Supplement. 2013 (September). Table (4-2), Pg 4-17.          |
| 2  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-26), Pg 5-60.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (4-5), Pg 4-17        |
| 3  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-16), Pg 2-32.  | <b>NOT THE SAME. Does not exist in 2013 document. Consider revising. Original cit</b> |
| 4  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-11), Pg 5-47, 48.  | <b>Does not exist in 2013 document.</b>   |
| 5  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-26), Pg 2-55, 56.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-23), Pg 2-5        |
| 6  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-27), Pg 2-57.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-24), Pg 2-5        |
| 7  | Caltrans Technical Noise Supplement. 2009 (November). Pg 2-53.   | Caltrans Technical Noise Supplement. 2013 (September). Pg 2-57.                       |
| 8  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-7), Pg 5-45.   | <b>Does not exist in 2013 document.</b>   |
| 9  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-8), Pg 5-45.   | <b>Does not exist in 2013 document.</b>   |
| 10 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-9), Pg 5-45.   | <b>Does not exist in 2013 document.</b>   |
| 11 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-13), Pg 5-49.  | <b>Does not exist in 2013 document.</b>   |
| 12 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-14), Pg 5-49.  | <b>Does not exist in 2013 document.</b>   |
| 13 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (16), Pg 67 |   |
| 14 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (20), Pg 69 |   |
| 15 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (18), Pg 69 |   |

# Distance Propagation Calculations for Stationary Sources of Ground Vibration



**KEY:** Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

## STEP 1: Determine units in which to perform calculation.

- If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.
- If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

## STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

**Table A. Propagation of vibration decibels (VdB) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level (VdB)	@	distance (ft)
Impact pile driver	112	@	25
blasting	109	@	25
large bull dozer	87.0	@	25

## STEP 3A: Select the distance to the receiver.

Attenuated Noise Level at Receptor		
vibration level (VdB)	@	distance (ft)
65.0	@	925
65.0	@	730
65.0	@	135

## STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

**Table B. Propagation of peak particle velocity (PPV) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level (PPV)	@	distance (ft)
Impact pile driver	1.518	@	25
blasting	1.130	@	25
large bull dozer	0.089	@	25

## STEP 3B: Select the distance to the receiver.

Attenuated Noise Level at Receptor		
vibration level (PPV)	@	distance (ft)
0.190	@	100
0.197	@	80
0.191	@	15

### Notes:

Computation of propagated vibration levels is based on the equations presented on pg. 12-11 of FTA 2006.

Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.

### Sources:

Federal Transit Association (FTA). 2006 (May). Transit Noise and Vibration Impact Assessment. FTA-VA-90-1003-06. Washington, D.C. Available: <[http://www.fta.dot.gov/documents/FTA\\_Noise\\_and\\_Vibration\\_Manual.pdf](http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf)>. Accessed: September 24, 2010.