

Appendix F

Noise Data



Construction Source Noise Prediction Model

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L _{eq} dBA)	Equipment	Reference Emission Noise Levels (L _{max}) at 50 feet ¹	Usage Factor ¹
Threshold	2,040	50.0	Dozer	85	0.4
Residence 1	1000	56.2	Grader	80	0.4
	75	78.7			
			Ground Type	HARD	
			Source Height	8	
			Receiver Height	5	
			Ground Factor ²	0.00	
			Predicted Noise Level ³	L _{eq} dBA at 50 feet ³	
			Dozer	81.0	
			Grader	76.0	
			Combined Predicted Noise Level (L _{eq} dBA at 50 feet)		
			82.2		

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

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

³ 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;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

Construction Source Noise Prediction Model

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L_{eq} dBA)	Equipment	Reference Emission Noise Levels (L_{max}) at 50 feet ¹	Usage Factor ¹
Threshold	3,226	50.0	Grader	85	1
Residence 1	1000	60.2	Dozer	80	1
	75	82.7			
			Ground Type	HARD	
			Source Height	8	
			Receiver Height	5	
			Ground Factor ²	0.00	
			Predicted Noise Level ³	L_{eq} dBA at 50 feet ³	
			Grader	85.0	
			Dozer	80.0	
				Combined Predicted Noise Level (L_{eq} dBA at 50 feet)	
				86.2	

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

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

³ 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;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

Construction Source Noise Prediction Model

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L_{eq} dBA)	Equipment	Reference Emission Noise Levels (L_{max}) at 50 feet ¹	Usage Factor ¹
Threshold	2,040	50.0	Dozer	85	0.4
Residence 1	600	60.6	Grader	80	0.4
	75	78.7			
				Ground Type	HARD
				Source Height	8
				Receiver Height	5
				Ground Factor ²	0.00
				Predicted Noise Level ³	L_{eq} dBA at 50 feet ³
				Dozer	81.0
				Grader	76.0
				Combined Predicted Noise Level (L_{eq} dBA at 50 feet)	
				82.2	

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

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

³ 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;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

Construction Source Noise Prediction Model

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L_{eq} dBA)	Equipment	Reference Emission Noise Levels (L_{max}) at 50 feet ¹	Usage Factor ¹
Threshold	3,226	50.0	Grader	85	1
Residence 1	1000	60.2	Dozer	80	1
	600	64.6			
				Ground Type	HARD
				Source Height	8
				Receiver Height	5
				Ground Factor ²	0.00
				Predicted Noise Level ³	L_{eq} dBA at 50 feet ³
				Grader	85.0
				Dozer	80.0
				Combined Predicted Noise Level (L_{eq} dBA at 50 feet)	
				86.2	

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

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

³ 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;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

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

Alt. 2- 24-Hour Construction Noise

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	56.2	416,869	0	0	1	0	0	416,869
1:00	56.2	416,869	0	0	1	0	0	416,869
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	56.2	416,869	0	0	1	0	0	416,869
7:00	56.2	416,869	1	0	0	416,869	0	0
8:00	56.2	416,869	1	0	0	416,869	0	0
9:00	56.2	416,869	1	0	0	416,869	0	0
10:00	56.2	416,869	1	0	0	416,869	0	0
11:00	56.2	416,869	1	0	0	416,869	0	0
12:00	56.2	416,869	1	0	0	416,869	0	0
13:00	56.2	416,869	1	0	0	416,869	0	0
14:00	56.2	416,869	1	0	0	416,869	0	0
15:00	56.2	416,869	1	0	0	416,869	0	0
16:00	56.2	416,869	1	0	0	416,869	0	0
17:00	56.2	416,869	1	0	0	416,869	0	0
18:00	56.2	416,869	1	0	0	416,869	0	0
19:00	56.2	416,869	0	1	0	0	416,869	0
20:00	56.2	416,869	0	1	0	0	416,869	0
21:00	56.2	416,869	0	1	0	0	416,869	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty	5,002,433	1,250,608	1,250,614
Log Factor for CNEL Penalty (i.e., 10*log(x))	1	3	10
Sound Power during Period with penalty	5,002,433	3,751,824	12,506,142

Total Daily Sound Power, with penalties	21,260,399
Hours per Day	24
Average Hourly Sound Power, with penalties	885,850

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	416,869
0	1	0	416,869
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	416,869
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
1	0	416,869	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty	6,253,041	1,250,614
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	6,253,041	12,506,142

Total Daily Sound Power, with penalties	18,759,182
Hours per Day	24
Average Hourly Sound Power, with penalties	781,633
Ldn	58.9

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 3- 24-Hour Construction Noise

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	78.7	74,131,024	0	0	1	0	0	74,131,024
1:00	78.7	74,131,024	0	0	1	0	0	74,131,024
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	78.7	74,131,024	0	0	1	0	0	74,131,024
7:00	78.7	74,131,024	1	0	0	74,131,024	0	0
8:00	78.7	74,131,024	1	0	0	74,131,024	0	0
9:00	78.7	74,131,024	1	0	0	74,131,024	0	0
10:00	78.7	74,131,024	1	0	0	74,131,024	0	0
11:00	78.7	74,131,024	1	0	0	74,131,024	0	0
12:00	78.7	74,131,024	1	0	0	74,131,024	0	0
13:00	78.7	74,131,024	1	0	0	74,131,024	0	0
14:00	78.7	74,131,024	1	0	0	74,131,024	0	0
15:00	78.7	74,131,024	1	0	0	74,131,024	0	0
16:00	78.7	74,131,024	1	0	0	74,131,024	0	0
17:00	78.7	74,131,024	1	0	0	74,131,024	0	0
18:00	78.7	74,131,024	1	0	0	74,131,024	0	0
19:00	78.7	74,131,024	0	1	0	0	74,131,024	0
20:00	78.7	74,131,024	0	1	0	0	74,131,024	0
21:00	78.7	74,131,024	0	1	0	0	74,131,024	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty	#####	#####	#####
Log Factor for CNEL Penalty (i.e., 10*log(x))	1	3	10
Sound Power during Period with penalty	#####	#####	#####

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	#####

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	74,131,024
0	1	0	74,131,024
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	74,131,024
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
1	0	74,131,024	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty	#####	#####
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	#####	#####

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	#####
Ldn	81.4

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 4- 24-Hour Construction Noise

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	81.0	125,892,541	0	0	1	0	0	#####
1:00	81.0	125,892,541	0	0	1	0	0	#####
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	81.0	125,892,541	0	0	1	0	0	#####
7:00	81.0	125,892,541	1	0	0	#####	0	0
8:00	81.0	125,892,541	1	0	0	#####	0	0
9:00	81.0	125,892,541	1	0	0	#####	0	0
10:00	81.0	125,892,541	1	0	0	#####	0	0
11:00	81.0	125,892,541	1	0	0	#####	0	0
12:00	81.0	125,892,541	1	0	0	#####	0	0
13:00	81.0	125,892,541	1	0	0	#####	0	0
14:00	81.0	125,892,541	1	0	0	#####	0	0
15:00	81.0	125,892,541	1	0	0	#####	0	0
16:00	81.0	125,892,541	1	0	0	#####	0	0
17:00	81.0	125,892,541	1	0	0	#####	0	0
18:00	81.0	125,892,541	1	0	0	#####	0	0
19:00	81.0	125,892,541	0	1	0	0	#####	0
20:00	81.0	125,892,541	0	1	0	0	#####	0
21:00	81.0	125,892,541	0	1	0	0	#####	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty	#####	#####	#####
Log Factor for CNEL Penalty (i.e., 10*log(x))	1	3	10
Sound Power during Period with penalty	#####	#####	#####

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	#####

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	#####
0	1	0	#####
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	#####
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty	#####	#####
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	#####	#####

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	#####

Ldn 83.7

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 4- 24-Hour Construction Noise (non Res. Receptors)

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	60.6	1,148,154	0	0	1	0	0	1,148,154
1:00	60.6	1,148,154	0	0	1	0	0	1,148,154
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	60.6	1,148,154	0	0	1	0	0	1,148,154
7:00	60.6	1,148,154	1	0	0	1,148,154	0	0
8:00	60.6	1,148,154	1	0	0	1,148,154	0	0
9:00	60.6	1,148,154	1	0	0	1,148,154	0	0
10:00	60.6	1,148,154	1	0	0	1,148,154	0	0
11:00	60.6	1,148,154	1	0	0	1,148,154	0	0
12:00	60.6	1,148,154	1	0	0	1,148,154	0	0
13:00	60.6	1,148,154	1	0	0	1,148,154	0	0
14:00	60.6	1,148,154	1	0	0	1,148,154	0	0
15:00	60.6	1,148,154	1	0	0	1,148,154	0	0
16:00	60.6	1,148,154	1	0	0	1,148,154	0	0
17:00	60.6	1,148,154	1	0	0	1,148,154	0	0
18:00	60.6	1,148,154	1	0	0	1,148,154	0	0
19:00	60.6	1,148,154	0	1	0	0	1,148,154	0
20:00	60.6	1,148,154	0	1	0	0	1,148,154	0
21:00	60.6	1,148,154	0	1	0	0	1,148,154	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty 13,777,843 3,444,461 3,444,467

Log Factor for CNEL Penalty (i.e., 10*log(x)) 1 3 10

Sound Power during Period with penalty 13,777,843 10,333,383 34,444,669

Total Daily Sound Power, with penalties 58,555,895

Hours per Day 24

Average Hourly Sound Power, with penalties 2,439,829

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	1,148,154
0	1	0	1,148,154
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1,148,154
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
1	0	1,148,154	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty 17,222,304 3,444,467

Log Factor for Penalty (i.e., $10 \cdot \log(x)$) 1 10

Sound Power during Period with penalty 17,222,304 34,444,669

Total Daily Sound Power, with penalties 51,666,973

Hours per Day 24

Average Hourly Sound Power, with penalties 2,152,791

Ldn 63.3

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 4- 24-Hour Construction Noise Mitigation Calc

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	0.0	1	0	0	1	0	0	1
1:00	0.0	1	0	0	1	0	0	1
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	0.0	1	0	0	1	0	0	1
7:00	81.0	125,892,541	1	0	0	#####	0	0
8:00	81.0	125,892,541	1	0	0	#####	0	0
9:00	81.0	125,892,541	1	0	0	#####	0	0
10:00	81.0	125,892,541	1	0	0	#####	0	0
11:00	81.0	125,892,541	1	0	0	#####	0	0
12:00	81.0	125,892,541	1	0	0	#####	0	0
13:00	81.0	125,892,541	1	0	0	#####	0	0
14:00	81.0	125,892,541	1	0	0	#####	0	0
15:00	81.0	125,892,541	1	0	0	#####	0	0
16:00	81.0	125,892,541	1	0	0	#####	0	0
17:00	81.0	125,892,541	1	0	0	#####	0	0
18:00	81.0	125,892,541	1	0	0	#####	0	0
19:00	0.0	1	0	1	0	0	1	0
20:00	0.0	1	0	1	0	0	1	0
21:00	0.0	1	0	1	0	0	1	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty	#####	3	9
Log Factor for CNEL Penalty (i.e., 10*log(x))	1	3	10
Sound Power during Period with penalty	#####	9	90

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	62,946,275

Ldn computation on next

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	#####	0
1	0	1	0
1	0	1	0
1	0	1	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty	#####	9
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	#####	90

Total Daily Sound Power, with penalties	#####
Hours per Day	24
Average Hourly Sound Power, with penalties	62,946,274
Ldn	78.0

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 4- Leq Mitigation Calc.

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).

Measurement Site: NA: Sheet used to calculate 24-hour construction noise

Measurement Date: NA: Sheet used to calculate 24-hour construction noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	0.0	1	0	0	1	0	0	1
1:00	0.0	1	0	0	1	0	0	1
2:00	0.0	1	0	0	1	0	0	1
3:00	0.0	1	0	0	1	0	0	1
4:00	0.0	1	0	0	1	0	0	1
5:00	0.0	1	0	0	1	0	0	1
6:00	0.0	1	0	0	1	0	0	1
7:00	68.0	6,309,573	1	0	0	6,309,573	0	0
8:00	68.0	6,309,573	1	0	0	6,309,573	0	0
9:00	68.0	6,309,573	1	0	0	6,309,573	0	0
10:00	68.0	6,309,573	1	0	0	6,309,573	0	0
11:00	68.0	6,309,573	1	0	0	6,309,573	0	0
12:00	68.0	6,309,573	1	0	0	6,309,573	0	0
13:00	68.0	6,309,573	1	0	0	6,309,573	0	0
14:00	68.0	6,309,573	1	0	0	6,309,573	0	0
15:00	68.0	6,309,573	1	0	0	6,309,573	0	0
16:00	68.0	6,309,573	1	0	0	6,309,573	0	0
17:00	68.0	6,309,573	1	0	0	6,309,573	0	0
18:00	68.0	6,309,573	1	0	0	6,309,573	0	0
19:00	0.0	1	0	1	0	0	1	0
20:00	0.0	1	0	1	0	0	1	0
21:00	0.0	1	0	1	0	0	1	0
22:00	0.0	1	0	0	1	0	0	1
23:00	0.0	1	0	0	1	0	0	1

Sum of Sound Power during Period wo/penalty	75,714,881	3	9
Log Factor for CNEL Penalty (i.e., 10*log(x))	1	3	10
Sound Power during Period with penalty	75,714,881	9	90

Total Daily Sound Power, with penalties	75,714,980
Hours per Day	24
Average Hourly Sound Power, with penalties	3,154,791

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	6,309,573	0
1	0	1	0
1	0	1	0
1	0	1	0
0	1	0	1
0	1	0	1

Sum of Sound Power during Period wo/penalty	75,714,884	9
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	75,714,884	90

Total Daily Sound Power, with penalties	75,714,974
Hours per Day	24
Average Hourly Sound Power, with penalties	3,154,791
Ldn	65.0

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Alt. 3- 24-Hour Operational Noise

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).

Measurement Site: NA: Sheet used to calculate 24-hour operational noise

Measurement Date: NA: Sheet used to calculate 24-hour operational noise

Project Name: Yolo Cannabis

Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dB A/10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	44.7	29,512	0	0	1	0	0	29,512
1:00	44.7	29,512	0	0	1	0	0	29,512
2:00	44.7	29,512	0	0	1	0	0	29,512
3:00	44.7	29,512	0	0	1	0	0	29,512
4:00	44.7	29,512	0	0	1	0	0	29,512
5:00	44.7	29,512	0	0	1	0	0	29,512
6:00	44.7	29,512	0	0	1	0	0	29,512
7:00	44.7	29,512	1	0	0	29,512	0	0
8:00	44.7	29,512	1	0	0	29,512	0	0
9:00	44.7	29,512	1	0	0	29,512	0	0
10:00	44.7	29,512	1	0	0	29,512	0	0
11:00	44.7	29,512	1	0	0	29,512	0	0
12:00	44.7	29,512	1	0	0	29,512	0	0
13:00	44.7	29,512	1	0	0	29,512	0	0
14:00	44.7	29,512	1	0	0	29,512	0	0
15:00	44.7	29,512	1	0	0	29,512	0	0
16:00	44.7	29,512	1	0	0	29,512	0	0
17:00	44.7	29,512	1	0	0	29,512	0	0
18:00	44.7	29,512	1	0	0	29,512	0	0
19:00	44.7	29,512	0	1	0	0	29,512	0
20:00	44.7	29,512	0	1	0	0	29,512	0
21:00	44.7	29,512	0	1	0	0	29,512	0
22:00	44.7	29,512	0	0	1	0	0	29,512
23:00	44.7	29,512	0	0	1	0	0	29,512
Sum of Sound Power during Period wo/penalty						354,145	88,536	265,609
Log Factor for CNEL Penalty (i.e., 10*log(x))						1	3	10
Sound Power during Period with penalty						354,145	265,609	2,656,088

Total Daily Sound Power, with penalties	3,275,842
Hours per Day	24
Average Hourly Sound Power, with penalties	136,493

Ldn computation on next

Computation of Ldn

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	29,512
0	1	0	29,512
0	1	0	29,512
0	1	0	29,512
0	1	0	29,512
0	1	0	29,512
0	1	0	29,512
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
1	0	29,512	0
0	1	0	29,512
0	1	0	29,512

Sum of Sound Power during Period wo/penalty	442,681	265,609
Log Factor for Penalty (i.e., $10 \cdot \log(x)$)	1	10
Sound Power during Period with penalty	442,681	2,656,088

Total Daily Sound Power, with penalties	3,098,770
Hours per Day	24
Average Hourly Sound Power, with penalties	129,115
Ldn	51.1

Notes:

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

Source:

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.

Attenuation Calculations for Stationary Noise Sources

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: Identify the noise source and enter the reference noise level (dBA and distance).

STEP 2: Select the ground type (hard or soft), and enter the source and receiver heights.

STEP 3: Select the distance to the receiver.

Noise Source/ID	Reference Noise Level			Attenuation Characteristics				Attenuated Noise Level at Receptor		
	noise level (dBA)	@	distance (ft)	Ground Type (soft/hard)	Source Height (ft)	Receiver Height (ft)	Ground Factor	noise level (dBA)	@	distance (ft)
Construction CNEL	78.0	@	50	soft	12	5	0.60	68.1	@	120
Trimmer	81.0	@	3	soft	12	5	0.60	81.0	@	3
Trimmer	81.0	@	3	soft	12	5	0.60	44.7	@	75
AC Unit	61.0	@	10	soft	12	5	0.60	8.8	@	1000
Ac unit	61.0	@	10	soft	12	5	0.60	38.0	@	75
Generator	64.0	@	100	soft	12	5	0.60	38.0	@	1000
Generator	64.0	@	100	soft	12	5	0.60	67.2	@	75
							0.66			
							0.66			
							0.66			
							0.66			
							0.66			
							0.66			

Notes:

Estimates of attenuated noise levels do not account for reductions from intervening barriers, including walls, trees, vegetation, or structures of any type.

Computation of the attenuated noise level is based on the equation presented on pg. 12-3 and 12-4 of FTA 2006.

Computation of the ground factor is based on the equation presented in Figure 6-23 on pg. 6-23 of FTA 2006, where the distance of the reference noise level can be adjusted and the usage factor is not applied (i.e., the usage factor is equal to 1).

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>. Accessed: September 24, 2010.

Traffic Noise Spreadsheet Calculator (existing)



Project: Yolo Cannabis				Input										Output					
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																			
Segment Description and Location						Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}		Distance to Contour, (feet) ₃			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA	
#####																			
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street		6,123	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.3	21	45	97	208	
2	Clarksburg Road	SR 84 to So River Road		3,367	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.7	14	30	65	140	
3	Co Road 6	Co Rd 86 to Dunnigan limit		334	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	47.6	3	6	14	30	
4	Co Road 6	Dunningan limit to I-5		713	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.9	5	11	23	50	
5	Co Road 12A	County Road 85 to SR 505		102	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	42.5	1	3	6	14	
6	Co Road 12A/92/12	I 505 to Co road 99W		90	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	41.9	1	3	6	13	
7	Co Road 13	I-5 to Sr 113		2,698	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121	
8	Co Road 14	Co Road 85 to I 505		939	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.1	6	13	28	60	
9	Co Road 14	I 505 to I-5		2,323	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.1	11	24	51	109	
10	Co Road 16A	I-5 to SR 113		359	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	47.9	3	7	15	31	
11	Co Road 17	Sr 113 to Co Road 102		1,696	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.7	9	19	41	89	
12	Co Road 19	Co Road 87 to I 505		1,634	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.5	9	19	40	86	
13	Co Road 19	I 505 to Co Road 94B		741	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.1	5	11	24	51	
14	Co Road 21A		0	2,690	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	120	
15	Co Road 23	Co Road 85B to Co Road 89		1,103	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.8	7	14	31	66	
16	Co Road 24	Co Road 90 to Co Road 95		3,165	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.4	13	29	62	134	
17	Co Road 24	Co Road 95 to Co Road 98		4,896	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.3	18	39	83	180	
18	Co Road 27	I 505 to Co Road 95		1,856	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.1	9	20	44	94	
19	Co Road 27	CO Road 95 to CO Road 98		2,428	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.2	11	24	52	112	
20	Co Road 27	Co Road 98 to SR 113		7,042	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.9	23	49	106	229	
21	Co Road 28H	Co Road 102 to Co Road 105		1,803	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	92	
22	Co Road 29A/92E/29	I-505 to Co Road 95		646	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.5	5	10	22	47	
23	Co Road 29	Co Road 95 to Co Road 98		1,168	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.1	7	15	32	69	
24	Co Road 29	Co Road 98 to SR 113		2,868	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	58	126	
25	Co Road 29	SR 113 to Co Road 102		6,962	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.8	23	49	105	227	
26	Co Road 31	Co Road 93A to Co9 Road 95		5,849	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.1	20	44	94	202	
27	Co Road 31	Co Road 95 to County Road 98		8,075	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.5	25	54	116	251	
28	Co Road 32A	mace Blvd to Co Road 105		1,770	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	42	91	
29	Co Road 32A	Co Road 105 to Webster Street		3,547	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	14	31	67	145	
30	County Road 85B	Co Road 23 to County Road 21A		892	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.9	6	12	27	58	
31	County Road 85B	CountyRoad 21A to SR 16		2,790	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	57	123	
32	County Road 85	Sr 16 to Co Road 12		781	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.3	5	11	25	53	
33	Co Road 85/8/86	Co Road 12 to County Road 6		656	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.6	5	10	22	47	
34	Co Road 87	SR 16 to Co Road 14		1,027	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.5	6	14	29	63	
35	Co Road 89	Co Road 29A to Co Road 27		2,713	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121	
36	Co Road 89	Co Road 27 to Co Road 24A		1,365	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.7	8	17	36	77	
37	Co Road 89	Co Road 24A to SR 16		2,519	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.4	12	25	54	115	
38	Co Road 94B	Sr 16 to Co Road 19		1,175	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.1	7	15	32	69	
39	County Road 98	Solano County line to County Road 31		3,765	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.2	15	32	70	151	
40	County Road 98	Co Road 31 to to County Road 29		2,299	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.0	11	23	50	108	
41	County Road 98	Co Road 29 to County Road 27		2,147	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.7	10	22	48	104	
42	County Road 98	Co Road 27 to County Road 24		4,753	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.2	18	38	82	176	
43	County Road 98	Co Road 24 to SR 16		11,338	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.9	31	68	146	314	
44	County Road 99	Co Road 31 to Co Road 27		4,307	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.7	16	36	77	165	
45	County Road 99	Co Road 27 to Gibson Road		4,090	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	159	
46	Co Road 99W	Co Road 8 to Co Road 6		1,526	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.2	8	18	38	83	
47	Co Road 99W	Co Road 6 to Co Road 2		1,239	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.3	7	15	33	72	
48	Co Road 101A	Covell Blvd to Co Road 29		4,068	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	159	
49	Co Road 102	Covell Blvd to Co Road 29		12,370	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	72	155	333	
50	Co Road 102	Co Road 29 to Co Road 27		11,552	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.0	32	69	148	318	

Traffic Noise Spreadsheet Calculator (existing)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional										Ldn, Distance to Contour, (feet) ₃				
Number	Name	From	To	ADT	Speed (mph)	Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
#####								% Auto	% Medium	% Heavy	% Day	% Eve	% Night					
51	Co Road 102	County Road 27 to Gibson Road		12,098	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.2	33	71	152	328
52	Co Road 102	Gibson Road to I-5		22,917	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.0	50	108	233	502
53	Co Road 102	I-5 to County Road 17		6,810	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.7	22	48	104	224
54	Co Road 102	Co Road 17 to Sr 113		8,871	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	57	124	267
55	Co Road 105	Co Road 32A to Co Road 28H		1,986	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.4	10	21	46	98
56	Covell Blvd	County Road 98 to Sr 113		8,853	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	57	124	266
57	Covell Blvd	SR 113 to Co Road 102		24,747	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.3	53	114	245	529
58	Covell Blvd	Co Road 102 to mace Blvd		19,819	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	65.4	46	98	212	456
59	East Street	Gibson Road to I-5		11,037	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.8	31	66	143	309
60	Gibson Road	Co Road 98 to Sr 113		9,485	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.2	28	60	129	279
61	Harbor Blvd	US 50 to Reed Avenue		29,324	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	275	592
62	Jefferson Blvd	Gregory Avenue to US 50		30,334	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.2	61	130	281	606
63	mace Blvd	Co Road 35 to County Road 32D		1,455	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.0	8	17	37	80
64	mace Blvd	Co Road 32D to I-80		7,317	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	51	109	235
65	Main Street	Co Road 98 to SR 113		14,090	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.9	36	78	169	363
66	Old River Road	Co Road 127 to Co Road 118		5,248	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.6	19	41	87	188
67	Railroad Avenue	SR 128 to Winters limits		2,236	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.9	11	23	49	106
68	Reed Avenue	I-80 to Jeffeson Blvd		29,519	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	276	595
69	Russell Blvd	I-505 to Co Road 31		8,931	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	124	268
70	Russell Blvd	Co Road 98 to SR 113		9,179	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273
71	So River Road	Clarksburg Road to Freeport Bridge		5,391	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.7	19	41	89	191
72	So River Road	Freeport Bridge to Burrows Ave		803	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	54
73	Willow Point Road	SR 84 to So River Road		221	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	45.8	2	5	11	23
74	I-5 Northbound	Colusa Co Line to I-505		24,357	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.6	152	327	704	1516
75	I-5 Northbound	I-505 to Co Road 13		16,130	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	115	248	535	1152
76	I-5 Northbound	Co Road 13 to Sr 113 (East)		18,839	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.5	128	275	593	1277
77	I-5 Northbound	SR 113 (east) to Co Road 102		33,980	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.1	189	408	878	1893
78	I-5 Northbound	Co Road 102 to Sacramento Co line		40,190	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.8	212	456	983	2117
79	I-5 southbound	Colusa Co line to I-505		24,357	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.6	152	327	704	1516
80	I-5 southbound	I-505 to Co Road 13		16,129	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	115	248	535	1152
81	I-5 southbound	Co Road 13 to SR 113 (east)		18,831	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.5	128	275	593	1277
82	I-5 southbound	Sr 113 (east) to Co Road 102		32,493	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	74.9	184	396	853	1837
83	I-5 southbound	Co Road 102 to Sacramento Co Line		40,327	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.8	212	457	985	2122
84	I-505 Northbound	Solano Co Line to SR 128		19,895	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.8	132	285	615	1325
85	I-505 Northbound	SR 128 to Sr 16		14,205	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.3	106	228	491	1058
86	I-505 Northbound	SR 16 to Co Road 14		8,806	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.2	77	166	357	769
87	I-505 Northbound	Co Road 14 to I-5		7,328	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.4	68	147	316	681
88	I-505 Southbound	Solano Co line to SR 128		19,985	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.8	133	286	617	1329
89	I-505 Southbound	Sr 128 to SR 16		14,498	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.4	107	231	498	1073
90	I-505 Southbound	Sr 16 to Co Road 14		9,032	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.3	78	169	363	782
91	I-505 Southbound	Co Road 14 to I-5		8,329	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	74	160	344	741
92	I-80 eastbound	Solano Co line to Mace Blvd		78,785	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	332	714	1539	3316
93	I-80 eastbound	County Road 32A to US 50		88,659	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	773	1665	3587
94	I-80 westbound	Solano CO line to mace Blvd		77,753	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	329	708	1525	3286
95	I-80 westbound	County Road 32A to US 50		88,872	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	774	1668	3593
96	SR 113 Northbound	Solano Co line to Covell Blvd		17,120	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.5	101	218	469	1010
97	SR 113 Northbound	Covell Blvd to Gibson Road		14,506	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	90	195	420	905
98	SR 113 Northbound	Gibson Road to I-5		14,275	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	89	193	415	895
99	SR 113 Southbound	Solano Co line to Covell Blvd		17,874	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.7	104	224	483	1040
100	SR 113 Southbound	Covell Blvd to Gibson Road		14,038	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.7	88	191	411	885

Traffic Noise Spreadsheet Calculator (existing)



Project: Yolo Cannabis

Noise Level Descriptor: Ldn

Site Conditions: Soft

Traffic Input: ADT

Traffic K-Factor:

Input

Distance to Directional Centerline, (feet)₄

Speed (mph)

ADT

Near

Far

% Auto

% Medium

% Heavy

% Day

% Eve

% Night

Output

Ldn, (dBA)_{5,6,7}

Distance to Contour, (feet)₃

70 dBA

65 dBA

60 dBA

55 dBA

Number	Name	Segment Description and Location	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃	70 dBA	65 dBA	60 dBA	55 dBA
#####																					
101	SR 113 Southbound	Gibson Road to I-5			15,291	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	202	435	937	
102	SR 113	I-5 to Co Road 17			3,939	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.2	38	82	176	379	
103	SR 113	Co Road 17 to Co Road 13			1,923	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	61.1	24	51	109	235	
104	SR 113	Co Road 13 to Co Road 102			3,357	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.5	34	73	158	341	
105	SR 113	Co Road 102 to SR 45			10,764	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	74	160	344	741	
106	SR 128	Napa County line to Co Road 86			2,382	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.0	27	58	126	271	
107	SR 128	Co Road 86 to Railroad Avenue			11,353	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	77	165	357	768	
108	SR 128	Railroad Avenue to I-505			22,732	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	122	263	566	1220	
109	SR 16	Arbuckel Road to Co Road 78			1,873	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	60.9	23	50	107	231	
110	SR 16	Co Road 78 to Co Road 85B			4,489	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.7	41	89	192	414	
111	SR 16	Co Road 85B to Co Road 87			8,124	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	67.3	61	132	285	615	
112	SR 16	Co Road 87 to Co Road 21A			10,122	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.3	71	153	330	712	
113	SR 16	Co Road 21A to Madison			13,436	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.5	86	185	399	859	
114	SR 16	Madison to I-505			14,721	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	197	424	913	
115	SR 16	I-505 to Co Road 94B			14,281	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	90	193	415	895	
116	SR 16	Co Road 94B to Co Road 98			11,400	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	77	166	358	770	
117	SR 16	Main Street to I-5			9,408	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	67.9	68	146	315	678	
118	SR 45	SR 113 to Co Road 98A			1,189	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	59.0	17	37	79	171	
119	SR 84	Clarksburg Road to Gregory Avenue			2,409	65	75	115		90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273	

Traffic Noise Spreadsheet Calculator (Alt. 2)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional Centerline, (feet) ₄										Ldn, Distance to Contour, (feet) ₃				
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	(dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
#####																		
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street		6,123	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.3	21	45	97	208
2	Clarksburg Road	SR 84 to So River Road		3,367	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.7	14	30	65	140
3	Co Road 6	Co Rd 86 to Dunnigan limit		423	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	48.7	4	8	16	35
4	Co Road 6	Dunningan limit to I-5		802	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	54
5	Co Road 12A	County Road 85 to SR 505		124	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.3	2	3	7	16
6	Co Road 12A/92/12	I 505 to Co road 99W		122	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.3	2	3	7	15
7	Co Road 13	I-5 to Sr 113		2,744	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.8	12	26	57	122
8	Co Road 14	Co Road 85 to I 505		1,031	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.5	6	14	29	64
9	Co Road 14	I 505 to I-5		2,544	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.5	12	25	54	116
10	Co Road 16A	I-5 to SR 113		359	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	47.9	3	7	15	31
11	Co Road 17	Sr 113 to Co Road 102		1,726	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.8	9	19	42	90
12	Co Road 19	Co Road 87 to I 505		1,732	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.8	9	19	42	90
13	Co Road 19	I 505 to Co Road 94B		791	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	11	25	53
14	Co Road 21A		0	2,710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
15	Co Road 23	Co Road 85B to Co Road 89		1,249	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.4	7	16	34	72
16	Co Road 24	Co Road 90 to Co Road 95		3,244	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.5	14	29	63	136
17	Co Road 24	Co Road 95 to Co Road 98		4,939	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.3	18	39	84	181
18	Co Road 27	I 505 to Co Road 95		1,916	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.2	10	21	45	96
19	Co Road 27	CO Road 95 to CO Road 98		2,624	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.6	12	26	55	118
20	Co Road 27	Co Road 98 to SR 113		7,194	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	50	108	232
21	Co Road 28H	Co Road 102 to Co Road 105		1,843	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.1	9	20	43	94
22	Co Road 29A/92E/29	I-505 to Co Road 95		676	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.7	5	10	22	48
23	Co Road 29	Co Road 95 to Co Road 98		1,198	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.2	7	15	33	70
24	Co Road 29	Co Road 98 to SR 113		2,870	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	58	126
25	Co Road 29	SR 113 to Co Road 102		6,994	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.8	23	49	106	228
26	Co Road 31	Co Road 93A to Co9 Road 95		5,883	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.1	20	44	94	203
27	Co Road 31	Co Road 95 to County Road 98		8,115	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.5	25	54	117	251
28	Co Road 32A	mace Blvd to Co Road 105		1,770	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	42	91
29	Co Road 32A	Co Road 105 to Webster Street		3,567	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	15	31	67	145
30	County Road 85B	Co Road 23 to County Road 21A		956	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.2	6	13	28	60
31	County Road 85B	CountyRoad 21A to SR 16		2,836	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	58	125
32	County Road 85	Sr 16 to Co Road 12		897	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.9	6	12	27	58
33	Co Road 85/8/86	Co Road 12 to County Road 6		704	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.9	5	11	23	49
34	Co Road 87	SR 16 to Co Road 14		1,043	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.6	6	14	30	64
35	Co Road 89	Co Road 29A to Co Road 27		2,924	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.1	13	27	59	127
36	Co Road 89	Co Road 27 to Co Road 24A		1,530	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.2	8	18	38	83
37	Co Road 89	Co Road 24A to SR 16		2,651	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.6	12	26	55	119
38	Co Road 94B	Sr 16 to Co Road 19		1,189	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.1	7	15	32	70
39	County Road 98	Solano County line to County Road 31		3,811	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.2	15	33	71	152
40	County Road 98	Co Road 31 to to County Road 29		2,351	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.1	11	24	51	110
41	County Road 98	Co Road 29 to County Road 27		2,232	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.9	11	23	49	106
42	County Road 98	Co Road 27 to County Road 24		4,817	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.2	18	38	82	178
43	County Road 98	Co Road 24 to SR 16		11,670	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.1	32	69	149	320
44	County Road 99	Co Road 31 to Co Road 27		4,307	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.7	16	36	77	165
45	County Road 99	Co Road 27 to Gibson Road		4,118	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	160
46	Co Road 99W	Co Road 8 to Co Road 6		1,799	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	43	92
47	Co Road 99W	Co Road 6 to Co Road 2		1,239	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.3	7	15	33	72
48	Co Road 101A	Covell Blvd to Co Road 29		4,080	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	159
49	Co Road 102	Covell Blvd to Co Road 29		12,472	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.4	33	72	155	335
50	Co Road 102	Co Road 29 to Co Road 27		11,650	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.1	32	69	149	320

Traffic Noise Spreadsheet Calculator (Alt. 2)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional Centerline, (feet) ₄										Ldn, (dBA) _{5,6,7}				
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	70 dBA	65 dBA	60 dBA	55 dBA	
#####																		
51	Co Road 102	County Road 27 to Gibson Road		12,196	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	71	153	330
52	Co Road 102	Gibson Road to I-5		23,149	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.0	51	109	235	506
53	Co Road 102	I-5 to County Road 17		7,157	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.9	23	50	107	231
54	Co Road 102	Co Road 17 to Sr 113		9,246	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.1	27	59	127	274
55	Co Road 105	Co Road 32A to Co Road 28H		2,006	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.4	10	21	46	99
56	Covell Blvd	County Road 98 to Sr 113		8,887	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	124	267
57	Covell Blvd	SR 113 to Co Road 102		25,039	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.4	53	115	247	533
58	Covell Blvd	Co Road 102 to mace Blvd		19,819	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	65.4	46	98	212	456
59	East Street	Gibson Road to I-5		11,186	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.9	31	67	145	311
60	Gibson Road	Co Road 98 to Sr 113		9,785	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.3	28	61	132	285
61	Harbor Blvd	US 50 to Reed Avenue		29,324	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	275	592
62	Jefferson Blvd	Gregory Avenue to US 50		30,334	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.2	61	130	281	606
63	mace Blvd	Co Road 35 to County Road 32D		1,455	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.0	8	17	37	80
64	mace Blvd	Co Road 32D to I-80		7,317	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	51	109	235
65	Main Street	Co Road 98 to SR 113		14,266	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.9	37	79	170	366
66	Old River Road	Co Road 127 to Co Road 118		5,248	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.6	19	41	87	188
67	Railroad Avenue	SR 128 to Winters limits		2,438	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.3	11	24	52	113
68	Reed Avenue	I-80 to Jeffeson Blvd		29,519	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	276	595
69	Russell Blvd	I-505 to Co Road 31		8,999	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	125	269
70	Russell Blvd	Co Road 98 to SR 113		9,181	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273
71	So River Road	Clarksburg Road to Freeport Bridge		5,391	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.7	19	41	89	191
72	So River Road	Freeport Bridge to Burrows Ave		803	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	54
73	Willow Point Road	SR 84 to So River Road		221	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	45.8	2	5	11	23
74	I-5 Northbound	Colusa Co Line to I-505		24,572	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	329	708	1525
75	I-5 Northbound	I-505 to Co Road 13		16,266	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	250	538	1158
76	I-5 Northbound	Co Road 13 to Sr 113 (East)		19,072	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	277	598	1288
77	I-5 Northbound	SR 113 (east) to Co Road 102		34,264	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.1	190	410	883	1903
78	I-5 Northbound	Co Road 102 to Sacramento Co line		40,438	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.8	213	458	987	2125
79	I-5 southbound	Colusa Co line to I-505		24,570	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	328	708	1525
80	I-5 southbound	I-505 to Co Road 13		16,264	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	250	538	1158
81	I-5 southbound	Co Road 13 to SR 113 (east)		19,062	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	277	598	1287
82	I-5 southbound	Sr 113 (east) to Co Road 102		32,779	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	74.9	185	398	858	1848
83	I-5 southbound	Co Road 102 to Sacramento Co Line		40,577	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	213	459	989	2130
84	I-505 Northbound	Solano Co Line to SR 128		20,569	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	135	292	629	1354
85	I-505 Northbound	SR 128 to Sr 16		14,690	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.5	108	233	502	1082
86	I-505 Northbound	SR 16 to Co Road 14		8,992	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.3	78	168	362	780
87	I-505 Northbound	Co Road 14 to I-5		7,406	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	69	148	318	685
88	I-505 Southbound	Solano Co line to SR 128		20,656	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	136	293	630	1358
89	I-505 Southbound	Sr 128 to SR 16		14,981	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.5	110	236	509	1096
90	I-505 Southbound	Sr 16 to Co Road 14		9,216	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.4	79	171	368	793
91	I-505 Southbound	Co Road 14 to I-5		8,407	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	75	161	346	746
92	I-80 eastbound	Solano Co line to Mace Blvd		78,837	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	332	715	1540	3317
93	I-80 eastbound	County Road 32A to US 50		88,720	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	773	1666	3589
94	I-80 westbound	Solano CO line to mace Blvd		77,805	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	329	708	1526	3288
95	I-80 westbound	County Road 32A to US 50		88,934	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	774	1668	3594
96	SR 113 Northbound	Solano Co line to Covell Blvd		17,279	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.6	102	219	472	1016
97	SR 113 Northbound	Covell Blvd to Gibson Road		14,727	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	197	424	914
98	SR 113 Northbound	Gibson Road to I-5		14,462	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	90	194	419	903
99	SR 113 Southbound	Solano Co line to Covell Blvd		18,023	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.8	105	225	485	1045
100	SR 113 Southbound	Covell Blvd to Gibson Road		14,258	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	89	193	415	894

Traffic Noise Spreadsheet Calculator (Alt. 2)



Project: Yolo Cannabis

Noise Level Descriptor: Ldn

Site Conditions: Soft

Traffic Input: ADT

Traffic K-Factor:

Segment Description and Location				Input										Output				
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics					Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃				
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	70 dBA	65 dBA	60 dBA	55 dBA
#####																		
101	SR 113 Southbound	Gibson Road to I-5		15,477	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	203	438	944
102	SR 113	I-5 to Co Road 17		3,969	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.2	38	82	177	381
103	SR 113	Co Road 17 to Co Road 13		1,923	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	61.1	24	51	109	235
104	SR 113	Co Road 13 to Co Road 102		3,403	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.5	34	74	160	344
105	SR 113	Co Road 102 to SR 45		10,789	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	74	160	345	743
106	SR 128	Napa County line to Co Road 86		2,584	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.3	29	62	133	286
107	SR 128	Co Road 86 to Railroad Avenue		11,555	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	78	167	361	777
108	SR 128	Railroad Avenue to I-505		22,934	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	123	264	570	1228
109	SR 16	Arbuckel Road to Co Road 78		2,523	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.2	28	61	131	282
110	SR 16	Co Road 78 to Co Road 85B		5,139	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	65.3	45	98	210	453
111	SR 16	Co Road 85B to Co Road 87		8,798	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	67.7	65	140	301	648
112	SR 16	Co Road 87 to Co Road 21A		11,217	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.7	76	164	354	762
113	SR 16	Co Road 21A to Madison		14,547	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	91	195	421	906
114	SR 16	Madison to I-505		15,700	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.2	95	205	443	953
115	SR 16	I-505 to Co Road 94B		14,792	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	92	197	425	916
116	SR 16	Co Road 94B to Co Road 98		11,917	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	79	171	368	793
117	SR 16	Main Street to I-5		9,694	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.1	69	149	321	691
118	SR 45	SR 113 to Co Road 98A		1,189	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	59.0	17	37	79	171
119	SR 84	Clarksburg Road to Gregory Avenue		2,409	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273

Traffic Noise Spreadsheet Calculator (Alt. 3)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional Centerline, (feet) ₄										Ldn, Distance to Contour, (feet) ₃				
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	Ldn, (dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
#####																		
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street		6,219	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.3	21	45	98	211
2	Clarksburg Road	SR 84 to So River Road		3,537	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	14	31	67	145
3	Co Road 6	Co Rd 86 to Dunnigan limit		855	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.7	6	12	26	56
4	Co Road 6	Dunningan limit to I-5		1,234	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.3	7	15	33	72
5	Co Road 12A	County Road 85 to SR 505		150	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	44.2	2	4	8	18
6	Co Road 12A/92/12	I 505 to Co road 99W		174	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	44.8	2	4	9	19
7	Co Road 13	I-5 to Sr 113		2,754	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.8	12	26	57	122
8	Co Road 14	Co Road 85 to I 505		1,126	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.9	7	15	31	67
9	Co Road 14	I 505 to I-5		2,725	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
10	Co Road 16A	I-5 to SR 113		560	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	49.9	4	9	20	42
11	Co Road 17	Sr 113 to Co Road 102		1,812	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	93
12	Co Road 19	Co Road 87 to I 505		1,813	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	93
13	Co Road 19	I 505 to Co Road 94B		831	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.6	6	12	26	55
14	Co Road 21A		0	2,722	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
15	Co Road 23	Co Road 85B to Co Road 89		1,351	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.7	8	16	35	76
16	Co Road 24	Co Road 90 to Co Road 95		3,555	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	15	31	67	145
17	Co Road 24	Co Road 95 to Co Road 98		5,049	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.4	18	39	85	183
18	Co Road 27	I 505 to Co Road 95		1,946	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.3	10	21	45	97
19	Co Road 27	CO Road 95 to CO Road 98		2,824	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	58	124
20	Co Road 27	Co Road 98 to SR 113		7,417	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.1	24	51	110	237
21	Co Road 28H	Co Road 102 to Co Road 105		1,881	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.1	9	20	44	95
22	Co Road 29A/92E/29	I-505 to Co Road 95		742	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.1	5	11	24	51
23	Co Road 29	Co Road 95 to Co Road 98		1,264	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.4	7	16	34	73
24	Co Road 29	Co Road 98 to SR 113		2,914	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	59	127
25	Co Road 29	SR 113 to Co Road 102		7,066	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.9	23	49	106	229
26	Co Road 31	Co Road 93A to Co9 Road 95		5,943	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.1	20	44	95	204
27	Co Road 31	Co Road 95 to County Road 98		8,187	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.5	25	54	117	253
28	Co Road 32A	mace Blvd to Co Road 105		1,836	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	93
29	Co Road 32A	Co Road 105 to Webster Street		3,663	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.0	15	32	69	148
30	County Road 85B	Co Road 23 to County Road 21A		1,007	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.4	6	13	29	63
31	County Road 85B	CountyRoad 21A to SR 16		2,875	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	58	126
32	County Road 85	Sr 16 to Co Road 12		1,046	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.6	6	14	30	64
33	Co Road 85/8/86	Co Road 12 to County Road 6		783	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.3	5	11	25	53
34	Co Road 87	SR 16 to Co Road 14		1,045	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.6	6	14	30	64
35	Co Road 89	Co Road 29A to Co Road 27		2,967	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.1	13	28	60	129
36	Co Road 89	Co Road 27 to Co Road 24A		1,629	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.5	9	19	40	86
37	Co Road 89	Co Road 24A to SR 16		2,689	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	120
38	Co Road 94B	Sr 16 to Co Road 19		1,201	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.2	7	15	33	70
39	County Road 98	Solano County line to County Road 31		4,300	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.7	16	35	76	165
40	County Road 98	Co Road 31 to to County Road 29		2,717	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
41	County Road 98	Co Road 29 to County Road 27		2,625	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.6	12	26	55	118
42	County Road 98	Co Road 27 to County Road 24		5,163	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.5	19	40	86	186
43	County Road 98	Co Road 24 to SR 16		12,369	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	72	155	333
44	County Road 99	Co Road 31 to Co Road 27		4,347	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.8	17	36	77	166
45	County Road 99	Co Road 27 to Gibson Road		4,202	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.6	16	35	75	162
46	Co Road 99W	Co Road 8 to Co Road 6		1,958	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.3	10	21	45	97
47	Co Road 99W	Co Road 6 to Co Road 2		1,462	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.0	8	17	37	80
48	Co Road 101A	Covell Blvd to Co Road 29		4,160	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.6	16	35	75	161
49	Co Road 102	Covell Blvd to Co Road 29		12,722	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.4	34	73	157	339
50	Co Road 102	Co Road 29 to Co Road 27		11,937	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.2	33	70	151	325

Traffic Noise Spreadsheet Calculator (Alt. 3)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location																		
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃			
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
#####																		
51	Co Road 102	County Road 27 to Gibson Road		12,404	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	72	155	334
52	Co Road 102	Gibson Road to I-5		23,472	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.1	51	110	237	510
53	Co Road 102	I-5 to County Road 17		7,477	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.1	24	51	111	238
54	Co Road 102	Co Road 17 to Sr 113		9,186	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273
55	Co Road 105	Co Road 32A to Co Road 28H		2,036	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.5	10	22	46	100
56	Covell Blvd	County Road 98 to Sr 113		9,063	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	58	126	271
57	Covell Blvd	SR 113 to Co Road 102		25,653	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.5	54	117	251	542
58	Covell Blvd	Co Road 102 to mace Blvd		20,167	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	65.4	46	99	214	461
59	East Street	Gibson Road to I-5		11,560	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.0	32	69	148	318
60	Gibson Road	Co Road 98 to Sr 113		10,287	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.5	29	63	137	295
61	Harbor Blvd	US 50 to Reed Avenue		29,488	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	276	594
62	Jefferson Blvd	Gregory Avenue to US 50		30,562	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.2	61	131	283	609
63	mace Blvd	Co Road 35 to County Road 32D		1,753	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.8	9	20	42	91
64	mace Blvd	Co Road 32D to I-80		7,599	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.2	24	52	112	241
65	Main Street	Co Road 98 to SR 113		14,561	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	64.0	37	80	172	371
66	Old River Road	Co Road 127 to Co Road 118		5,412	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.7	19	41	89	192
67	Railroad Avenue	SR 128 to Winters limits		2,579	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.5	12	25	54	117
68	Reed Avenue	I-80 to Jeffeson Blvd		29,583	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	60	128	276	596
69	Russell Blvd	I-505 to Co Road 31		9,109	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	126	272
70	Russell Blvd	Co Road 98 to SR 113		9,235	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	274
71	So River Road	Clarksburg Road to Freeport Bridge		5,731	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.0	20	43	93	199
72	So River Road	Freeport Bridge to Burrows Ave		879	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.8	6	12	27	57
73	Willow Point Road	SR 84 to So River Road		391	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	48.3	3	7	15	33
74	I-5 Northbound	Colusa Co Line to I-505		25,106	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.8	155	333	718	1547
75	I-5 Northbound	I-505 to Co Road 13		16,595	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.0	117	253	545	1174
76	I-5 Northbound	Co Road 13 to Sr 113 (East)		19,507	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.7	131	282	607	1307
77	I-5 Northbound	SR 113 (east) to Co Road 102		34,908	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.2	193	415	894	1927
78	I-5 Northbound	Co Road 102 to Sacramento Co line		41,108	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	215	463	997	2149
79	I-5 southbound	Colusa Co line to I-505		25,105	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.8	155	333	718	1547
80	I-5 southbound	I-505 to Co Road 13		16,594	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.0	117	253	545	1174
81	I-5 southbound	Co Road 13 to SR 113 (east)		19,497	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.7	131	282	607	1307
82	I-5 southbound	Sr 113 (east) to Co Road 102		33,423	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.0	187	403	869	1872
83	I-5 southbound	Co Road 102 to Sacramento Co Line		41,247	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	215	464	1000	2154
84	I-505 Northbound	Solano Co Line to SR 128		21,544	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.1	140	301	648	1397
85	I-505 Northbound	SR 128 to Sr 16		15,552	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.7	112	242	522	1124
86	I-505 Northbound	SR 16 to Co Road 14		9,420	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.5	80	173	373	805
87	I-505 Northbound	Co Road 14 to I-5		7,723	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.7	70	152	327	705
88	I-505 Southbound	Solano Co line to SR 128		21,628	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.1	140	302	650	1400
89	I-505 Southbound	Sr 128 to SR 16		15,840	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	114	245	528	1138
90	I-505 Southbound	Sr 16 to Co Road 14		9,645	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.6	82	176	379	817
91	I-505 Southbound	Co Road 14 to I-5		8,724	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.2	76	165	355	765
92	I-80 eastbound	Solano Co line to Mace Blvd		79,074	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.8	332	716	1543	3324
93	I-80 eastbound	County Road 32A to US 50		89,095	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	360	775	1670	3599
94	I-80 westbound	Solano CO line to mace Blvd		78,043	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	329	710	1529	3295
95	I-80 westbound	County Road 32A to US 50		89,308	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	360	777	1673	3605
96	SR 113 Northbound	Solano Co line to Covell Blvd		17,436	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.6	102	220	475	1023
97	SR 113 Northbound	Covell Blvd to Gibson Road		15,045	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.0	93	200	430	927
98	SR 113 Northbound	Gibson Road to I-5		14,725	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	197	424	914
99	SR 113 Southbound	Solano Co line to Covell Blvd		18,190	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.8	105	227	488	1052
100	SR 113 Southbound	Covell Blvd to Gibson Road		14,576	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	91	195	421	907

Traffic Noise Spreadsheet Calculator (Alt. 3)



Project: Yolo Cannabis

Noise Level Descriptor: Ldn

Site Conditions: Soft

Traffic Input: ADT

Traffic K-Factor:

Segment Description and Location				Input										Output				
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics					Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃				
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	70 dBA	65 dBA	60 dBA	55 dBA
#####																		
101	SR 113 Southbound	Gibson Road to I-5		15,740	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.2	96	206	443	955
102	SR 113	I-5 to Co Road 17		4,065	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.3	39	83	180	387
103	SR 113	Co Road 17 to Co Road 13		1,955	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	61.1	24	51	110	238
104	SR 113	Co Road 13 to Co Road 102		3,433	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.6	35	75	161	346
105	SR 113	Co Road 102 to SR 45		10,824	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.6	74	160	345	744
106	SR 128	Napa County line to Co Road 86		2,627	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.4	29	62	134	290
107	SR 128	Co Road 86 to Railroad Avenue		11,598	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.9	78	168	362	779
108	SR 128	Railroad Avenue to I-505		22,977	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	123	265	570	1229
109	SR 16	Arbuckel Road to Co Road 78		3,730	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.9	37	79	170	366
110	SR 16	Co Road 78 to Co Road 85B		6,346	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	66.2	52	112	242	521
111	SR 16	Co Road 85B to Co Road 87		9,975	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.2	70	152	327	705
112	SR 16	Co Road 87 to Co Road 21A		12,451	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.2	82	176	379	817
113	SR 16	Co Road 21A to Madison		15,794	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.2	96	206	444	957
114	SR 16	Madison to I-505		16,945	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.5	100	216	466	1003
115	SR 16	I-505 to Co Road 94B		15,369	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	203	436	940
116	SR 16	Co Road 94B to Co Road 98		12,498	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.2	82	176	380	819
117	SR 16	Main Street to I-5		10,414	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.4	73	156	337	725
118	SR 45	SR 113 to Co Road 98A		1,189	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	59.0	17	37	79	171
119	SR 84	Clarksburg Road to Gregory Avenue		2,713	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.5	30	64	137	296

Traffic Noise Spreadsheet Calculator (Alt. 4)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location																		
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃			
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
#####																		
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street		6,123	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.3	21	45	97	208
2	Clarksburg Road	SR 84 to So River Road		3,369	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.7	14	30	65	140
3	Co Road 6	Co Rd 86 to Dunnigan limit		464	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	49.1	4	8	17	37
4	Co Road 6	Dunningan limit to I-5		843	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.7	6	12	26	56
5	Co Road 12A	County Road 85 to SR 505		130	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.5	2	3	7	16
6	Co Road 12A/92/12	I 505 to Co road 99W		128	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.5	2	3	7	16
7	Co Road 13	I-5 to Sr 113		2,748	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.8	12	26	57	122
8	Co Road 14	Co Road 85 to I 505		1,052	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.6	6	14	30	64
9	Co Road 14	I 505 to I-5		2,596	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.5	12	25	55	118
10	Co Road 16A	I-5 to SR 113		359	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	47.9	3	7	15	31
11	Co Road 17	Sr 113 to Co Road 102		1,726	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.8	9	19	42	90
12	Co Road 19	Co Road 87 to I 505		1,766	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	42	91
13	Co Road 19	I 505 to Co Road 94B		804	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.5	5	12	25	54
14	Co Road 21A		0	2,710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
15	Co Road 23	Co Road 85B to Co Road 89		1,259	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.4	7	16	34	73
16	Co Road 24	Co Road 90 to Co Road 95		3,259	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.5	14	29	64	137
17	Co Road 24	Co Road 95 to Co Road 98		4,946	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.3	18	39	84	181
18	Co Road 27	I 505 to Co Road 95		1,921	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.2	10	21	45	96
19	Co Road 27	CO Road 95 to CO Road 98		2,674	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	120
20	Co Road 27	Co Road 98 to SR 113		7,234	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	50	108	233
21	Co Road 28H	Co Road 102 to Co Road 105		1,823	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	93
22	Co Road 29A/92E/29	I-505 to Co Road 95		686	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.8	5	10	22	48
23	Co Road 29	Co Road 95 to Co Road 98		1,208	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.2	7	15	33	71
24	Co Road 29	Co Road 98 to SR 113		2,870	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	58	126
25	Co Road 29	SR 113 to Co Road 102		6,987	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.8	23	49	106	228
26	Co Road 31	Co Road 93A to Co9 Road 95		5,868	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.1	20	44	94	203
27	Co Road 31	Co Road 95 to County Road 98		8,101	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.5	25	54	117	251
28	Co Road 32A	mace Blvd to Co Road 105		1,770	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	42	91
29	Co Road 32A	Co Road 105 to Webster Street		3,557	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	15	31	67	145
30	County Road 85B	Co Road 23 to County Road 21A		962	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.2	6	13	28	61
31	County Road 85B	CountyRoad 21A to SR 16		2,840	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	58	125
32	County Road 85	Sr 16 to Co Road 12		917	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.0	6	13	27	59
33	Co Road 85/8/86	Co Road 12 to County Road 6		710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.9	5	11	23	50
34	Co Road 87	SR 16 to Co Road 14		1,043	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.6	6	14	30	64
35	Co Road 89	Co Road 29A to Co Road 27		2,933	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.1	13	27	59	128
36	Co Road 89	Co Road 27 to Co Road 24A		1,539	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.3	8	18	39	83
37	Co Road 89	Co Road 24A to SR 16		2,657	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.6	12	26	55	119
38	Co Road 94B	Sr 16 to Co Road 19		1,195	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.2	7	15	33	70
39	County Road 98	Solano County line to County Road 31		3,805	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.2	15	33	70	152
40	County Road 98	Co Road 31 to to County Road 29		2,339	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.1	11	24	51	110
41	County Road 98	Co Road 29 to County Road 27		2,231	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.9	11	23	49	106
42	County Road 98	Co Road 27 to County Road 24		4,805	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.2	18	38	82	177
43	County Road 98	Co Road 24 to SR 16		11,710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.1	32	69	149	321
44	County Road 99	Co Road 31 to Co Road 27		4,307	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.7	16	36	77	165
45	County Road 99	Co Road 27 to Gibson Road		4,124	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	160
46	Co Road 99W	Co Road 8 to Co Road 6		1,756	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.8	9	20	42	91
47	Co Road 99W	Co Road 6 to Co Road 2		1,239	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.3	7	15	33	72
48	Co Road 101A	Covell Blvd to Co Road 29		4,082	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	159
49	Co Road 102	Covell Blvd to Co Road 29		12,469	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.4	33	72	155	335
50	Co Road 102	Co Road 29 to Co Road 27		11,648	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.1	32	69	149	320

Traffic Noise Spreadsheet Calculator (Alt. 4)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location																		
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃			
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night		70 dBA	65 dBA	60 dBA	55 dBA
#####																		
51	Co Road 102	County Road 27 to Gibson Road		12,194	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	71	153	330
52	Co Road 102	Gibson Road to I-5		23,170	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.0	51	109	235	506
53	Co Road 102	I-5 to County Road 17		7,174	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	50	108	232
54	Co Road 102	Co Road 17 to Sr 113		9,266	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.1	27	59	127	275
55	Co Road 105	Co Road 32A to Co Road 28H		1,996	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.4	10	21	46	99
56	Covell Blvd	County Road 98 to Sr 113		8,879	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	124	267
57	Covell Blvd	SR 113 to Co Road 102		25,078	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.4	53	115	248	533
58	Covell Blvd	Co Road 102 to mace Blvd		19,821	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	65.4	46	98	212	456
59	East Street	Gibson Road to I-5		11,212	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.9	31	67	145	312
60	Gibson Road	Co Road 98 to Sr 113		9,803	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.3	29	61	132	285
61	Harbor Blvd	US 50 to Reed Avenue		29,328	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	275	592
62	Jefferson Blvd	Gregory Avenue to US 50		30,337	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.2	61	130	281	606
63	mace Blvd	Co Road 35 to County Road 32D		1,455	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.0	8	17	37	80
64	mace Blvd	Co Road 32D to I-80		7,319	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	51	109	235
65	Main Street	Co Road 98 to SR 113		14,297	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.9	37	79	170	367
66	Old River Road	Co Road 127 to Co Road 118		5,252	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.6	19	41	87	188
67	Railroad Avenue	SR 128 to Winters limits		2,285	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.0	11	23	50	108
68	Reed Avenue	I-80 to Jeffeson Blvd		29,521	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	276	595
69	Russell Blvd	I-505 to Co Road 31		8,981	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	125	269
70	Russell Blvd	Co Road 98 to SR 113		9,181	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273
71	So River Road	Clarksburg Road to Freeport Bridge		5,396	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.7	19	41	89	192
72	So River Road	Freeport Bridge to Burrows Ave		804	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	54
73	Willow Point Road	SR 84 to So River Road		223	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	45.9	2	5	11	23
74	I-5 Northbound	Colusa Co Line to I-505		24,571	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	329	708	1525
75	I-5 Northbound	I-505 to Co Road 13		16,260	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	249	537	1158
76	I-5 Northbound	Co Road 13 to Sr 113 (East)		19,092	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	278	598	1289
77	I-5 Northbound	SR 113 (east) to Co Road 102		34,295	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.1	190	410	884	1904
78	I-5 Northbound	Co Road 102 to Sacramento Co line		40,476	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	213	458	987	2127
79	I-5 southbound	Colusa Co line to I-505		24,571	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	329	708	1525
80	I-5 southbound	I-505 to Co Road 13		16,260	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	249	537	1158
81	I-5 southbound	Co Road 13 to SR 113 (east)		19,083	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	278	598	1288
82	I-5 southbound	Sr 113 (east) to Co Road 102		32,809	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	74.9	185	398	858	1849
83	I-5 southbound	Co Road 102 to Sacramento Co Line		40,614	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	213	459	989	2132
84	I-505 Northbound	Solano Co Line to SR 128		20,602	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	136	292	629	1356
85	I-505 Northbound	SR 128 to Sr 16		14,754	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.5	109	234	504	1085
86	I-505 Northbound	SR 16 to Co Road 14		9,025	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.3	78	168	363	782
87	I-505 Northbound	Co Road 14 to I-5		7,411	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	69	148	318	686
88	I-505 Southbound	Solano Co line to SR 128		20,689	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	136	293	631	1360
89	I-505 Southbound	Sr 128 to SR 16		15,045	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.6	110	237	510	1099
90	I-505 Southbound	Sr 16 to Co Road 14		9,250	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.4	79	171	369	795
91	I-505 Southbound	Co Road 14 to I-5		8,413	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	75	161	346	746
92	I-80 eastbound	Solano Co line to Mace Blvd		78,835	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	332	715	1540	3317
93	I-80 eastbound	County Road 32A to US 50		88,715	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	773	1666	3589
94	I-80 westbound	Solano CO line to mace Blvd		77,803	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	329	708	1526	3288
95	I-80 westbound	County Road 32A to US 50		88,928	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	774	1668	3594
96	SR 113 Northbound	Solano Co line to Covell Blvd		17,274	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.6	102	219	472	1016
97	SR 113 Northbound	Covell Blvd to Gibson Road		14,738	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	197	424	914
98	SR 113 Northbound	Gibson Road to I-5		14,474	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	90	195	419	903
99	SR 113 Southbound	Solano Co line to Covell Blvd		18,027	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.8	105	225	485	1046
100	SR 113 Southbound	Covell Blvd to Gibson Road		14,269	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	89	193	415	895

Traffic Noise Spreadsheet Calculator (Alt. 4)



Project: Yolo Cannabis

Noise Level Descriptor: Ldn

Site Conditions: Soft

Traffic Input: ADT

Traffic K-Factor:

Segment Description and Location				Input										Output				
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics					Ldn, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃				
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	70 dBA	65 dBA	60 dBA	55 dBA
#####																		
101	SR 113 Southbound	Gibson Road to I-5		15,489	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	204	439	945
102	SR 113	I-5 to Co Road 17		3,969	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.2	38	82	177	381
103	SR 113	Co Road 17 to Co Road 13		1,923	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	61.1	24	51	109	235
104	SR 113	Co Road 13 to Co Road 102		3,407	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.5	34	74	160	344
105	SR 113	Co Road 102 to SR 45		10,792	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	74	160	345	743
106	SR 128	Napa County line to Co Road 86		2,431	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.1	27	59	128	275
107	SR 128	Co Road 86 to Railroad Avenue		11,402	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	77	166	358	770
108	SR 128	Railroad Avenue to I-505		22,781	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	122	263	567	1222
109	SR 16	Arbuckel Road to Co Road 78		2,602	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.4	29	62	134	288
110	SR 16	Co Road 78 to Co Road 85B		5,218	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	65.4	46	99	212	457
111	SR 16	Co Road 85B to Co Road 87		8,883	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	67.7	65	141	303	652
112	SR 16	Co Road 87 to Co Road 21A		11,324	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	77	165	356	767
113	SR 16	Co Road 21A to Madison		14,658	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	196	423	911
114	SR 16	Madison to I-505		15,804	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.2	96	206	445	958
115	SR 16	I-505 to Co Road 94B		14,848	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	92	198	426	919
116	SR 16	Co Road 94B to Co Road 98		11,977	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	80	172	370	796
117	SR 16	Main Street to I-5		9,718	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.1	69	149	321	693
118	SR 45	SR 113 to Co Road 98A		1,189	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	59.0	17	37	79	171
119	SR 84	Clarksburg Road to Gregory Avenue		2,413	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.0	27	59	127	274

Traffic Noise Spreadsheet Calculator (Alt. 5)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional										Ldn, Distance to Contour, (feet) ₃				
Number	Name	From	To	ADT	Speed (mph)	Centerline, (feet) ₄		Traffic Distribution Characteristics						Ldn, (dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night					
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street		6,123	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.3	21	45	97	208
2	Clarksburg Road	SR 84 to So River Road		3,367	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.7	14	30	65	140
3	Co Road 6	Co Rd 86 to Dunnigan limit		415	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	48.6	3	7	16	35
4	Co Road 6	Dunningan limit to I-5		794	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	53
5	Co Road 12A	County Road 85 to SR 505		124	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.3	2	3	7	16
6	Co Road 12A/92/12	I 505 to Co road 99W		122	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	43.3	2	3	7	15
7	Co Road 13	I-5 to Sr 113		2,710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
8	Co Road 14	Co Road 85 to I 505		1,026	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.5	6	14	29	63
9	Co Road 14	I 505 to I-5		2,528	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.4	12	25	54	116
10	Co Road 16A	I-5 to SR 113		359	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	47.9	3	7	15	31
11	Co Road 17	Sr 113 to Co Road 102		1,698	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.7	9	19	41	89
12	Co Road 19	Co Road 87 to I 505		1,694	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.7	9	19	41	88
13	Co Road 19	I 505 to Co Road 94B		787	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	11	25	53
14	Co Road 21A		0	2,710	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.7	12	26	56	121
15	Co Road 23	Co Road 85B to Co Road 89		1,249	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.4	7	16	34	72
16	Co Road 24	Co Road 90 to Co Road 95		3,244	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.5	14	29	63	136
17	Co Road 24	Co Road 95 to Co Road 98		4,939	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.3	18	39	84	181
18	Co Road 27	I 505 to Co Road 95		1,922	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.2	10	21	45	96
19	Co Road 27	CO Road 95 to CO Road 98		2,646	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.6	12	26	55	119
20	Co Road 27	Co Road 98 to SR 113		7,212	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	50	108	232
21	Co Road 28H	Co Road 102 to Co Road 105		1,823	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.0	9	20	43	93
22	Co Road 29A/92E/29	I-505 to Co Road 95		680	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.7	5	10	22	48
23	Co Road 29	Co Road 95 to Co Road 98		1,202	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.2	7	15	33	70
24	Co Road 29	Co Road 98 to SR 113		2,870	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.0	13	27	58	126
25	Co Road 29	SR 113 to Co Road 102		6,984	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.8	23	49	106	227
26	Co Road 31	Co Road 93A to Co9 Road 95		5,867	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.1	20	44	94	203
27	Co Road 31	Co Road 95 to County Road 98		8,099	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.5	25	54	117	251
28	Co Road 32A	mace Blvd to Co Road 105		1,770	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	42	91
29	Co Road 32A	Co Road 105 to Webster Street		3,557	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	57.9	15	31	67	145
30	County Road 85B	Co Road 23 to County Road 21A		958	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.2	6	13	28	61
31	County Road 85B	CountyRoad 21A to SR 16		2,837	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	58	125
32	County Road 85	Sr 16 to Co Road 12		887	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.9	6	12	27	57
33	Co Road 85/8/86	Co Road 12 to County Road 6		698	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	50.8	5	11	23	49
34	Co Road 87	SR 16 to Co Road 14		1,027	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	52.5	6	14	29	63
35	Co Road 89	Co Road 29A to Co Road 27		2,808	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.9	12	27	58	124
36	Co Road 89	Co Road 27 to Co Road 24A		1,407	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.9	8	17	36	78
37	Co Road 89	Co Road 24A to SR 16		2,527	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.4	12	25	54	116
38	Co Road 94B	Sr 16 to Co Road 19		1,187	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.1	7	15	32	70
39	County Road 98	Solano County line to County Road 31		3,811	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.2	15	33	71	152
40	County Road 98	Co Road 31 to to County Road 29		2,347	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.1	11	24	51	110
41	County Road 98	Co Road 29 to County Road 27		2,231	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.9	11	23	49	106
42	County Road 98	Co Road 27 to County Road 24		4,813	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.2	18	38	82	177
43	County Road 98	Co Road 24 to SR 16		11,601	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.0	32	69	148	319
44	County Road 99	Co Road 31 to Co Road 27		4,307	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.7	16	36	77	165
45	County Road 99	Co Road 27 to Gibson Road		4,120	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	160
46	Co Road 99W	Co Road 8 to Co Road 6		1,799	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.9	9	20	43	92
47	Co Road 99W	Co Road 6 to Co Road 2		1,239	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	53.3	7	15	33	72
48	Co Road 101A	Covell Blvd to Co Road 29		4,080	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	58.5	16	34	74	159
49	Co Road 102	Covell Blvd to Co Road 29		12,388	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.3	33	72	155	333
50	Co Road 102	Co Road 29 to Co Road 27		11,568	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.0	32	69	148	318

Traffic Noise Spreadsheet Calculator (Alt. 5)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location																		
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		% Auto	% Medium	% Heavy	% Day	% Eve	% Night	Ldn, (dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
						Near	Far											
51	Co Road 102	County Road 27 to Gibson Road		12,114	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.2	33	71	152	328
52	Co Road 102	Gibson Road to I-5		22,983	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.0	50	108	234	503
53	Co Road 102	I-5 to County Road 17		6,838	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	60.7	22	48	104	224
54	Co Road 102	Co Road 17 to Sr 113		8,901	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	124	267
55	Co Road 105	Co Road 32A to Co Road 28H		1,996	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	55.4	10	21	46	99
56	Covell Blvd	County Road 98 to Sr 113		8,876	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	124	267
57	Covell Blvd	SR 113 to Co Road 102		24,987	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	66.4	53	115	247	532
58	Covell Blvd	Co Road 102 to mace Blvd		19,819	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	65.4	46	98	212	456
59	East Street	Gibson Road to I-5		11,129	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.9	31	67	144	310
60	Gibson Road	Co Road 98 to Sr 113		9,623	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.2	28	61	131	282
61	Harbor Blvd	US 50 to Reed Avenue		29,324	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	275	592
62	Jefferson Blvd	Gregory Avenue to US 50		30,334	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.2	61	130	281	606
63	mace Blvd	Co Road 35 to County Road 32D		1,455	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	54.0	8	17	37	80
64	mace Blvd	Co Road 32D to I-80		7,317	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.0	23	51	109	235
65	Main Street	Co Road 98 to SR 113		14,190	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	63.9	36	79	169	365
66	Old River Road	Co Road 127 to Co Road 118		5,248	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.6	19	41	87	188
67	Railroad Avenue	SR 128 to Winters limits		2,280	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	56.0	11	23	50	108
68	Reed Avenue	I-80 to Jeffeson Blvd		29,519	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	67.1	59	128	276	595
69	Russell Blvd	I-505 to Co Road 31		8,975	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	61.9	27	58	125	269
70	Russell Blvd	Co Road 98 to SR 113		9,181	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273
71	So River Road	Clarksburg Road to Freeport Bridge		5,391	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	59.7	19	41	89	191
72	So River Road	Freeport Bridge to Burrows Ave		803	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	51.4	5	12	25	54
73	Willow Point Road	SR 84 to So River Road		221	45	75	115	97.5%	1.5%	1.0%	85.0%	7.5%	7.5%	45.8	2	5	11	23
74	I-5 Northbound	Colusa Co Line to I-505		24,546	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	328	707	1524
75	I-5 Northbound	I-505 to Co Road 13		16,254	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	249	537	1158
76	I-5 Northbound	Co Road 13 to Sr 113 (East)		19,069	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	277	598	1288
77	I-5 Northbound	SR 113 (east) to Co Road 102		34,238	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.1	190	410	883	1902
78	I-5 Northbound	Co Road 102 to Sacramento Co line		40,389	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.8	212	458	986	2124
79	I-5 southbound	Colusa Co line to I-505		24,544	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	73.7	152	328	707	1524
80	I-5 southbound	I-505 to Co Road 13		16,252	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.9	116	249	537	1158
81	I-5 southbound	Co Road 13 to SR 113 (east)		19,059	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.6	129	277	597	1287
82	I-5 southbound	Sr 113 (east) to Co Road 102		32,752	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	74.9	185	398	857	1847
83	I-5 southbound	Co Road 102 to Sacramento Co Line		40,527	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	75.9	213	459	988	2129
84	I-505 Northbound	Solano Co Line to SR 128		20,403	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	135	290	625	1347
85	I-505 Northbound	SR 128 to Sr 16		14,626	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.4	108	232	501	1079
86	I-505 Northbound	SR 16 to Co Road 14		8,969	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.3	78	168	361	779
87	I-505 Northbound	Co Road 14 to I-5		7,393	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	68	148	318	685
88	I-505 Southbound	Solano Co line to SR 128		20,491	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	72.9	135	291	627	1351
89	I-505 Southbound	Sr 128 to SR 16		14,916	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.5	109	236	507	1093
90	I-505 Southbound	Sr 16 to Co Road 14		9,194	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.4	79	171	368	792
91	I-505 Southbound	Co Road 14 to I-5		8,394	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.0	75	161	346	745
92	I-80 eastbound	Solano Co line to Mace Blvd		78,830	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	332	715	1540	3317
93	I-80 eastbound	County Road 32A to US 50		88,709	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	773	1666	3588
94	I-80 westbound	Solano CO line to mace Blvd		77,798	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	78.7	329	708	1526	3288
95	I-80 westbound	County Road 32A to US 50		88,922	65	50	150	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	79.3	359	774	1668	3594
96	SR 113 Northbound	Solano Co line to Covell Blvd		17,187	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.6	101	218	470	1013
97	SR 113 Northbound	Covell Blvd to Gibson Road		14,614	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	196	422	909
98	SR 113 Northbound	Gibson Road to I-5		14,352	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.8	90	193	417	898
99	SR 113 Southbound	Solano Co line to Covell Blvd		17,941	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.8	104	225	484	1042
100	SR 113 Southbound	Covell Blvd to Gibson Road		14,146	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.7	89	192	413	889

Traffic Noise Spreadsheet Calculator (Alt. 5)



Project: Yolo Cannabis				Input										Output				
Noise Level Descriptor: Ldn Site Conditions: Soft Traffic Input: ADT Traffic K-Factor:																		
Segment Description and Location				Distance to Directional Centerline, (feet) ₄										Distance to Contour, (feet) ₃				
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	Ldn, (dBA) _{5,6,7}	70 dBA	65 dBA	60 dBA	55 dBA
101	SR 113 Southbound	Gibson Road to I-5		15,368	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	203	436	940
102	SR 113	I-5 to Co Road 17		3,941	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	64.2	38	82	176	379
103	SR 113	Co Road 17 to Co Road 13		1,923	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	61.1	24	51	109	235
104	SR 113	Co Road 13 to Co Road 102		3,369	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	63.5	34	74	159	342
105	SR 113	Co Road 102 to SR 45		10,774	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	74	160	344	742
106	SR 128	Napa County line to Co Road 86		2,426	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.1	27	59	127	275
107	SR 128	Co Road 86 to Railroad Avenue		11,397	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.8	77	166	357	770
108	SR 128	Railroad Avenue to I-505		22,776	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	71.8	122	263	567	1222
109	SR 16	Arbuckel Road to Co Road 78		2,507	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.2	28	60	130	281
110	SR 16	Co Road 78 to Co Road 85B		5,123	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	65.3	45	97	210	452
111	SR 16	Co Road 85B to Co Road 87		8,774	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	67.6	65	139	300	647
112	SR 16	Co Road 87 to Co Road 21A		10,772	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.5	74	160	344	742
113	SR 16	Co Road 21A to Madison		14,102	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.7	89	191	412	888
114	SR 16	Madison to I-505		15,380	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	70.1	94	203	437	940
115	SR 16	I-505 to Co Road 94B		14,593	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	69.9	91	196	422	908
116	SR 16	Co Road 94B to Co Road 98		11,715	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.9	78	169	364	784
117	SR 16	Main Street to I-5		9,650	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	68.1	69	149	320	689
118	SR 45	SR 113 to Co Road 98A		1,189	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	59.0	17	37	79	171
119	SR 84	Clarksburg Road to Gregory Avenue		2,409	65	75	115	90.0%	7.0%	3.0%	85.0%	7.5%	7.5%	62.0	27	59	127	273

	Exist	Alt2	Change	Alt 3	Change	Alt 4	Change	Alt 5	Change
95	79.3	79.3	0.0	79.3	0.0	79.3	0.0	79.3	0.0
93	79.3	79.3	0.0	79.3	0.0	79.3	0.0	79.3	0.0
92	78.7	78.7	0.0	78.8	0.0	78.7	0.0	78.7	0.0
94	78.7	78.7	0.0	78.7	0.0	78.7	0.0	78.7	0.0
83	75.8	75.9	0.0	75.9	0.1	75.9	0.0	75.9	0.0
78	75.8	75.8	0.0	75.9	0.1	75.9	0.0	75.8	0.0
77	75.1	75.1	0.0	75.2	0.1	75.1	0.0	75.1	0.0
82	74.9	74.9	0.0	75.0	0.1	74.9	0.0	74.9	0.0
74	73.6	73.7	0.0	73.8	0.1	73.7	0.0	73.7	0.0
79	73.6	73.7	0.0	73.8	0.1	73.7	0.0	73.7	0.0
88	72.8	72.9	0.1	73.1	0.3	72.9	0.2	72.9	0.1
84	72.8	72.9	0.1	73.1	0.3	72.9	0.2	72.9	0.1
76	72.5	72.6	0.1	72.7	0.2	72.6	0.1	72.6	0.1
81	72.5	72.6	0.1	72.7	0.2	72.6	0.1	72.6	0.1
75	71.9	71.9	0.0	72.0	0.1	71.9	0.0	71.9	0.0
80	71.9	71.9	0.0	72.0	0.1	71.9	0.0	71.9	0.0
108	71.8	71.8	0.0	71.8	0.0	71.8	0.0	71.8	0.0
89	71.4	71.5	0.1	71.8	0.4	71.6	0.2	71.5	0.1
85	71.3	71.5	0.1	71.7	0.4	71.5	0.2	71.4	0.1
99	70.7	70.8	0.0	70.8	0.1	70.8	0.0	70.8	0.0
96	70.5	70.6	0.0	70.6	0.1	70.6	0.0	70.6	0.0
101	70.1	70.1	0.1	70.2	0.1	70.1	0.1	70.1	0.0
114	69.9	70.2	0.3	70.5	0.6	70.2	0.3	70.1	0.2
97	69.8	69.9	0.1	70.0	0.2	69.9	0.1	69.9	0.0
115	69.8	69.9	0.2	70.1	0.3	69.9	0.2	69.9	0.1
98	69.8	69.8	0.1	69.9	0.1	69.8	0.1	69.8	0.0
100	69.7	69.8	0.1	69.8	0.2	69.8	0.1	69.7	0.0
113	69.5	69.8	0.3	70.2	0.7	69.9	0.4	69.7	0.2
90	69.3	69.4	0.1	69.6	0.3	69.4	0.1	69.4	0.1
86	69.2	69.3	0.1	69.5	0.3	69.3	0.1	69.3	0.1
91	69.0	69.0	0.0	69.2	0.2	69.0	0.0	69.0	0.0
116	68.8	69.0	0.2	69.2	0.4	69.0	0.2	68.9	0.1
107	68.8	68.8	0.1	68.9	0.1	68.8	0.0	68.8	0.0
105	68.5	68.5	0.0	68.6	0.0	68.5	0.0	68.5	0.0
87	68.4	68.5	0.0	68.7	0.2	68.5	0.0	68.5	0.0
112	68.3	68.7	0.4	69.2	0.9	68.8	0.5	68.5	0.3
117	67.9	68.1	0.1	68.4	0.4	68.1	0.1	68.1	0.1
111	67.3	67.7	0.3	68.2	0.9	67.7	0.4	67.6	0.3
62	67.2	67.2	0.0	67.2	0.0	67.2	0.0	67.2	0.0
68	67.1	67.1	0.0	67.1	0.0	67.1	0.0	67.1	0.0
61	67.1	67.1	0.0	67.1	0.0	67.1	0.0	67.1	0.0
57	66.3	66.4	0.1	66.5	0.2	66.4	0.1	66.4	0.0
52	66.0	66.0	0.0	66.1	0.1	66.0	0.0	66.0	0.0
58	65.4	65.4	0.0	65.4	0.1	65.4	0.0	65.4	0.0
110	64.7	65.3	0.6	66.2	1.5	65.4	0.7	65.3	0.6
102	64.2	64.2	0.0	64.3	0.1	64.2	0.0	64.2	0.0
65	63.9	63.9	0.1	64.0	0.1	63.9	0.1	63.9	0.0
104	63.5	63.5	0.1	63.6	0.1	63.5	0.1	63.5	0.0
49	63.3	63.4	0.0	63.4	0.1	63.4	0.0	63.3	0.0
51	63.2	63.3	0.0	63.3	0.1	63.3	0.0	63.2	0.0
50	63.0	63.1	0.0	63.2	0.1	63.1	0.0	63.0	0.0
43	62.9	63.1	0.1	63.3	0.4	63.1	0.1	63.0	0.1
59	62.8	62.9	0.1	63.0	0.2	62.9	0.1	62.9	0.0
60	62.2	62.3	0.1	62.5	0.4	62.3	0.1	62.2	0.1
119	62.0	62.0	0.0	62.5	0.5	62.0	0.0	62.0	0.0
70	62.0	62.0	0.0	62.0	0.0	62.0	0.0	62.0	0.0
106	62.0	62.3	0.4	62.4	0.4	62.1	0.1	62.1	0.1
69	61.9	61.9	0.0	62.0	0.1	61.9	0.0	61.9	0.0
54	61.9	62.1	0.2	62.0	0.2	62.1	0.2	61.9	0.0
56	61.9	61.9	0.0	62.0	0.1	61.9	0.0	61.9	0.0

	Exist	Alt2	Change	Alt 3	Change	Alt 4	Change	Alt 5	Change
27	61.5	61.5	0.0	61.5	0.1	61.5	0.0	61.5	0.0
103	61.1	61.1	0.0	61.1	0.1	61.1	0.0	61.1	0.0
64	61.0	61.0	0.0	61.2	0.2	61.0	0.0	61.0	0.0
109	60.9	62.2	1.3	63.9	3.0	62.4	1.4	62.2	1.3
20	60.9	61.0	0.1	61.1	0.2	61.0	0.1	61.0	0.1
25	60.8	60.8	0.0	60.9	0.1	60.8	0.0	60.8	0.0
53	60.7	60.9	0.2	61.1	0.4	61.0	0.2	60.7	0.0
1	60.3	60.3	0.0	60.3	0.1	60.3	0.0	60.3	0.0
26	60.1	60.1	0.0	60.1	0.1	60.1	0.0	60.1	0.0
71	59.7	59.7	0.0	60.0	0.3	59.7	0.0	59.7	0.0
66	59.6	59.6	0.0	59.7	0.1	59.6	0.0	59.6	0.0
17	59.3	59.3	0.0	59.4	0.1	59.3	0.0	59.3	0.0
42	59.2	59.2	0.1	59.5	0.4	59.2	0.0	59.2	0.1
118	59.0	59.0	0.0	59.0	0.0	59.0	0.0	59.0	0.0
44	58.7	58.7	0.0	58.8	0.0	58.7	0.0	58.7	0.0
45	58.5	58.5	0.0	58.6	0.1	58.5	0.0	58.5	0.0
48	58.5	58.5	0.0	58.6	0.1	58.5	0.0	58.5	0.0
39	58.2	58.2	0.1	58.7	0.6	58.2	0.0	58.2	0.1
29	57.9	57.9	0.0	58.0	0.1	57.9	0.0	57.9	0.0
2	57.7	57.7	0.0	57.9	0.2	57.7	0.0	57.7	0.0
16	57.4	57.5	0.1	57.9	0.5	57.5	0.1	57.5	0.1
24	57.0	57.0	0.0	57.0	0.1	57.0	0.0	57.0	0.0
31	56.9	56.9	0.1	57.0	0.1	56.9	0.1	56.9	0.1
35	56.7	57.1	0.3	57.1	0.4	57.1	0.3	56.9	0.1
7	56.7	56.8	0.1	56.8	0.1	56.8	0.1	56.7	0.0
14	56.7	56.7	0.0	56.7	0.1	56.7	0.0	56.7	0.0
37	56.4	56.6	0.2	56.7	0.3	56.6	0.2	56.4	0.0
19	56.2	56.6	0.3	56.9	0.7	56.7	0.4	56.6	0.4
9	56.1	56.5	0.4	56.7	0.7	56.5	0.5	56.4	0.4
40	56.0	56.1	0.1	56.7	0.7	56.1	0.1	56.1	0.1
67	55.9	56.3	0.4	56.5	0.6	56.0	0.1	56.0	0.1
41	55.7	55.9	0.2	56.6	0.9	55.9	0.2	55.9	0.2
55	55.4	55.4	0.0	55.5	0.1	55.4	0.0	55.4	0.0
18	55.1	55.2	0.1	55.3	0.2	55.2	0.1	55.2	0.2
21	55.0	55.1	0.1	55.1	0.2	55.0	0.0	55.0	0.0
28	54.9	54.9	0.0	55.0	0.2	54.9	0.0	54.9	0.0
11	54.7	54.8	0.1	55.0	0.3	54.8	0.1	54.7	0.0
12	54.5	54.8	0.3	55.0	0.5	54.9	0.3	54.7	0.2
46	54.2	54.9	0.7	55.3	1.1	54.8	0.6	54.9	0.7
63	54.0	54.0	0.0	54.8	0.8	54.0	0.0	54.0	0.0
36	53.7	54.2	0.5	54.5	0.8	54.3	0.5	53.9	0.1
47	53.3	53.3	0.0	54.0	0.7	53.3	0.0	53.3	0.0
38	53.1	53.1	0.1	53.2	0.1	53.2	0.1	53.1	0.0
23	53.1	53.2	0.1	53.4	0.3	53.2	0.1	53.2	0.1
15	52.8	53.4	0.5	53.7	0.9	53.4	0.6	53.4	0.5
34	52.5	52.6	0.1	52.6	0.1	52.6	0.1	52.5	0.0
8	52.1	52.5	0.4	52.9	0.8	52.6	0.5	52.5	0.4
30	51.9	52.2	0.3	52.4	0.5	52.2	0.3	52.2	0.3
72	51.4	51.4	0.0	51.8	0.4	51.4	0.0	51.4	0.0
32	51.3	51.9	0.6	52.6	1.3	52.0	0.7	51.9	0.6
13	51.1	51.4	0.3	51.6	0.5	51.5	0.4	51.4	0.3
4	50.9	51.4	0.5	53.3	2.4	51.7	0.7	51.4	0.5
33	50.6	50.9	0.3	51.3	0.8	50.9	0.3	50.8	0.3
22	50.5	50.7	0.2	51.1	0.6	50.8	0.3	50.7	0.2
10	47.9	47.9	0.0	49.9	1.9	47.9	0.0	47.9	0.0
3	47.6	48.7	1.0	51.7	4.1	49.1	1.4	48.6	0.9
73	45.8	45.8	0.0	48.3	2.5	45.9	0.0	45.8	0.0
5	42.5	43.3	0.8	44.2	1.7	43.5	1.1	43.3	0.8
6	41.9	43.3	1.3	44.8	2.9	43.5	1.5	43.3	1.3

Citation # Citations

- | | | |
|----|--|--|
| 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. | FHWA 2004 TNM Version 2.5 |
| 4 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-11), Pg 5-47, 48. | FHWA 2004 TNM Version 2.5 |
| 5 | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-26), Pg 2-55, 56. | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-23), Pg 2-51, 52. |
| 6 | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-27), Pg 2-57. | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-24), Pg 2-53. |
| 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. | FHWA 2004 TNM Version 2.5 |
| 9 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-8), Pg 5-45. | FHWA 2004 TNM Version 2.5 |
| 10 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-9), Pg 5-45. | FHWA 2004 TNM Version 2.5 |
| 11 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-13), Pg 5-49. | FHWA 2004 TNM Version 2.5 |
| 12 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-14), Pg 5-49. | FHWA 2004 TNM Version 2.5 |
| 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 | |

References

California Department of Transportation (Caltrans). 2009 (November). Technical Noise Supplement. Available: http://www.dot.ca.gov/hq/env/noise/pub/tens_complete.pdf. Accessed August 17, 2017.

California Department of Transportation (Caltrans). 2013 (September). Technical Noise Supplement. Available: http://www.dot.ca.gov/hq/env/noise/pub/TeNS_Sept_2013A.pdf. Accessed August 17, 2017.

Federal Highway Administration. 2004. Traffic Noise Model Version 2.5. Available: https://www.fhwa.dot.gov/environment/noise/traffic_noise_model/tnm_v25/. Accessed August 17, 2017.

								4/22		22-Apr		4/23		4/23		4/23		4/23		
GP EX	2007	2017	#	ROAD	LOCATION	ADT	CAP CLASS	adt base (no alt 1)	adt alt 1	CUM NO ALT 1 ADT	CUM BASE ADT ALT 1	ALT 2	ALT 2	ALT 3	ALT 3	ALT 4	ALT 4	ALT 5	ALT 5	
	AADT	aadt										PM	ALONE ADT	CUM TOTAL	ALONE ADT	CUM TOTAL	ALONE ADT	CUM TOTAL	ALONE ADT	CUM TOTAL
2007																				
				Chiles Rd / Co Road 32B	Mace Blvd to Webster Street	5453	MINOR		231	901	5453	6123	0	6123	96	6219	0	6123	0	6123
				Clarksburg Road	SR 84 to So River Road	984	MINOR		2030	4413	984	3367	0	3367	170	3537	2	3369	0	3367
				Co Road 6	Co Rd 86 to Dunnigan limit	271	MINOR		1156	1219	271	334	89	423	521	855	130	464	81	415
					Dunningan limit to I-5	650	MINOR		1156	1219	650	713	89	802	521	1234	130	843	81	794
				Co Road 12A	County Road 85 to SR 505	93	MINOR				93	102	22	124	48	150	28	130	22	124
				Co Road 12A/92/12	I 505 to Co road 99W	82	MINOR				82	90	32	122	84	174	38	128	32	122
				Co Road 13	I-5 to Sr 113	1760	MINOR	2260	3198	1760	2698	46	2744	56	2754	50	2748	12	2710	
				Co Road 14	Co Road 85 to I 505	405	MINOR	881	1415	405	939	92	1031	187	1126	113	1052	87	1026	
					I 505 to I-5	1373	MINOR	2101	3051	1373	2323	221	2544	402	2725	273	2596	205	2528	
				Co Road 16A	I-5 to SR 113	272	MINOR	298	385	272	359	0	359	201	560	0	359	0	359	
				Co Road 17	Sr 113 to Co Road 102	1,542	MINOR			1542	1696	30	1726	116	1812	30	1726	2	1698	
				Co Road 19	Co Road 87 to I 505	1485	MINOR			1485	1634	98	1732	179	1813	132	1766	60	1694	
					I 505 to Co Road 94B	674	MINOR			674	741	50	791	90	831	63	804	46	787	
				Co Road 21A		2445	MINOR	0		2445	2690	20	2710	32	2722	20	2710	20	2710	
				Co Road 23	Co Road 85B to Co Road 89	1,003	MINOR			1003	1103	146	1249	248	1351	156	1259	146	1249	
				Co Road 24	Co Road 90 to Co Road 95	557	MINOR		1572	4180	557	3165	79	3244	390	3555	94	3259	79	3244
					Co Road 95 to Co Road 98	2,436	MINOR		2053	4513	2436	4896	43	4939	153	5049	50	4946	43	4939
				Co Road 27	I 505 to Co Road 95	1,585	MINOR		2114	2385	1585	1856	60	1916	90	1946	65	1921	66	1922
					CO Road 95 to CO Road 98	2,148	MINOR		6368	6648	2148	2428	196	2624	396	2824	246	2674	218	2646
					Co Road 98 to SR 113	4,501	MINOR		6536	9077	4501	7042	152	7194	375	7417	192	7234	170	7212
				Co Road 28H	Co Road 102 to Co Road 105	1,639	MINOR			1639	1803	40	1843	78	1881	20	1823	20	1823	
				Co Road 29A/92E/29	I-505 to Co Road 95	429	MINOR		848	1065	429	646	30	676	96	742	40	686	34	680
				Co Road 29	Co Road 95 to Co Road 98	866	MINOR		790	1092	866	1168	30	1198	96	1264	40	1208	34	1202
					Co Road 98 to SR 113	1,752	MINOR		1167	2283	1752	2868	2	2870	46	2914	2	2870	2	2870
					SR 113 to Co Road 102	6,012	MINOR		816	1766	6012	6962	32	6994	104	7066	25	6987	22	6984
				Co Road 31	Co Road 93A to Co9 Road 95	3,855	MINOR		2950	4944	3855	5849	34	5883	94	5943	19	5868	18	5867
					Co Road 95 to County Road 98	6,113	MINOR		3299	5261	6113	8075	40	8115	112	8187	26	8101	24	8099
				Co Road 32A	mace Blvd to Co Road 105	1,755	MINOR		1	16	1755	1770	0	1770	66	1836	0	1770	0	1770
					Co Road 105 to Webster Street	2789			486	1244	2789	3547	20	3567	116	3663	10	3557	10	3557
				County Road 85B	Co Road 23 to County Road 21A	811	MINOR			811	892	64	956	115	1007	70	962	66	958	
					CountyRoad 21A to SR 16	2,536	MINOR			2536	2790	46	2836	85	2875	50	2840	47	2837	
				County Road 85	Sr 16 to Co Road 12	476	MINOR		214	519	476	781	116	897	265	1046	136	917	106	887
				Co Road 85/8/86	Co Road 12 to County Road 6	667	MINOR		167	156	667	656	48	704	127	783	54	710	42	698
				Co Road 87	SR 16 to Co Road 14	210	MINOR		757	1574	210	1027	16	1043	18	1045	16	1043	0	1027
				Co Road 89	Co Road 29A to Co Road 27	1,553	MINOR		1712	2872	1553	2713	211	2924	254	2967	220	2933	95	2808
					Co Road 27 to Co Road 24A	1,183	MINOR		538	720	1183	1365	165	1530	264	1629	174	1539	42	1407
					Co Road 24A to SR 16	2,191	MINOR		821	1149	2191	2519	132	2651	170	2689	138	2657	8	2527
				Co Road 94B	Sr 16 to Co Road 19	991	MINOR		212	396	991	1175	14	1189	26	1201	20	1195	12	1187
				County Road 98	Solano County line to County Road 31	4008	MINOR		521	278	4008	3765	46	3811	535	4300	40	3805	46	3811
					Co Road 31 to to County Road 29	2,955	MAJOR		1297	641	2955	2299	52	2351	418	2717	40	2339	48	2347
					Co Road 29 to County Road 27	3,060	MAJOR		1577	664	3060	2147	85	2232	478	2625	84	2231	84	2231
					Co Road 27 to County Road 24	4,040	MAJOR		2697	3410	4040	4753	64	4817	410	5163	52	4805	60	4813
					Co Road 24 to SR 16	10,970	ART - 2		2755	3123	10970	11338	332	11670	1031	12369	372	11710	263	11601
				County Road 99	Co Road 31 to Co Road 27	2,461	MINOR		145	1991	2461	4307	0	4307	40	4347	0	4307	0	4307
					Co Road 27 to Gibson Road	3,737	MINOR		546	899	3737	4090	28	4118	112	4202	34	4124	30	4120
				Co Road 99W	Co Road 8 to Co Road 6	1,496	MINOR		794	824	1496	1526	273	1799	432	1958	230	1756	273	1799
					Co Road 6 to Co Road 2	1,155	MINOR		630	714	1155	1239	0	1239	223	1462	0	1239	0	1239
				Co Road 101A	Covell Blvd to Co Road 29	3,388	MINOR		568	1248	3388	4068	12	4080	92	4160	14	4082	12	4080
				Co Road 102	Covell Blvd to Co Road 29	9,968	MINOR		5381	7783	9968	12370	102	12472	352	12722	99	12469	18	12388
					Co Road 29 to Co Road 27	9,403			5103	7252	9403	11552	98	11650	385	11937	96	11648	16	11568
					County Road 27 to Gibson Road	7,414			7832	12516	7414	12098	98	12196	306	12404	96	12194	16	12114
					Gibson Road to I-5	22,029			13644	14532	22029	22917	232	23149	555	23472	253	23170	66	22983
					I-5 to County Road 17	6442			4168	4536	6442	6810	347	7157	667	7477	364	7174	28	6838
					Co Road 17 to Sr 113	8,709			2082	2244	8709	8871	375	9246	315	9186	395	9266	30	8901
				Co Road 105	Co Road 32A to Co Road 28H	1805	MINOR			1805	1986		20	2006	50	2036	10	1996	10	1996
				Covell Blvd	County Road 98 to Sr 113	6,444	MINOR			6444	8853		34	8887	210	9063	26	8879	23	8876
					SR 113 to Co Road 102	21,054			17683	21376	21054	24747	292	25039	906	25653	331	25078	240	24987
					Co Road 102 to mace Blvd	14,890			15680	20609	14890	19819	0	19819	348	20167	2	19821	0	19819
				East Street	Gibson Road to I-5	9,352			11346	13031	9352	11037	149	11186	523	11560	175	11212	92	11129
				Gibson Road	Co Road 98 to Sr 113	6,041			17924	21368	6041	9485	300	9785	802	10287	318	9803	138	9623
				Harbor Blvd	US 50 to Reed Avenue	21,636			19644	27332	21636	29324	0	29324	164	29488	4	29328	0	29324
				Jefferson Blvd	Gregory Avenue to US 50	20,734			34328	43928	20734	30334	0	30334	228	30562	3	30337	0	30334
				mace Blvd	Co Road 35 to County Road 32D	964			2443	2934	964	1455	0	1455	298	1753	0	1455	0	1455
					Co Road 32D to I-80	5,979			15518	16856	5979	7317	0	7317	282	7599	2	7319	0	7317
				Main Street	Co Road 98 to SR 113	11,791			18028	20327	11791	14090	176	14266	471	14561	207	14297	100	14190
				Old River Road	Co Road 127 to Co Road 118	4,352			536	1432	4352	5248	0	5248	164	5412	4	5252	0	5248
				Railroad Avenue	SR 128 to Winters limits	2,033			5927	2268	2033	2236	202	2438	343	2579	49	2285	44	2280
				Reed Avenue	I-80 to Jeffeson Blvd	19,634			23358	33243	19634	29519	0	29519	64	29583	2	29521	0	29519
				Russell Blvd	I-505 to Co Road 31	5,604			7609	10936	5604	8931	68	8999	178	9109	50	8981	44	8975
					Co Road 98 to SR 113	5,987			18726	21918	5987	9179	2	9181	56	9235	2	9181	2	9181
				So River Road	Clarksburg Road to Freeport Bridge	3005			2227	4613	3005	5391	0	5391	340	5731	5	5396	0	5391
					Freeport Bridge to Burrows Ave	443			95	455	443	803	0	803	76	879	1	804	0	803
						221				221	221		0	221	170	391	2	223	0	221
1040	31500	36300	22.61 A	Willow Point Road	SR 84 to So River Road	221														
				I-5 Northbound	Colusa Co Line to I-505		2-free		18158	24365	18150	24357								

GP EX	2007		#	ROAD	LOCATION	ADT	CAP CLASS	adt base (no alt 1)	4/22	CUM NO ALT 1 ADT	22-Apr	4/23		4/23		4/23		4/23	
	AADT	aadt							adt alt 1		CUM BASE ADT ALT 1	ALT 2 ALONE	ALT 2 CUM ADT TOTAL	ALT 3 ALONE ADT	ALT 3 CUM TOTAL	ALT 4 ALONE ADT	ALT 4 CUM TOTAL	ALT 5 ALONE ADT	ALT 5 CUM TOTAL
2007																			
770	25000	25000	16.616 A		I-505 to Co Road 13		2-free	13336	16966	12500	16130	136	16266	465	16595	130	16260	124	16254
1200	30500	30400	9.41 A		Co Road 13 to Sr 113 (East)		2-free	13231	16870	15200	18839	233	19072	668	19507	253	19092	230	19069
1280	45000	50000	5.530 A		Sr 113 (east) to Co Road 102		2-free	30256	39236	25000	33980	284	34264	928	34908	315	34295	258	34238
1710	53000	61000	.520 A		Co Road 102 to Sacramento Co line	2605	2-free	41032	50722	30500	40190	248	40438	918	41108	286	40476	199	40389
810				I-5 southbound	Colusa Co line to I-505		2-free	18145	24352	18150	24357	213	24570	748	25105	214	24571	187	24544
670					I-505 to Co Road 13		2-free	13332	16961	12500	16129	135	16264	465	16594	131	16260	123	16252
1220					Co Road 13 to SR 113 (east)		2-free	13263	16894	15200	18831	231	19062	666	19497	252	19083	228	19059
1690					Sr 113 (east) to Co Road 102		2-free	29172	36665	25000	32493	286	32779	930	33423	316	32809	259	32752
2110					Co Road 102 to Sacramento Co Line		2-free	41714	51541	30500	40327	250	40577	920	41247	287	40614	200	40527
710	23000	24,500	000 A	I-505 Northbound	Solano Co Line to SR 128		2-free	12170	19815	12250	19895	674	20569	1649	21544	707	20602	508	20403
490	19000	18,800	10.623 B		Sr 128 to Sr 16		2-free	8727	13532	9400	14205	485	14690	1347	15552	549	14754	421	14626
290	12600	12,300	10.623 A		SR 16 to Co Road 14		2-free	5496	8152	6150	8806	186	8992	614	9420	219	9025	163	8969
270	10800	11,500	17.447 A		Co Road 14 to I-5		2-free	5821	7399	5750	7328	78	7406	395	7723	83	7411	65	7393
560				I-505 Southbound	Solano Co line to SR 128		2-free	11478	19213	12250	19985	671	20656	1643	21628	704	20689	506	20491
460					Sr 128 to SR 16		2-free	8217	13315	9400	14498	483	14981	1342	15840	547	15045	418	14916
300					Sr 16 to Co Road 14		2-free	5272	8154	6150	9032	184	9216	613	9645	218	9250	162	9194
140					Co Road 14 to I-5		2-free	4812	7391	5750	8329	78	8407	395	8724	84	8413	65	8394
4320	126,000	133,600	.840 A	I-80 eastbound	Solano Co line to Mace Blvd		3-free	68778	80763	66800	78785	52	78837	289	79074	50	78835	45	78830
5540	140000	146,500	5.781 A		County Road 32A to US 50		3-free	83763	99172	73250	88659	61	88720	436	89095	56	88715	50	88709
4420				I-80 westbound	Solano CO line to mace Blvd		3-free	69013	79966	66800	77753	52	77805	290	78043	50	77803	45	77798
5110					County Road 32A to US 50		3-free	84762	100384	73250	88872	62	88934	436	89308	56	88928	50	88922
2270	33000	34,700	1.082 a	SR 113 Northbound	Solano Co line to Covell Blvd		3-free	18056	17826	17350	17120	159	17279	316	17436	154	17274	67	17187
1530	22000	23,900	9.228 B		Covell Blvd to Gibson Road		2-free	15727	18283	11950	14506	221	14727	539	15045	232	14738	108	14614
540	16000	20,600	10.218 B		Gibson Road to I-5		2-free	8151	12126	10300	14275	187	14462	450	14725	199	14474	77	14352
1280				SR 113 Southbound	Solano Co line to Covell Blvd		3-free	18664	19188	17350	17874	149	18023	316	18190	153	18027	67	17941
850					Covell Blvd to Gibson Road		2-free	15256	17344	11950	14038	220	14258	538	14576	231	14269	108	14146
420					Gibson Road to I-5		2-free	9882	14873	10300	15291	186	15477	449	15740	198	15489	77	15368
320	3700	3,650	12.330 A	SR 113	I-5 to Co Road 17		MAJOR	7844	8133	3,650	3939	30	3969	126	4065	30	3969	2	3941
90	3150	1950	14.089 A		Co Road 17 to Co Road 13		MAJOR	5399	5372	1,950	1923	0	1923	32	1955	0	1923	0	1923
150	2750	2,400	18.660 A		Co Road 13 to Co Road 102		MAJOR	5876	6833	2,400	3357	46	3403	76	3433	50	3407	12	3369
700	8600	9,450	21.20 A		Co Road 102 to SR 45		MAJOR	10019	11333	9,450	10764	25	10789	60	10824	28	10792	10	10774
160	1850	1,850	4.590 B	SR 128	Napa County line to Co Road 86		MINOR	2618	3150	1,850	2382	202	2584	245	2627	49	2431	44	2426
700	9200	10,800	8,770 B		Co Road 86 to Railroad Avenue		ART -2	2649	3202	10,800	11353	202	11555	245	11598	49	11402	44	11397
930	11200	14,000	9.835 B		Railroad Avenue to I-505		MAJOR	8562	17294	14,000	22732	202	22934	245	22977	49	22781	44	22776
		1,600	18.132 A	SR 16	Arbuckel Road to Co Road 78		MINOR	2598	2871	1,600	1873	650	2523	1857	3730	729	2602	634	2507
		4,000	19.200 A		Co Road 78 to Co Road 85B		MAJOR	5560	6049	4,000	4489	650	5139	1857	6346	729	5218	634	5123
480	12000	8,000	19.427 B		Co Road 85B to Co Road 87		MAJOR	5406	5530	8,000	8124	674	8798	1851	9975	759	8883	650	8774
710	1000	7,500	27.96 B		Co Road 87 to Co Road 21A		MAJOR	7586	10208	7,500	10122	1095	11217	2329	12451	1202	11324	650	10772
840	11600	10,700	28.266 A		Co Road 21A to Madison		MAJOR	9390	12126	10,700	13436	1111	14547	2358	15794	1222	14658	666	14102
840	14400	11,200	32.226 B		Madison to I-505		MAJOR	10214	13735	11,200	14721	979	15700	2224	16945	1083	15804	659	15380
970	7800	7800	36.71 B		I-505 to Co Road 94B		MAJOR	8574	15055	7,800	14281	511	14792	1088	15369	567	14848	312	14593
1000	9900	7800	36.71 A		Co Road 94B to Co Road 98		MAJOR	7696	11296	7,800	11400	517	11917	1098	12498	577	11977	315	11715
		6600	41.303 B		Main Street to I-5		0 ART - 2	7037	9845	6,600	9408	286	9694	1006	10414	310	9718	242	9650
70	860	1100	0.000 A	SR 45	SR 113 to Co Road 98A		0 MINOR	446	535	1,100	1189	0	1189	0	1189	1189	1189		1189
160	1500	1400	9.530 B	SR 84	Clarksburg Road to Gregory Avenue		MAJOR	2107	3116	1,400	2409	0	2409	304	2713	4	2413	0	2409

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street	6123	6123	6219	6123	6123
2	Clarksburg Road	SR 84 to So River Road	3367	3367	3537	3369	3367
3	Co Road 6	Co Rd 86 to Dunnigan limit	334	423	855	464	415
4	Co Road 6	Dunningan limit to I-5	713	802	1234	843	794
5	Co Road 12A	County Road 85 to SR 505	102	124	150	130	124
6	Co Road 12A/92/12	I 505 to Co road 99W	90	122	174	128	122
7	Co Road 13	I-5 to Sr 113	2698	2744	2754	2748	2710
8	Co Road 14	Co Road 85 to I 505	939	1031	1126	1052	1026
9	Co Road 14	I 505 to I-5	2323	2544	2725	2596	2528
10	Co Road 16A	I-5 to SR 113	359	359	560	359	359
11	Co Road 17	Sr 113 to Co Road 102	1696	1726	1812	1726	1698
12	Co Road 19	Co Road 87 to I 505	1634	1732	1813	1766	1694
13	Co Road 19	I 505 to Co Road 94B	741	791	831	804	787
14	Co Road 21A		0 2690	2710	2722	2710	2710
15	Co Road 23	Co Road 85B to Co Road 89	1103	1249	1351	1259	1249
16	Co Road 24	Co Road 90 to Co Road 95	3165	3244	3555	3259	3244
17	Co Road 24	Co Road 95 to Co Road 98	4896	4939	5049	4946	4939
18	Co Road 27	I 505 to Co Road 95	1856	1916	1946	1921	1922
19	Co Road 27	CO Road 95 to CO Road 98	2428	2624	2824	2674	2646
20	Co Road 27	Co Road 98 to SR 113	7042	7194	7417	7234	7212
21	Co Road 28H	Co Road 102 to Co Road 105	1803	1843	1881	1823	1823
22	Co Road 29A/92E/29	I-505 to Co Road 95	646	676	742	686	680
23	Co Road 29	Co Road 95 to Co Road 98	1168	1198	1264	1208	1202
24	Co Road 29	Co Road 98 to SR 113	2868	2870	2914	2870	2870
25	Co Road 29	SR 113 to Co Road 102	6962	6994	7066	6987	6984
26	Co Road 31	Co Road 93A to Co9 Road 95	5849	5883	5943	5868	5867
27	Co Road 31	Co Road 95 to County Road 98	8075	8115	8187	8101	8099
28	Co Road 32A	mace Blvd to Co Road 105	1770	1770	1836	1770	1770
29	Co Road 32A	Co Road 105 to Webster Street	3547	3567	3663	3557	3557
30	County Road 85B	Co Road 23 to County Road 21A	892	956	1007	962	958
31	County Road 85B	CountyRoad 21A to SR 16	2790	2836	2875	2840	2837
32	County Road 85	Sr 16 to Co Road 12	781	897	1046	917	887
33	Co Road 85/8/86	Co Road 12 to County Road 6	656	704	783	710	698
34	Co Road 87	SR 16 to Co Road 14	1027	1043	1045	1043	1027
35	Co Road 89	Co Road 29A to Co Road 27	2713	2924	2967	2933	2808
36	Co Road 89	Co Road 27 to Co Road 24A	1365	1530	1629	1539	1407
37	Co Road 89	Co Road 24A to SR 16	2519	2651	2689	2657	2527
38	Co Road 94B	Sr 16 to Co Road 19	1175	1189	1201	1195	1187
39	County Road 98	Solano County line to County Road 29	3765	3811	4300	3805	3811
40	County Road 98	Co Road 31 to to County Road 29	2299	2351	2717	2339	2347
41	County Road 98	Co Road 29 to County Road 27	2147	2232	2625	2231	2231
42	County Road 98	Co Road 27 to County Road 24	4753	4817	5163	4805	4813
43	County Road 98	Co Road 24 to SR 16	11338	11670	12369	11710	11601
44	County Road 99	Co Road 31 to Co Road 27	4307	4307	4347	4307	4307
45	County Road 99	Co Road 27 to Gibson Road	4090	4118	4202	4124	4120
46	Co Road 99W	Co Road 8 to Co Road 6	1526	1799	1958	1756	1799
47	Co Road 99W	Co Road 6 to Co Road 2	1239	1239	1462	1239	1239
48	Co Road 101A	Covell Blvd to Co Road 29	4068	4080	4160	4082	4080
49	Co Road 102	Covell Blvd to Co Road 29	12370	12472	12722	12469	12388
50	Co Road 102	Co Road 29 to Co Road 27	11552	11650	11937	11648	11568
51	Co Road 102	County Road 27 to Gibson Road	12098	12196	12404	12194	12114
52	Co Road 102	Gibson Road to I-5	22917	23149	23472	23170	22983
53	Co Road 102	I-5 to County Road 17	6810	7157	7477	7174	6838

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
54	Co Road 102	Co Road 17 to Sr 113	8871	9246	9186	9266	8901
55	Co Road 105	Co Road 32A to Co Road 28H	1986	2006	2036	1996	1996
56	Covell Blvd	County Road 98 to Sr 113	8853	8887	9063	8879	8876
57	Covell Blvd	SR 113 to Co Road 102	24747	25039	25653	25078	24987
58	Covell Blvd	Co Road 102 to mace Blvd	19819	19819	20167	19821	19819
59	East Street	Gibson Road to I-5	11037	11186	11560	11212	11129
60	Gibson Road	Co Road 98 to Sr 113	9485	9785	10287	9803	9623
61	Harbor Blvd	US 50 to Reed Avenue	29324	29324	29488	29328	29324
62	Jefferson Blvd	Gregory Avenue to US 50	30334	30334	30562	30337	30334
63	mace Blvd	Co Road 35 to County Road 32D	1455	1455	1753	1455	1455
64	mace Blvd	Co Road 32D to I-80	7317	7317	7599	7319	7317
65	Main Street	Co Road 98 to SR 113	14090	14266	14561	14297	14190
66	Old River Road	Co Road 127 to Co Road 118	5248	5248	5412	5252	5248
67	Railroad Avenue	SR 128 to Winters limits	2236	2438	2579	2285	2280
68	Reed Avenue	I-80 to Jeffeson Blvd	29519	29519	29583	29521	29519
69	Russell Blvd	I-505 to Co Road 31	8931	8999	9109	8981	8975
70	Russell Blvd	Co Road 98 to SR 113	9179	9181	9235	9181	9181
71	So River Road	Clarksburg Road to Freeport Brid	5391	5391	5731	5396	5391
72	So River Road	Freeport Bridge to Burrows Ave	803	803	879	804	803
73	Willow Point Road	SR 84 to So River Road	221	221	391	223	221
74	I-5 Northbound	Colusa Co Line to I-505	24357	24572	25106	24571	24546
75	I-5 Northbound	I-505 to Co Road 13	16130	16266	16595	16260	16254
76	I-5 Northbound	Co Road 13 to Sr 113 (East)	18839	19072	19507	19092	19069
77	I-5 Northbound	SR 113 (east) to Co Road 102	33980	34264	34908	34295	34238
78	I-5 Northbound	Co Road 102 to Sacramento Co li	40190	40438	41108	40476	40389
79	I-5 southbound	Colusa Co line to I-505	24357	24570	25105	24571	24544
80	I-5 southbound	I-505 to Co Road 13	16129	16264	16594	16260	16252
81	I-5 southbound	Co Road 13 to SR 113 (east)	18831	19062	19497	19083	19059
82	I-5 southbound	Sr 113 (east) to Co Road 102	32493	32779	33423	32809	32752
83	I-5 southbound	Co Road 102 to Sacramento Co Li	40327	40577	41247	40614	40527
84	I-505 Northbound	Solano Co Line to SR 128	19895	20569	21544	20602	20403
85	I-505 Northbound	SR 128 to Sr 16	14205	14690	15552	14754	14626
86	I-505 Northbound	SR 16 to Co Road 14	8806	8992	9420	9025	8969
87	I-505 Northbound	Co Road 14 to I-5	7328	7406	7723	7411	7393
88	I-505 Southbound	Solano Co line to SR 128	19985	20656	21628	20689	20491
89	I-505 Southbound	Sr 128 to SR 16	14498	14981	15840	15045	14916
90	I-505 Southbound	Sr 16 to Co Road 14	9032	9216	9645	9250	9194
91	I-505 Southbound	Co Road 14 to I-5	8329	8407	8724	8413	8394
92	I-80 eastbound	Solano Co line to Mace Blvd	78785	78837	79074	78835	78830
93	I-80 eastbound	County Road 32A to US 50	88659	88720	89095	88715	88709
94	I-80 westbound	Solano CO line to mace Blvd	77753	77805	78043	77803	77798
95	I-80 westbound	County Road 32A to US 50	88872	88934	89308	88928	88922
96	SR 113 Northbound	Solano Co line to Covell Blvd	17120	17279	17436	17274	17187
97	SR 113 Northbound	Covell Blvd to Gibson Road	14506	14727	15045	14738	14614
98	SR 113 Northbound	Gibson Road to I-5	14275	14462	14725	14474	14352
99	SR 113 Southbound	Solano Co line to Covell Blvd	17874	18023	18190	18027	17941
100	SR 113 Southbound	Covell Blvd to Gibson Road	14038	14258	14576	14269	14146
101	SR 113 Southbound	Gibson Road to I-5	15291	15477	15740	15489	15368
102	SR 113	I-5 to Co Road 17	3939	3969	4065	3969	3941
103	SR 113	Co Road 17 to Co Road 13	1923	1923	1955	1923	1923
104	SR 113	Co Road 13 to Co Road 102	3357	3403	3433	3407	3369
105	SR 113	Co Road 102 to SR 45	10764	10789	10824	10792	10774
106	SR 128	Napa County line to Co Road 86	2382	2584	2627	2431	2426

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
107	SR 128	Co Road 86 to Railroad Avenue	11353	11555	11598	11402	11397
108	SR 128	Railroad Avenue to I-505	22732	22934	22977	22781	22776
109	SR 16	Arbuckel Road to Co Road 78	1873	2523	3730	2602	2507
110	SR 16	Co Road 78 to Co Road 85B	4489	5139	6346	5218	5123
111	SR 16	Co Road 85B to Co Road 87	8124	8798	9975	8883	8774
112	SR 16	Co Road 87 to Co Road 21A	10122	11217	12451	11324	10772
113	SR 16	Co Road 21A to Madison	13436	14547	15794	14658	14102
114	SR 16	Madison to I-505	14721	15700	16945	15804	15380
115	SR 16	I-505 to Co Road 94B	14281	14792	15369	14848	14593
116	SR 16	Co Road 94B to Co Road 98	11400	11917	12498	11977	11715
117	SR 16	Main Street to I-5	9408	9694	10414	9718	9650
118	SR 45	SR 113 to Co Road 98A	1189	1189	1189	1189	1189
119	SR 84	Clarksburg Road to Gregory Aver	2409	2409	2713	2413	2409

Caltrans 2016 AADT Truck Data by Segmnet

			<u>Truck ADT by Axle</u>				<u>TOTAL</u>
			2 axle	3 axle	4 axle	5+ axle	
SR 16	32.226	JCT. RTE. 505	229	93	50	429	801
SR 113	R9.228	GIBSON RD	700	265	46	1402	2413

Noise Model Vehicle Clas Percent Input Calc

		Meadium Truck	Heavy Truck
SR 16	ADT	229	572
	percent	0.3	0.7
SR 113	ADT	700	1713
	percent	0.3	0.7

	Exist	Alt2	Change	Alt 3	Change	Alt 4	Change	Alt 5	Change
95	79.3	79.3	0.0	79.3	0.0	79.3	0.0	79.3	0.0
93	79.3	79.3	0.0	79.3	0.0	79.3	0.0	79.3	0.0
92	78.7	78.7	0.0	78.8	0.0	78.7	0.0	78.7	0.0
94	78.7	78.7	0.0	78.7	0.0	78.7	0.0	78.7	0.0
83	75.8	75.9	0.0	75.9	0.1	75.9	0.0	75.9	0.0
78	75.8	75.8	0.0	75.9	0.1	75.9	0.0	75.8	0.0
77	75.1	75.1	0.0	75.2	0.1	75.1	0.0	75.1	0.0
82	74.9	74.9	0.0	75.0	0.1	74.9	0.0	74.9	0.0
74	73.6	73.7	0.0	73.8	0.1	73.7	0.0	73.7	0.0
79	73.6	73.7	0.0	73.8	0.1	73.7	0.0	73.7	0.0
88	72.8	72.9	0.1	73.1	0.3	72.9	0.2	72.9	0.1
84	72.8	72.9	0.1	73.1	0.3	72.9	0.2	72.9	0.1
76	72.5	72.6	0.1	72.7	0.2	72.6	0.1	72.6	0.1
81	72.5	72.6	0.1	72.7	0.2	72.6	0.1	72.6	0.1
75	71.9	71.9	0.0	72.0	0.1	71.9	0.0	71.9	0.0
80	71.9	71.9	0.0	72.0	0.1	71.9	0.0	71.9	0.0
108	71.8	71.8	0.0	71.8	0.0	71.8	0.0	71.8	0.0
89	71.4	71.5	0.1	71.8	0.4	71.6	0.2	71.5	0.1
85	71.3	71.5	0.1	71.7	0.4	71.5	0.2	71.4	0.1
99	70.7	70.8	0.0	70.8	0.1	70.8	0.0	70.8	0.0
96	70.5	70.6	0.0	70.6	0.1	70.6	0.0	70.6	0.0
101	70.1	70.1	0.1	70.2	0.1	70.1	0.1	70.1	0.0
114	69.9	70.2	0.3	70.5	0.6	70.2	0.3	70.1	0.2
97	69.8	69.9	0.1	70.0	0.2	69.9	0.1	69.9	0.0
115	69.8	69.9	0.2	70.1	0.3	69.9	0.2	69.9	0.1
98	69.8	69.8	0.1	69.9	0.1	69.8	0.1	69.8	0.0
100	69.7	69.8	0.1	69.8	0.2	69.8	0.1	69.7	0.0
113	69.5	69.8	0.3	70.2	0.7	69.9	0.4	69.7	0.2
90	69.3	69.4	0.1	69.6	0.3	69.4	0.1	69.4	0.1
86	69.2	69.3	0.1	69.5	0.3	69.3	0.1	69.3	0.1
91	69.0	69.0	0.0	69.2	0.2	69.0	0.0	69.0	0.0
116	68.8	69.0	0.2	69.2	0.4	69.0	0.2	68.9	0.1
107	68.8	68.8	0.1	68.9	0.1	68.8	0.0	68.8	0.0
105	68.5	68.5	0.0	68.6	0.0	68.5	0.0	68.5	0.0
87	68.4	68.5	0.0	68.7	0.2	68.5	0.0	68.5	0.0
112	68.3	68.7	0.4	69.2	0.9	68.8	0.5	68.5	0.3
117	67.9	68.1	0.1	68.4	0.4	68.1	0.1	68.1	0.1
111	67.3	67.7	0.3	68.2	0.9	67.7	0.4	67.6	0.3
62	67.2	67.2	0.0	67.2	0.0	67.2	0.0	67.2	0.0
68	67.1	67.1	0.0	67.1	0.0	67.1	0.0	67.1	0.0
61	67.1	67.1	0.0	67.1	0.0	67.1	0.0	67.1	0.0
57	66.3	66.4	0.1	66.5	0.2	66.4	0.1	66.4	0.0
52	66.0	66.0	0.0	66.1	0.1	66.0	0.0	66.0	0.0
58	65.4	65.4	0.0	65.4	0.1	65.4	0.0	65.4	0.0
110	64.7	65.3	0.6	66.2	1.5	65.4	0.7	65.3	0.6
102	64.2	64.2	0.0	64.3	0.1	64.2	0.0	64.2	0.0
65	63.9	63.9	0.1	64.0	0.1	63.9	0.1	63.9	0.0
104	63.5	63.5	0.1	63.6	0.1	63.5	0.1	63.5	0.0
49	63.3	63.4	0.0	63.4	0.1	63.4	0.0	63.3	0.0
51	63.2	63.3	0.0	63.3	0.1	63.3	0.0	63.2	0.0
50	63.0	63.1	0.0	63.2	0.1	63.1	0.0	63.0	0.0
43	62.9	63.1	0.1	63.3	0.4	63.1	0.1	63.0	0.1
59	62.8	62.9	0.1	63.0	0.2	62.9	0.1	62.9	0.0
60	62.2	62.3	0.1	62.5	0.4	62.3	0.1	62.2	0.1
119	62.0	62.0	0.0	62.5	0.5	62.0	0.0	62.0	0.0
70	62.0	62.0	0.0	62.0	0.0	62.0	0.0	62.0	0.0
106	62.0	62.3	0.4	62.4	0.4	62.1	0.1	62.1	0.1
69	61.9	61.9	0.0	62.0	0.1	61.9	0.0	61.9	0.0
54	61.9	62.1	0.2	62.0	0.2	62.1	0.2	61.9	0.0
56	61.9	61.9	0.0	62.0	0.1	61.9	0.0	61.9	0.0

	Exist	Alt2	Change	Alt 3	Change	Alt 4	Change	Alt 5	Change
27	61.5	61.5	0.0	61.5	0.1	61.5	0.0	61.5	0.0
103	61.1	61.1	0.0	61.1	0.1	61.1	0.0	61.1	0.0
64	61.0	61.0	0.0	61.2	0.2	61.0	0.0	61.0	0.0
109	60.9	62.2	1.3	63.9	3.0	62.4	1.4	62.2	1.3
20	60.9	61.0	0.1	61.1	0.2	61.0	0.1	61.0	0.1
25	60.8	60.8	0.0	60.9	0.1	60.8	0.0	60.8	0.0
53	60.7	60.9	0.2	61.1	0.4	61.0	0.2	60.7	0.0
1	60.3	60.3	0.0	60.3	0.1	60.3	0.0	60.3	0.0
26	60.1	60.1	0.0	60.1	0.1	60.1	0.0	60.1	0.0
71	59.7	59.7	0.0	60.0	0.3	59.7	0.0	59.7	0.0
66	59.6	59.6	0.0	59.7	0.1	59.6	0.0	59.6	0.0
17	59.3	59.3	0.0	59.4	0.1	59.3	0.0	59.3	0.0
42	59.2	59.2	0.1	59.5	0.4	59.2	0.0	59.2	0.1
118	59.0	59.0	0.0	59.0	0.0	59.0	0.0	59.0	0.0
44	58.7	58.7	0.0	58.8	0.0	58.7	0.0	58.7	0.0
45	58.5	58.5	0.0	58.6	0.1	58.5	0.0	58.5	0.0
48	58.5	58.5	0.0	58.6	0.1	58.5	0.0	58.5	0.0
39	58.2	58.2	0.1	58.7	0.6	58.2	0.0	58.2	0.1
29	57.9	57.9	0.0	58.0	0.1	57.9	0.0	57.9	0.0
2	57.7	57.7	0.0	57.9	0.2	57.7	0.0	57.7	0.0
16	57.4	57.5	0.1	57.9	0.5	57.5	0.1	57.5	0.1
24	57.0	57.0	0.0	57.0	0.1	57.0	0.0	57.0	0.0
31	56.9	56.9	0.1	57.0	0.1	56.9	0.1	56.9	0.1
35	56.7	57.1	0.3	57.1	0.4	57.1	0.3	56.9	0.1
7	56.7	56.8	0.1	56.8	0.1	56.8	0.1	56.7	0.0
14	56.7	56.7	0.0	56.7	0.1	56.7	0.0	56.7	0.0
37	56.4	56.6	0.2	56.7	0.3	56.6	0.2	56.4	0.0
19	56.2	56.6	0.3	56.9	0.7	56.7	0.4	56.6	0.4
9	56.1	56.5	0.4	56.7	0.7	56.5	0.5	56.4	0.4
40	56.0	56.1	0.1	56.7	0.7	56.1	0.1	56.1	0.1
67	55.9	56.3	0.4	56.5	0.6	56.0	0.1	56.0	0.1
41	55.7	55.9	0.2	56.6	0.9	55.9	0.2	55.9	0.2
55	55.4	55.4	0.0	55.5	0.1	55.4	0.0	55.4	0.0
18	55.1	55.2	0.1	55.3	0.2	55.2	0.1	55.2	0.2
21	55.0	55.1	0.1	55.1	0.2	55.0	0.0	55.0	0.0
28	54.9	54.9	0.0	55.0	0.2	54.9	0.0	54.9	0.0
11	54.7	54.8	0.1	55.0	0.3	54.8	0.1	54.7	0.0
12	54.5	54.8	0.3	55.0	0.5	54.9	0.3	54.7	0.2
46	54.2	54.9	0.7	55.3	1.1	54.8	0.6	54.9	0.7
63	54.0	54.0	0.0	54.8	0.8	54.0	0.0	54.0	0.0
36	53.7	54.2	0.5	54.5	0.8	54.3	0.5	53.9	0.1
47	53.3	53.3	0.0	54.0	0.7	53.3	0.0	53.3	0.0
38	53.1	53.1	0.1	53.2	0.1	53.2	0.1	53.1	0.0
23	53.1	53.2	0.1	53.4	0.3	53.2	0.1	53.2	0.1
15	52.8	53.4	0.5	53.7	0.9	53.4	0.6	53.4	0.5
34	52.5	52.6	0.1	52.6	0.1	52.6	0.1	52.5	0.0
8	52.1	52.5	0.4	52.9	0.8	52.6	0.5	52.5	0.4
30	51.9	52.2	0.3	52.4	0.5	52.2	0.3	52.2	0.3
72	51.4	51.4	0.0	51.8	0.4	51.4	0.0	51.4	0.0
32	51.3	51.9	0.6	52.6	1.3	52.0	0.7	51.9	0.6
13	51.1	51.4	0.3	51.6	0.5	51.5	0.4	51.4	0.3
4	50.9	51.4	0.5	53.3	2.4	51.7	0.7	51.4	0.5
33	50.6	50.9	0.3	51.3	0.8	50.9	0.3	50.8	0.3
22	50.5	50.7	0.2	51.1	0.6	50.8	0.3	50.7	0.2
10	47.9	47.9	0.0	49.9	1.9	47.9	0.0	47.9	0.0
3	47.6	48.7	1.0	51.7	4.1	49.1	1.4	48.6	0.9
73	45.8	45.8	0.0	48.3	2.5	45.9	0.0	45.8	0.0
5	42.5	43.3	0.8	44.2	1.7	43.5	1.1	43.3	0.8
6	41.9	43.3	1.3	44.8	2.9	43.5	1.5	43.3	1.3

Citation # Citations

- | | | |
|----|--|--|
| 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. | FHWA 2004 TNM Version 2.5 |
| 4 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-11), Pg 5-47, 48. | FHWA 2004 TNM Version 2.5 |
| 5 | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-26), Pg 2-55, 56. | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-23), Pg 2-51, 52. |
| 6 | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-27), Pg 2-57. | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-24), Pg 2-53. |
| 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. | FHWA 2004 TNM Version 2.5 |
| 9 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-8), Pg 5-45. | FHWA 2004 TNM Version 2.5 |
| 10 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-9), Pg 5-45. | FHWA 2004 TNM Version 2.5 |
| 11 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-13), Pg 5-49. | FHWA 2004 TNM Version 2.5 |
| 12 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-14), Pg 5-49. | FHWA 2004 TNM Version 2.5 |
| 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 | |

References

California Department of Transportation (Caltrans). 2009 (November). Technical Noise Supplement. Available: http://www.dot.ca.gov/hq/env/noise/pub/tens_complete.pdf. Accessed August 17, 2017.

California Department of Transportation (Caltrans). 2013 (September). Technical Noise Supplement. Available: http://www.dot.ca.gov/hq/env/noise/pub/TeNS_Sept_2013A.pdf. Accessed August 17, 2017.

Federal Highway Administration. 2004. Traffic Noise Model Version 2.5. Available: https://www.fhwa.dot.gov/environment/noise/traffic_noise_model/tnm_v25/. Accessed August 17, 2017.

[illegible]

GP EX	2007		#	ROAD	LOCATION	ADT	CAP CLASS	adt base (no alt 1)	4/22	CUM NO ALT 1 ADT	22-Apr CUM BASE ADT ALT 1	4/23		4/23		4/23		4/23	
	AADT	aadt							adt alt 1			ALT 2 ALONE ADT	ALT 2 CUM TOTAL	ALT 3 ALONE ADT	ALT 3 CUM TOTAL	ALT 4 ALONE ADT	ALT 4 CUM TOTAL	ALT 5 ALONE ADT	ALT 5 CUM TOTAL
2007																			
770	25000	25000	16.616 A		I-505 to Co Road 13		2-free	13336	16966	12500	16130	136	16266	465	16595	130	16260	124	16254
1200	30500	30400	9.41 A		Co Road 13 to Sr 113 (East)		2-free	13231	16870	15200	18839	233	19072	668	19507	253	19092	230	19069
1280	45000	50000	5.530 A		SR 113 (east) to Co Road 102		2-free	30256	39236	25000	33980	284	34264	928	34908	315	34295	258	34238
1710	53000	61000	.520 A		Co Road 102 to Sacramento Co line	2605	2-free	41032	50722	30500	40190	248	40438	918	41108	286	40476	199	40389
810				I-5 southbound	Colusa Co line to I-505		2-free	18145	24352	18150	24357	213	24570	748	25105	214	24571	187	24544
670					I-505 to Co Road 13		2-free	13332	16961	12500	16129	135	16264	465	16594	131	16260	123	16252
1220					Co Road 13 to SR 113 (east)		2-free	13263	16894	15200	18831	231	19062	666	19497	252	19083	228	19059
1690					Sr 113 (east) to Co Road 102		2-free	29172	36665	25000	32493	286	32779	930	33423	316	32809	259	32752
2110					Co Road 102 to Sacramento Co Line		2-free	41714	51541	30500	40327	250	40577	920	41247	287	40614	200	40527
710	23000	24,500	000 A	I-505 Northbound	Solano Co Line to SR 128		2-free	12170	19815	12250	19895	674	20569	1649	21544	707	20602	508	20403
490	19000	18,800	10.623 B		SR 128 to Sr 16		2-free	8727	13532	9400	14205	485	14690	1347	15552	549	14754	421	14626
290	12600	12,300	10.623 A		SR 16 to Co Road 14		2-free	5496	8152	6150	8806	186	8992	614	9420	219	9025	163	8969
270	10800	11,500	17.447 A		Co Road 14 to I-5		2-free	5821	7399	5750	7328	78	7406	395	7723	83	7411	65	7393
560				I-505 Southbound	Solano Co line to SR 128		2-free	11478	19213	12250	19985	671	20656	1643	21628	704	20689	506	20491
460					Sr 128 to SR 16		2-free	8217	13315	9400	14498	483	14981	1342	15840	547	15045	418	14916
300					Sr 16 to Co Road 14		2-free	5272	8154	6150	9032	184	9216	613	9645	218	9250	162	9194
140					Co Road 14 to I-5		2-free	4812	7391	5750	8329	78	8407	395	8724	84	8413	65	8394
4320	126,000	133,600	.840 A	I-80 eastbound	Solano Co line to Mace Blvd		3-free	68778	80763	66800	78785	52	78837	289	79074	50	78835	45	78830
5540	140000	146,500	5.781 A		County Road 32A to US 50		3-free	83763	99172	73250	88659	61	88720	436	89095	56	88715	50	88709
4420				I-80 westbound	Solano CO line to mace Blvd		3-free	69013	79966	66800	77753	52	77805	290	78043	50	77803	45	77798
5110					County Road 32A to US 50		3-free	84762	100384	73250	88872	62	88934	436	89308	56	88928	50	88922
2270	33000	34,700	1.082 a	SR 113 Northbound	Solano Co line to Covell Blvd		3-free	18056	17826	17350	17120	159	17279	316	17436	154	17274	67	17187
1530	22000	23,900	9.228 B		Covell Blvd to Gibson Road		2-free	15727	18283	11950	14506	221	14727	539	15045	232	14738	108	14614
540	16000	20,600	10.218 B		Gibson Road to I-5		2-free	8151	12126	10300	14275	187	14462	450	14725	199	14474	77	14352
1280				SR 113 Southbound	Solano Co line to Covell Blvd		3-free	18664	19188	17350	17874	149	18023	316	18190	153	18027	67	17941
850					Covell Blvd to Gibson Road		2-free	15256	17344	11950	14038	220	14258	538	14576	231	14269	108	14146
420					Gibson Road to I-5		2-free	9882	14873	10300	15291	186	15477	449	15740	198	15489	77	15368
320	3700	3,650	12.330 A	SR 113	I-5 to Co Road 17		MAJOR	7844	8133	3,650	3939	30	3969	126	4065	30	3969	2	3941
90	3150	1950	14.089 A		Co Road 17 to Co Road 13		MAJOR	5399	5372	1,950	1923	0	1923	32	1955	0	1923	0	1923
150	2750	2,400	18.660 A		Co Road 13 to Co Road 102		MAJOR	5876	6833	2,400	3357	46	3403	76	3433	50	3407	12	3369
700	8600	9,450	21.20 A		Co Road 102 to SR 45		MAJOR	10019	11333	9,450	10764	25	10789	60	10824	28	10792	10	10774
160	1850	1,850	4.590 B	SR 128	Napa County line to Co Road 86		MINOR	2618	3150	1,850	2382	202	2584	245	2627	49	2431	44	2426
700	9200	10,800	8.770 B		Co Road 86 to Railroad Avenue		ART - 2	2649	3202	10,800	11353	202	11555	245	11598	49	11402	44	11397
930	11200	14,000	9.835 B		Railroad Avenue to I-505		MAJOR	8562	17294	14,000	22732	202	22934	245	22977	49	22781	44	22776
		1,600	18.132 A	SR 16	Arbuckel Road to Co Road 78		MINOR	2598	2871	1,600	1873	650	2523	1857	3730	729	2602	634	2507
		4,000	19.200 A		Co Road 78 to Co Road 85B		MAJOR	5560	6049	4,000	4489	650	5139	1857	6346	729	5218	634	5123
480	12000	8,000	19.427 B		Co Road 85B to Co Road 87		MAJOR	5406	5530	8,000	8124	674	8798	1851	9975	759	8883	650	8774
710	1000	7,500	27.96 B		Co Road 87 to Co Road 21A		MAJOR	7586	10208	7,500	10122	1095	11217	2329	12451	1202	11324	650	10772
840	11600	10,700	28.266 A		Co Road 21A to Madison		MAJOR	9390	12126	10,700	13436	1111	14547	2358	15794	1222	14658	666	14102
840	14400	11,200	32.226 B		Madison to I-505		MAJOR	10214	13735	11,200	14721	979	15700	2224	16945	1083	15804	659	15380
970	7800	7800	36.71 B		I-505 to Co Road 94B		MAJOR	8574	15055	7,800	14281	511	14792	1088	15369	567	14848	312	14593
1000	9900	7800	36.71 A		Co Road 94B to Co Road 98		MAJOR	7696	11296	7,800	11400	517	11917	1098	12498	577	11977	315	11715
		6600	41.303 B		Main Street to I-5		0 ART - 2	7037	9845	6,600	9408	286	9694	1006	10414	310	9718	242	9650
70	860	1100	0.000 A	SR 45	SR 113 to Co Road 98A		0 MINOR	446	535	1,100	1189	0	1189	0	1189		1189		1189
160	1500	1400	9.530 B	SR 84	Clarksburg Road to Gregory Avenue		MAJOR	2107	3116	1,400	2409	0	2409	304	2713	4	2413	0	2409

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
1	Chiles Rd / Co Road 32B	Mace Blvd to Webster Street	6123	6123	6219	6123	6123
2	Clarksburg Road	SR 84 to So River Road	3367	3367	3537	3369	3367
3	Co Road 6	Co Rd 86 to Dunnigan limit	334	423	855	464	415
4	Co Road 6	Dunningan limit to I-5	713	802	1234	843	794
5	Co Road 12A	County Road 85 to SR 505	102	124	150	130	124
6	Co Road 12A/92/12	I 505 to Co road 99W	90	122	174	128	122
7	Co Road 13	I-5 to Sr 113	2698	2744	2754	2748	2710
8	Co Road 14	Co Road 85 to I 505	939	1031	1126	1052	1026
9	Co Road 14	I 505 to I-5	2323	2544	2725	2596	2528
10	Co Road 16A	I-5 to SR 113	359	359	560	359	359
11	Co Road 17	Sr 113 to Co Road 102	1696	1726	1812	1726	1698
12	Co Road 19	Co Road 87 to I 505	1634	1732	1813	1766	1694
13	Co Road 19	I 505 to Co Road 94B	741	791	831	804	787
14	Co Road 21A		0 2690	2710	2722	2710	2710
15	Co Road 23	Co Road 85B to Co Road 89	1103	1249	1351	1259	1249
16	Co Road 24	Co Road 90 to Co Road 95	3165	3244	3555	3259	3244
17	Co Road 24	Co Road 95 to Co Road 98	4896	4939	5049	4946	4939
18	Co Road 27	I 505 to Co Road 95	1856	1916	1946	1921	1922
19	Co Road 27	CO Road 95 to CO Road 98	2428	2624	2824	2674	2646
20	Co Road 27	Co Road 98 to SR 113	7042	7194	7417	7234	7212
21	Co Road 28H	Co Road 102 to Co Road 105	1803	1843	1881	1823	1823
22	Co Road 29A/92E/29	I-505 to Co Road 95	646	676	742	686	680
23	Co Road 29	Co Road 95 to Co Road 98	1168	1198	1264	1208	1202
24	Co Road 29	Co Road 98 to SR 113	2868	2870	2914	2870	2870
25	Co Road 29	SR 113 to Co Road 102	6962	6994	7066	6987	6984
26	Co Road 31	Co Road 93A to Co9 Road 95	5849	5883	5943	5868	5867
27	Co Road 31	Co Road 95 to County Road 98	8075	8115	8187	8101	8099
28	Co Road 32A	mace Blvd to Co Road 105	1770	1770	1836	1770	1770
29	Co Road 32A	Co Road 105 to Webster Street	3547	3567	3663	3557	3557
30	County Road 85B	Co Road 23 to County Road 21A	892	956	1007	962	958
31	County Road 85B	CountyRoad 21A to SR 16	2790	2836	2875	2840	2837
32	County Road 85	Sr 16 to Co Road 12	781	897	1046	917	887
33	Co Road 85/8/86	Co Road 12 to County Road 6	656	704	783	710	698
34	Co Road 87	SR 16 to Co Road 14	1027	1043	1045	1043	1027
35	Co Road 89	Co Road 29A to Co Road 27	2713	2924	2967	2933	2808
36	Co Road 89	Co Road 27 to Co Road 24A	1365	1530	1629	1539	1407
37	Co Road 89	Co Road 24A to SR 16	2519	2651	2689	2657	2527
38	Co Road 94B	Sr 16 to Co Road 19	1175	1189	1201	1195	1187
39	County Road 98	Solano County line to County Road	3765	3811	4300	3805	3811
40	County Road 98	Co Road 31 to to County Road 29	2299	2351	2717	2339	2347
41	County Road 98	Co Road 29 to County Road 27	2147	2232	2625	2231	2231
42	County Road 98	Co Road 27 to County Road 24	4753	4817	5163	4805	4813
43	County Road 98	Co Road 24 to SR 16	11338	11670	12369	11710	11601
44	County Road 99	Co Road 31 to Co Road 27	4307	4307	4347	4307	4307
45	County Road 99	Co Road 27 to Gibson Road	4090	4118	4202	4124	4120
46	Co Road 99W	Co Road 8 to Co Road 6	1526	1799	1958	1756	1799
47	Co Road 99W	Co Road 6 to Co Road 2	1239	1239	1462	1239	1239
48	Co Road 101A	Covell Blvd to Co Road 29	4068	4080	4160	4082	4080
49	Co Road 102	Covell Blvd to Co Road 29	12370	12472	12722	12469	12388
50	Co Road 102	Co Road 29 to Co Road 27	11552	11650	11937	11648	11568
51	Co Road 102	County Road 27 to Gibson Road	12098	12196	12404	12194	12114
52	Co Road 102	Gibson Road to I-5	22917	23149	23472	23170	22983
53	Co Road 102	I-5 to County Road 17	6810	7157	7477	7174	6838

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
54	Co Road 102	Co Road 17 to Sr 113	8871	9246	9186	9266	8901
55	Co Road 105	Co Road 32A to Co Road 28H	1986	2006	2036	1996	1996
56	Covell Blvd	County Road 98 to Sr 113	8853	8887	9063	8879	8876
57	Covell Blvd	SR 113 to Co Road 102	24747	25039	25653	25078	24987
58	Covell Blvd	Co Road 102 to mace Blvd	19819	19819	20167	19821	19819
59	East Street	Gibson Road to I-5	11037	11186	11560	11212	11129
60	Gibson Road	Co Road 98 to Sr 113	9485	9785	10287	9803	9623
61	Harbor Blvd	US 50 to Reed Avenue	29324	29324	29488	29328	29324
62	Jefferson Blvd	Gregory Avenue to US 50	30334	30334	30562	30337	30334
63	mace Blvd	Co Road 35 to County Road 32D	1455	1455	1753	1455	1455
64	mace Blvd	Co Road 32D to I-80	7317	7317	7599	7319	7317
65	Main Street	Co Road 98 to SR 113	14090	14266	14561	14297	14190
66	Old River Road	Co Road 127 to Co Road 118	5248	5248	5412	5252	5248
67	Railroad Avenue	SR 128 to Winters limits	2236	2438	2579	2285	2280
68	Reed Avenue	I-80 to Jefferson Blvd	29519	29519	29583	29521	29519
69	Russell Blvd	I-505 to Co Road 31	8931	8999	9109	8981	8975
70	Russell Blvd	Co Road 98 to SR 113	9179	9181	9235	9181	9181
71	So River Road	Clarksburg Road to Freeport Bridge	5391	5391	5731	5396	5391
72	So River Road	Freeport Bridge to Burrows Ave	803	803	879	804	803
73	Willow Point Road	SR 84 to So River Road	221	221	391	223	221
74	I-5 Northbound	Colusa Co Line to I-505	24357	24572	25106	24571	24546
75	I-5 Northbound	I-505 to Co Road 13	16130	16266	16595	16260	16254
76	I-5 Northbound	Co Road 13 to Sr 113 (East)	18839	19072	19507	19092	19069
77	I-5 Northbound	SR 113 (east) to Co Road 102	33980	34264	34908	34295	34238
78	I-5 Northbound	Co Road 102 to Sacramento Co line	40190	40438	41108	40476	40389
79	I-5 southbound	Colusa Co line to I-505	24357	24570	25105	24571	24544
80	I-5 southbound	I-505 to Co Road 13	16129	16264	16594	16260	16252
81	I-5 southbound	Co Road 13 to SR 113 (east)	18831	19062	19497	19083	19059
82	I-5 southbound	Sr 113 (east) to Co Road 102	32493	32779	33423	32809	32752
83	I-5 southbound	Co Road 102 to Sacramento Co Line	40327	40577	41247	40614	40527
84	I-505 Northbound	Solano Co Line to SR 128	19895	20569	21544	20602	20403
85	I-505 Northbound	SR 128 to Sr 16	14205	14690	15552	14754	14626
86	I-505 Northbound	SR 16 to Co Road 14	8806	8992	9420	9025	8969
87	I-505 Northbound	Co Road 14 to I-5	7328	7406	7723	7411	7393
88	I-505 Southbound	Solano Co line to SR 128	19985	20656	21628	20689	20491
89	I-505 Southbound	Sr 128 to SR 16	14498	14981	15840	15045	14916
90	I-505 Southbound	Sr 16 to Co Road 14	9032	9216	9645	9250	9194
91	I-505 Southbound	Co Road 14 to I-5	8329	8407	8724	8413	8394
92	I-80 eastbound	Solano Co line to Mace Blvd	78785	78837	79074	78835	78830
93	I-80 eastbound	County Road 32A to US 50	88659	88720	89095	88715	88709
94	I-80 westbound	Solano CO line to mace Blvd	77753	77805	78043	77803	77798
95	I-80 westbound	County Road 32A to US 50	88872	88934	89308	88928	88922
96	SR 113 Northbound	Solano Co line to Covell Blvd	17120	17279	17436	17274	17187
97	SR 113 Northbound	Covell Blvd to Gibson Road	14506	14727	15045	14738	14614
98	SR 113 Northbound	Gibson Road to I-5	14275	14462	14725	14474	14352
99	SR 113 Southbound	Solano Co line to Covell Blvd	17874	18023	18190	18027	17941
100	SR 113 Southbound	Covell Blvd to Gibson Road	14038	14258	14576	14269	14146
101	SR 113 Southbound	Gibson Road to I-5	15291	15477	15740	15489	15368
102	SR 113	I-5 to Co Road 17	3939	3969	4065	3969	3941
103	SR 113	Co Road 17 to Co Road 13	1923	1923	1955	1923	1923
104	SR 113	Co Road 13 to Co Road 102	3357	3403	3433	3407	3369
105	SR 113	Co Road 102 to SR 45	10764	10789	10824	10792	10774
106	SR 128	Napa County line to Co Road 86	2382	2584	2627	2431	2426

ID	ROAD	LOCATION	EXISTING	ALT 2	ALT 3	ALT 4	ALT 5
107	SR 128	Co Road 86 to Railroad Avenue	11353	11555	11598	11402	11397
108	SR 128	Railroad Avenue to I-505	22732	22934	22977	22781	22776
109	SR 16	Arbuckel Road to Co Road 78	1873	2523	3730	2602	2507
110	SR 16	Co Road 78 to Co Road 85B	4489	5139	6346	5218	5123
111	SR 16	Co Road 85B to Co Road 87	8124	8798	9975	8883	8774
112	SR 16	Co Road 87 to Co Road 21A	10122	11217	12451	11324	10772
113	SR 16	Co Road 21A to Madison	13436	14547	15794	14658	14102
114	SR 16	Madison to I-505	14721	15700	16945	15804	15380
115	SR 16	I-505 to Co Road 94B	14281	14792	15369	14848	14593
116	SR 16	Co Road 94B to Co Road 98	11400	11917	12498	11977	11715
117	SR 16	Main Street to I-5	9408	9694	10414	9718	9650
118	SR 45	SR 113 to Co Road 98A	1189	1189	1189	1189	1189
119	SR 84	Clarksburg Road to Gregory Aven	2409	2409	2713	2413	2409

Caltrans 2016 AADT Truck Data by Segmnet

			<u>Truck ADT by Axle</u>				<u>TOTAL</u>
			2 axle	3 axle	4 axle	5+ axle	
SR 16	32.226	JCT. RTE. 505	229	93	50	429	801
SR 113	R9.228	GIBSON RD	700	265	46	1402	2413

Noise Model Vehicle Clas Percent Input Calc

		Meadium Truck	Heavy Truck
SR 16	ADT	229	572
	percent	0.3	0.7
SR 113	ADT	700	1713
	percent	0.3	0.7