

# Appendix E

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Noise Technical Information

## Montclair General Plan Roadway Noise Comparison Summary

Roadway Segment	ADT	CNEL	ADT	CNEL	Cumulative		Threshold Exceed	Threshold
					Increase	Threshold		
Arrow Highway from Western City Limits to Monte Vista Ave	25,790	70.5	29,890	71.2	0.6	3	No	
Arrow Highway from Monte Vista Ave to Central	25,440	70.5	27,450	70.8	0.3	3	No	
Arrow Highway from Central Ave to Benson	18,680	69.8	21,530	70.4	0.6	3	No	
Moreno Street from Mills Avenue to Monte Vidta	8,530	68.8	7,130	68.0	-0.8	3	No	
Moreno Street from Monte Vista to Central Ave	16,840	70.6	18,900	71.1	0.5	3	No	
Moreno Street from Central Avenue to Benson	16,230	67.1	13,810	66.4	-0.7	3	No	
San Bernardino Street from Mills Avenue to Monte Vista Ave	11,830	67.2	10,040	66.5	-0.7	3	No	
San Bernardino Street from Monte Vista Ave to Central Ave	17,840	68.2	16,340	67.8	-0.4	3	No	
San Bernardino Street from Central Avenue to Benson	15,870	68.5	12,630	67.5	-1.0	3	No	
Orchard St from Mills Avenue to Ramona	6,740	64.7	7,380	65.1	0.4	3	No	
Orchard St from Ramona Aven to Monte Vista Ave	7,250	65.1	8,000	65.5	0.4	3	No	
Orchard St from Monte Vista to Central Ave	7,660	65.3	8,820	65.9	0.6	3	No	
Orchard St from Central to Benson	6,390	64.5	8,110	65.5	1.0	3	No	
Holt Boulevard from Mills Avenue to Ramona	30,360	71.2	31,530	71.3	0.2	3	No	
Holt Boulevard from Ramona Aven to Monte Vista Ave	31,650	70.7	33,670	70.9	0.3	3	No	
Holt Boulevard from Monte Vista to Central Ave	36,470	71.3	38,890	71.6	0.3	3	No	
Holt Boulevard from Central Avenue to Benson	29,980	70.4	33,650	70.9	0.5	3	No	
Phillips Boulevard from Ramona Aven to Monte Vista Ave	10,710	68.2	10,580	68.1	-0.1	3	No	
Phillips Boulevard from Monte Vista to Benson	11,210	67.4	10,430	67.1	-0.3	3	No	
Mission Boulevard from Western City Limits to Ramona	34,210	68.4	32,610	68.1	-0.2	3	No	
Mission Boulevard from Ramona Aven to Monte Vista Ave	35,240	68.9	32,100	68.5	-0.4	3	No	
Mission Boulevard from Monte Vista to Central	33,810	69.2	32,790	69.1	-0.1	3	No	
Mission Boulevard from Central Ave to Benson	31,400	68.4	28,200	68.0	-0.5	3	No	
Mills Avenue from Moreno St to San Bernardino St	15,960	71.5	10,130	69.6	-2.0	3	No	
Mills Avenue from San Bernardino to Orchard	13,340	66.9	7,530	64.5	-2.5	3	No	
Mills Avenue from Orchard St to Holt Blvd	11,890	65.8	7,520	63.8	-2.0	3	No	
Ramona Avenue from San Bernardino to Orchard	7,110	66.8	7,810	67.3	0.4	3	No	
Ramona Avenue from Orchard St to Holt Blvd	8,990	67.9	9,190	68.0	0.1	3	No	
Ramona Avenue from Holt Blvd to Southern City Limits	19,820	71.3	20,100	71.4	0.1	3	No	
Monte Vista Avenue from Northern City Limits to Moreno St	28,770	69.6	35,380	70.5	0.9	3	No	
Monte Vista Avenue from Moreno St to I-10	38,300	70.8	40,410	71.1	0.2	3	No	
Monte Vista Avenue from I-10 to San Bernardino	32,140	71.5	32,930	71.6	0.1	3	No	
Monte Vista Avenue from San Bernardino to Orchard	21,800	69.8	19,770	69.4	-0.4	3	No	
Monte Vista Avenue from Orchard to Holt	15,870	68.5	13,570	67.8	-0.7	3	No	
Monte Vista Avenue from Holt to Southern City Limits	10,110	66.5	7,360	65.1	-1.4	3	No	
Central Avenue from Northern City Limits to Moreno St	33,140	69.6	29,130	69.0	-0.6	3	No	
Central Avenue from Moreno St to I-10	42,620	71.3	57,140	72.6	1.3	3	No	
Central Avenue from I-10 to San Bernardino	41,850	71.2	49,460	71.9	0.7	3	No	
Central Avenue from San Bernardino to Orchard	40,240	71.0	45,020	71.5	0.5	3	No	
Central Avenue from Orchard to Holt	37,010	69.5	41,360	70.0	0.5	3	No	
Central Avenue from Holt to Phillips	50,360	72.0	48,100	71.8	-0.2	3	No	
Benson Avenue from Northern City Limits to Moreno St	21,070	69.7	18,880	69.2	-0.5	3	No	
Benson Avenue from Moreno to San Bernardino	15,120	68.3	14,250	68.0	-0.3	3	No	
Benson Avenue from San Bernardino to Orchard	12,520	67.4	11,230	67.0	-0.5	3	No	
Benson Avenue from Orchard to Holt	10,760	66.8	9,810	66.4	-0.4	3	No	
Benson Avenue from Mission to Phillips	7,000	64.9	9,820	66.4	1.5	3	No	

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	Cumulative	2 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Arrow Highway	Western City Limits	Monte Vista Ave	25,790	50	50	94			3	3	80	5	15	
2	Arrow Highway	Monte Vista Ave	Central	25,440	50	50	94			3	3	80	5	15	
3	Arrow Highway	Central Ave	Benson	18,680	50	45	94			3	3	80	5	15	
4	Moreno Street	Mills Avenue	Monte Vidta	8,530	40	25	94			3	3	80	5	15	
5	Moreno Street	Monte Vista	Central Ave	16,840	40	30	94			3	3	80	5	15	
6	Moreno Street	Central Avenue	Benson	16,230	40	50	94			3	3	80	5	15	
7	San Bernardino Street	Mills Avenue	Monte Vista Ave	11,830	40	40	94			3	3	80	5	15	
8	San Bernardino Street	Monte Vista Ave	Central Ave	17,840	40	45	94			3	3	80	5	15	
9	San Bernardino Street	Central Avenue	Benson	15,870	40	40	94			3	3	80	5	15	
0	0	0	0	0	0	0				3	3		5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	Cumulative
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Arrow Highway	Western City Limits	Monte Vista Ave	68.7	0.0	0.0	60.1	64.6	70.5
2	Arrow Highway	Monte Vista Ave	Central	68.6	0.0	0.0	60.0	64.5	70.5
3	Arrow Highway	Central Ave	Benson	68.0	0.0	0.0	59.4	63.9	69.8
4	Moreno Street	Mills Avenue	Monte Vidta	66.7	0.0	0.0	58.7	63.5	68.8
5	Moreno Street	Monte Vista	Central Ave	68.4	0.0	0.0	60.4	65.3	70.6
6	Moreno Street	Central Avenue	Benson	65.0	0.0	0.0	57.0	61.8	67.1
7	San Bernardino Street	Mills Avenue	Monte Vista Ave	65.0	0.0	0.0	57.0	61.9	67.2
8	San Bernardino Street	Monte Vista Ave	Central Ave	66.1	0.0	0.0	58.0	62.9	68.2
9	San Bernardino Street	Central Avenue	Benson	66.3	0.0	0.0	58.3	63.1	68.5

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
54	117	252	543	1,170
54	116	250	538	1,159
44	94	203	438	944
21	45	97	209	450
33	71	153	329	708
32	69	149	321	691
26	56	121	260	560
34	74	159	342	736
32	68	147	316	681

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	Cumulative	2 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Orchard St	Mills Avenue	Ramona	6,740	40	40	94			3	3	80	5	15	
2	Orchard St	Ramona Aven	Monte Vista Ave	7,250	40	40	94			3	3	80	5	15	
3	Orchard St	Monte Vista	Central Ave	7,660	40	40	94			3	3	80	5	15	
4	Orchard St	Central	Benson	6,390	40	40	94			3	3	80	5	15	
5	Holt Boulevard	Mills Avenue	Ramona	30,360	45	45	94			3	3	80	5	15	
6	Holt Boulevard	Ramona Aven	Monte Vista Ave	31,650	45	50	94			3	3	80	5	15	
7	Holt Boulevard	Monte Vista	Central Ave	36,470	45	50	94			3	3	80	5	15	
8	Holt Boulevard	Central Avenue	Benson	29,980	45	50	94			3	3	80	5	15	
9	Phillips Boulevard	Ramona Aven	Monte Vista Ave	10,710	35	30	94			3	3	80	5	15	
10	Phillips Boulevard	Monte Vista	Benson	11,210	35	35	94			3	3	80	5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	Cumulative
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Orchard St	Mills Avenue	Ramona	62.6	0.0	0.0	54.6	59.4	64.7
2	Orchard St	Ramona Aven	Monte Vista Ave	62.9	0.0	0.0	54.9	59.7	65.1
3	Orchard St	Monte Vista	Central Ave	63.2	0.0	0.0	55.1	60.0	65.3
4	Orchard St	Central	Benson	62.4	0.0	0.0	54.4	59.2	64.5
5	Holt Boulevard	Mills Avenue	Ramona	69.2	0.0	0.0	60.9	65.5	71.2
6	Holt Boulevard	Ramona Aven	Monte Vista Ave	68.7	0.0	0.0	60.4	65.0	70.7
7	Holt Boulevard	Monte Vista	Central Ave	69.3	0.0	0.0	61.0	65.6	71.3
8	Holt Boulevard	Central Avenue	Benson	68.4	0.0	0.0	60.1	64.8	70.4
9	Phillips Boulevard	Ramona Aven	Monte Vista Ave	65.9	0.0	0.0	58.1	63.1	68.2
10	Phillips Boulevard	Monte Vista	Benson	65.1	0.0	0.0	57.3	62.3	67.4

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
18	38	83	178	385
19	40	87	187	404
19	42	90	194	419
17	37	80	172	371
54	116	250	538	1,159
55	119	257	553	1,191
61	131	282	608	1,309
53	115	248	533	1,149
23	49	105	227	489
23	50	109	234	504

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

<b>Project Name :</b>	Montclair General Plan		
<b>Project Number :</b>	17-04869		
<b>Modeling Condition :</b>	Cumulative	3 of 5	
<b>Ground Type :</b>	Soft		
<b>Metric (L<sub>eq</sub>, L<sub>dnr</sub>, CNEL) :</b>	Ldn	<b>Peak ratio to ADT:</b>	
		<b>Traffic Desc. (Peak or ADT) :</b>	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Mission Boulevard	Western City Limits	Ramona	34,210	45	75	94			3	3	80	5	15	
2	Mission Boulevard	Ramona Aven	Monte Vista Ave	35,240	45	70	94			3	3	80	5	15	
3	Mission Boulevard	Monte Vista	Central	33,810	45	65	94			3	3	80	5	15	
4	Mission Boulevard	Central Ave	Benson	31,400	45	70	94			3	3	80	5	15	
5	Mills Avenue	Moreno St	San Bernardino St	15,960	40	25	94			3	3	80	5	15	
6	Mills Avenue	San Bernardino	Orchard	13,340	40	45	94			3	3	80	5	15	
7	Mills Avenue	Orchard St	Holt Blvd	11,890	40	50	94			3	3	80	5	15	
8	Ramona Avenue	San Bernardino	Orchard	7,110	40	30	94			3	3	80	5	15	
9	Ramona Avenue	Orchard St	Holt Blvd	8,990	40	30	94			3	3	80	5	15	
10	Ramona Avenue	Holt Blvd	Southern City Limits	19,820	40	30	94			3	3	80	5	15	

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### Model Results

<b>Project Number :</b>	Montclair General Plan
<b>Modeling Condition :</b>	17-04869
<b>Ground Type :</b>	Cumulative
<b>Metric (Leq, Ldn, CNEL) :</b>	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Mission Boulevard	Western City Limits	Ramona	66.4	0.0	0.0	58.1	62.7	68.4
2	Mission Boulevard	Ramona Aven	Monte Vista Ave	66.9	0.0	0.0	58.7	63.3	68.9
3	Mission Boulevard	Monte Vista	Central	67.2	0.0	0.0	59.0	63.6	69.2
4	Mission Boulevard	Central Ave	Benson	66.4	0.0	0.0	58.2	62.8	68.4
5	Mills Avenue	Moreno St	San Bernardino St	69.4	0.0	0.0	61.4	66.2	71.5
6	Mills Avenue	San Bernardino	Orchard	64.8	0.0	0.0	56.8	61.6	66.9
7	Mills Avenue	Orchard St	Holt Blvd	63.6	0.0	0.0	55.6	60.4	65.8
8	Ramona Avenue	San Bernardino	Orchard	64.7	0.0	0.0	56.7	61.5	66.8
9	Ramona Avenue	Orchard St	Holt Blvd	65.7	0.0	0.0	57.7	62.5	67.9
10	Ramona Avenue	Holt Blvd	Southern City Limits	69.2	0.0	0.0	61.1	66.0	71.3

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
58	125	270	582	1,255
59	128	276	594	1,280
58	124	268	578	1,245
55	119	255	550	1,185
32	68	147	317	683
28	61	131	281	606
26	56	121	261	561
18	40	86	185	398
22	47	100	216	466
37	79	170	366	789

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	Cumulative	4 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Monte Vista Avenue	Northern City Limits	Moreno St	28,770	40	50	94			3	3	80	5	15	
2	Monte Vista Avenue	Moreno St	I-10	38,300	40	50	94			3	3	80	5	15	
3	Monte Vista Avenue	I-10	San Bernardino	32,140	40	40	94			3	3	80	5	15	
4	Monte Vista Avenue	San Bernardino	Orchard	21,800	40	40	94			3	3	80	5	15	
5	Monte Vista Avenue	Orchard	Holt	15,870	40	40	94			3	3	80	5	15	
6	Monte Vista Avenue	Holt	Southern City Limits	10,110	40	40	94			3	3	80	5	15	
7	Central Avenue	Northern City Limits	Moreno St	33,140	40	55	94			3	3	80	5	15	
8	Central Avenue	Moreno St	I-10	42,620	40	50	94			3	3	80	5	15	
9	Central Avenue	I-10	San Bernardino	41,850	40	50	94			3	3	80	5	15	
10	Central Avenue	San Bernardino	Orchard	40,240	40	50	94			3	3	80	5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	Cumulative
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Monte Vista Avenue	Northern City Limits	Moreno St	67.4	0.0	0.0	59.4	64.3	69.6
2	Monte Vista Avenue	Moreno St	I-10	68.7	0.0	0.0	60.7	65.5	70.8
3	Monte Vista Avenue	I-10	San Bernardino	69.4	0.0	0.0	61.4	66.2	71.5
4	Monte Vista Avenue	San Bernardino	Orchard	67.7	0.0	0.0	59.7	64.5	69.8
5	Monte Vista Avenue	Orchard	Holt	66.3	0.0	0.0	58.3	63.1	68.5
6	Monte Vista Avenue	Holt	Southern City Limits	64.4	0.0	0.0	56.3	61.2	66.5
7	Central Avenue	Northern City Limits	Moreno St	67.4	0.0	0.0	59.4	64.3	69.6
8	Central Avenue	Moreno St	I-10	69.2	0.0	0.0	61.1	66.0	71.3
9	Central Avenue	I-10	San Bernardino	69.1	0.0	0.0	61.1	65.9	71.2
10	Central Avenue	San Bernardino	Orchard	68.9	0.0	0.0	60.9	65.7	71.0

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
47	101	218	470	1,012
57	122	264	568	1,224
51	109	235	506	1,089
39	84	181	390	841
32	68	147	316	681
23	50	109	234	504
52	111	240	516	1,112
61	131	283	610	1,315
60	130	280	603	1,299
59	127	273	587	1,265

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	Cumulative	5 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Central Avenue	Orchard	Holt	37,010	40	60	94			3	3	80	5	15	
2	Central Avenue	Holt	Phillips	50,360	40	50	94			3	3	80	5	15	
3	Benson Avenue	Northern City Limits	Moreno St	21,070	40	40	94			3	3	80	5	15	
4	Benson Avenue	Moreno	San Bernardino	15,120	40	40	94			3	3	80	5	15	
5	Benson Avenue	San Bernardino	Orchard	12,520	40	40	94			3	3	80	5	15	
6	Benson Avenue	Orchard	Holt	10,760	40	40	94			3	3	80	5	15	
7	Benson Avenue	Mission	Phillips	7,000	40	40	94			3	3	80	5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	Cumulative
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Central Avenue	Orchard	Holt	67.4	0.0	0.0	59.3	64.2	69.5
2	Central Avenue	Holt	Phillips	69.9	0.0	0.0	61.9	66.7	72.0
3	Benson Avenue	Northern City Limits	Moreno St	67.5	0.0	0.0	59.5	64.4	69.7
4	Benson Avenue	Moreno	San Bernardino	66.1	0.0	0.0	58.1	62.9	68.3
5	Benson Avenue	San Bernardino	Orchard	65.3	0.0	0.0	57.3	62.1	67.4
6	Benson Avenue	Orchard	Holt	64.6	0.0	0.0	56.6	61.4	66.8
7	Benson Avenue	Mission	Phillips	62.8	0.0	0.0	54.8	59.6	64.9

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
56	120	258	556	1,197
68	147	317	682	1,470
38	82	177	382	822
31	66	142	306	659
27	58	125	270	581
24	53	113	244	525
18	39	85	183	394

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

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### Model Input

Project Name :	Montclair General Plan	Peak ratio to ADT:	
Project Number :	17-04869	Traffic Desc. (Peak or ADT) :	ADT
Modeling Condition :	Cumulative Plus Project (C+P) 1 of 5		
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn		

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Arrow Highway	Western City Limits	Monte Vista Ave	29,890	50	50	94			3	3	80	5	15	
2	Arrow Highway	Monte Vista Ave	Central	27,450	50	50	94			3	3	80	5	15	
3	Arrow Highway	Central Ave	Benson	21,530	50	45	94			3	3	80	5	15	
4	Moreno Street	Mills Avenue	Monte Vidta	7,130	40	25	94			3	3	80	5	15	
5	Moreno Street	Monte Vista	Central Ave	18,900	40	30	94			3	3	80	5	15	
6	Moreno Street	Central Avenue	Benson	13,810	40	50	94			3	3	80	5	15	
7	San Bernardino Street	Mills Avenue	Monte Vista Ave	10,040	40	40	94			3	3	80	5	15	
8	San Bernardino Street	Monte Vista Ave	Central Ave	16,340	40	45	94			3	3	80	5	15	
9	San Bernardino Street	Central Avenue	Benson	12,630	40	40	94			3	3	80	5	15	
					0	0				3	3		5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	Cumulative Plus Project (C+P) 1 of 5
Metric (Leq, Ldn, CNEL) :	Ldn

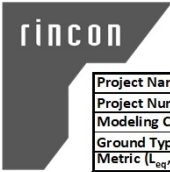
Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Arrow Highway	Western City Limits	Monte Vista Ave	69.3	0.0	0.0	60.7	65.2	71.2
2	Arrow Highway	Monte Vista Ave	Central	69.0	0.0	0.0	60.4	64.9	70.8
3	Arrow Highway	Central Ave	Benson	68.6	0.0	0.0	60.0	64.5	70.4
4	Moreno Street	Mills Avenue	Monte Vidta	65.9	0.0	0.0	57.9	62.7	68.0
5	Moreno Street	Monte Vista	Central Ave	69.0	0.0	0.0	60.9	65.8	71.1
6	Moreno Street	Central Avenue	Benson	64.3	0.0	0.0	56.3	61.1	66.4
7	San Bernardino Street	Mills Avenue	Monte Vista Ave	64.3	0.0	0.0	56.3	61.1	66.5
8	San Bernardino Street	Monte Vista Ave	Central Ave	65.7	0.0	0.0	57.7	62.5	67.8
9	San Bernardino Street	Central Avenue	Benson	65.3	0.0	0.0	57.3	62.1	67.5

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
60	129	278	599	1,291
57	122	263	566	1,220
48	104	223	481	1,037
19	40	86	185	399
35	76	165	355	765
29	62	134	288	620
23	50	108	233	502
32	69	150	322	694
27	58	126	271	584



# Appendix \_\_\_\_

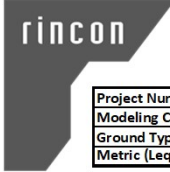
## Rincon FHWA Traffic Noise Model



### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	C + P	2 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Orchard St	Mills Avenue	Ramona	7,380	40	40	94			3	3	80	5	15	
2	Orchard St	Ramona Aven	Monte Vista Ave	8,000	40	40	94			3	3	80	5	15	
3	Orchard St	Monte Vista	Central Ave	8,820	40	40	94			3	3	80	5	15	
4	Orchard St	Central	Benson	8,110	40	40	94			3	3	80	5	15	
5	Holt Boulevard	Mills Avenue	Ramona	31,530	45	45	94			3	3	80	5	15	
6	Holt Boulevard	Ramona Aven	Monte Vista Ave	33,670	45	50	94			3	3	80	5	15	
7	Holt Boulevard	Monte Vista	Central Ave	38,890	45	50	94			3	3	80	5	15	
8	Holt Boulevard	Central Avenue	Benson	33,650	45	50	94			3	3	80	5	15	
9	Phillips Boulevard	Ramona Aven	Monte Vista Ave	10,580	35	30	94			3	3	80	5	15	
10	Phillips Boulevard	Monte Vista	Benson	10,430	35	35	94			3	3	80	5	15	



### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	C + P
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Orchard St	Mills Avenue	Ramona	63.0	0.0	0.0	55.0	59.8	65.1
2	Orchard St	Ramona Aven	Monte Vista Ave	63.3	0.0	0.0	55.3	60.2	65.5
3	Orchard St	Monte Vista	Central Ave	63.8	0.0	0.0	55.8	60.6	65.9
4	Orchard St	Central	Benson	63.4	0.0	0.0	55.4	60.2	65.5
5	Holt Boulevard	Mills Avenue	Ramona	69.3	0.0	0.0	61.1	65.7	71.3
6	Holt Boulevard	Ramona Aven	Monte Vista Ave	68.9	0.0	0.0	60.7	65.3	70.9
7	Holt Boulevard	Monte Vista	Central Ave	69.6	0.0	0.0	61.3	65.9	71.6
8	Holt Boulevard	Central Avenue	Benson	68.9	0.0	0.0	60.7	65.3	70.9
9	Phillips Boulevard	Ramona Aven	Monte Vista Ave	65.8	0.0	0.0	58.0	63.1	68.1
10	Phillips Boulevard	Monte Vista	Benson	64.8	0.0	0.0	57.0	62.0	67.1

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
19	41	88	190	408
20	43	93	200	431
21	46	99	214	460
20	44	94	202	435
55	119	256	552	1,188
58	124	267	576	1,242
63	137	294	634	1,367
58	124	267	576	1,241
22	48	104	225	485
22	48	103	223	480

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

**rincon**

### Model Input

Project Name :	Montclair General Plan			Peak ratio to ADT:	
Project Number :	17-04869			Traffic Desc. (Peak or ADT) :	ADT
Modeling Condition :	C + P	3 of 5			
Ground Type :	Soft				
Metric (L <sub>eq</sub> , L <sub>dnr</sub> , CNEL) :	Ldn				

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Mission Boulevard	Western City Limits	Ramona	32,610	45	75	94			3	3	80	5	15	
2	Mission Boulevard	Ramona Aven	Monte Vista Ave	32,100	45	70	94			3	3	80	5	15	
3	Mission Boulevard	Monte Vista	Central	32,790	45	65	94			3	3	80	5	15	
4	Mission Boulevard	Central Ave	Benson	28,200	45	70	94			3	3	80	5	15	
5	Mills Avenue	Moreno St	San Bernardino St	10,130	40	25	94			3	3	80	5	15	
6	Mills Avenue	San Bernardino	Orchard	7,530	40	45	94			3	3	80	5	15	
7	Mills Avenue	Orchard St	Holt Blvd	7,520	40	50	94			3	3	80	5	15	
8	Ramona Avenue	San Bernardino	Orchard	7,810	40	30	94			3	3	80	5	15	
9	Ramona Avenue	Orchard St	Holt Blvd	9,190	40	30	94			3	3	80	5	15	
10	Ramona Avenue	Holt Blvd	Southern City Limits	20,100	40	30	94			3	3	80	5	15	

**rincon**

### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	C + P
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Mission Boulevard	Western City Limits	Ramona	66.2	0.0	0.0	57.9	62.5	68.1
2	Mission Boulevard	Ramona Aven	Monte Vista Ave	66.5	0.0	0.0	58.3	62.9	68.5
3	Mission Boulevard	Monte Vista	Central	67.1	0.0	0.0	58.8	63.5	69.1
4	Mission Boulevard	Central Ave	Benson	66.0	0.0	0.0	57.7	62.3	68.0
5	Mills Avenue	Moreno St	San Bernardino St	67.4	0.0	0.0	59.4	64.2	69.6
6	Mills Avenue	San Bernardino	Orchard	62.3	0.0	0.0	54.3	59.1	64.5
7	Mills Avenue	Orchard St	Holt Blvd	61.6	0.0	0.0	53.6	58.4	63.8
8	Ramona Avenue	San Bernardino	Orchard	65.1	0.0	0.0	57.1	61.9	67.3
9	Ramona Avenue	Orchard St	Holt Blvd	65.8	0.0	0.0	57.8	62.6	68.0
10	Ramona Avenue	Holt Blvd	Southern City Limits	69.2	0.0	0.0	61.2	66.0	71.4

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
56	122	262	564	1,215
56	120	259	558	1,203
57	122	263	566	1,220
51	110	238	512	1,103
23	50	109	234	505
19	41	89	192	414
19	41	89	192	414
20	42	91	197	424
22	47	102	219	473
37	80	172	370	797

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

**rincon**

### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	C + P	4 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn		
Peak ratio to ADT:			
Traffic Desc. (Peak or ADT) :	ADT		

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Monte Vista Avenue	Northern City Limits	Moreno St	35,380	40	50	94			3	3	80	5	15	
2	Monte Vista Avenue	Moreno St	I-10	40,410	40	50	94			3	3	80	5	15	
3	Monte Vista Avenue	I-10	San Bernardino	32,930	40	40	94			3	3	80	5	15	
4	Monte Vista Avenue	San Bernardino	Orchard	19,770	40	40	94			3	3	80	5	15	
5	Monte Vista Avenue	Orchard	Holt	13,570	40	40	94			3	3	80	5	15	
6	Monte Vista Avenue	Holt	Southern City Limits	7,360	40	40	94			3	3	80	5	15	
7	Central Avenue	Northern City Limits	Moreno St	29,130	40	55	94			3	3	80	5	15	
8	Central Avenue	Moreno St	I-10	57,140	40	50	94			3	3	80	5	15	
9	Central Avenue	I-10	San Bernardino	49,460	40	50	94			3	3	80	5	15	
10	Central Avenue	San Bernardino	Orchard	45,020	40	50	94			3	3	80	5	15	

**rincon**

### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	C + P
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Monte Vista Avenue	Northern City Limits	Moreno St	68.3	0.0	0.0	60.3	65.2	70.5
2	Monte Vista Avenue	Moreno St	I-10	68.9	0.0	0.0	60.9	65.7	71.1
3	Monte Vista Avenue	I-10	San Bernardino	69.5	0.0	0.0	61.5	66.3	71.6
4	Monte Vista Avenue	San Bernardino	Orchard	67.3	0.0	0.0	59.3	64.1	69.4
5	Monte Vista Avenue	Orchard	Holt	65.6	0.0	0.0	57.6	62.5	67.8
6	Monte Vista Avenue	Holt	Southern City Limits	63.0	0.0	0.0	55.0	59.8	65.1
7	Central Avenue	Northern City Limits	Moreno St	66.9	0.0	0.0	58.9	63.7	69.0
8	Central Avenue	Moreno St	I-10	70.4	0.0	0.0	62.4	67.2	72.6
9	Central Avenue	I-10	San Bernardino	69.8	0.0	0.0	61.8	66.6	71.9
10	Central Avenue	San Bernardino	Orchard	69.4	0.0	0.0	61.4	66.2	71.5

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
54	116	250	539	1,161
59	127	273	589	1,269
51	111	239	514	1,107
37	79	170	366	788
28	61	132	285	613
19	41	88	189	408
47	102	220	474	1,020
74	160	344	742	1,599
67	145	313	674	1,452
63	136	294	633	1,364

## Appendix \_\_\_\_ Rincon FHWA Traffic Noise Model

**rincon**

### Model Input

Project Name :	Montclair General Plan		
Project Number :	17-04869		
Modeling Condition :	C + P	5 of 5	
Ground Type :	Soft		
Metric (L <sub>eq</sub> , L <sub>dn</sub> , CNEL) :	Ldn	Peak ratio to ADT:	
		Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Classification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Central Avenue	Orchard	Holt	41,360	40	60	94			3	3	80	5	15	
2	Central Avenue	Holt	Phillips	48,100	40	50	94			3	3	80	5	15	
3	Benson Avenue	Northern City Limits	Moreno St	18,880	40	40	94			3	3	80	5	15	
4	Benson Avenue	Moreno	San Bernardino	14,250	40	40	94			3	3	80	5	15	
5	Benson Avenue	San Bernardino	Orchard	11,230	40	40	94			3	3	80	5	15	
6	Benson Avenue	Orchard	Holt	9,810	40	40	94			3	3	80	5	15	
7	Benson Avenue	Mission	Phillips	9,820	40	40	94			3	3	80	5	15	

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### Model Results

Project Number :	Montclair General Plan
Modeling Condition :	17-04869
Ground Type :	C + P
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Central Avenue	Orchard	Holt	67.8	0.0	0.0	59.8	64.7	70.0
2	Central Avenue	Holt	Phillips	69.7	0.0	0.0	61.7	66.5	71.8
3	Benson Avenue	Northern City Limits	Moreno St	67.1	0.0	0.0	59.1	63.9	69.2
4	Benson Avenue	Moreno	San Bernardino	65.9	0.0	0.0	57.8	62.7	68.0
5	Benson Avenue	San Bernardino	Orchard	64.8	0.0	0.0	56.8	61.6	67.0
6	Benson Avenue	Orchard	Holt	64.2	0.0	0.0	56.2	61.0	66.4
7	Benson Avenue	Mission	Phillips	64.2	0.0	0.0	56.2	61.0	66.4

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
60	129	278	598	1,289
66	143	307	662	1,425
35	76	165	355	764
29	63	136	294	633
25	54	116	251	540
23	49	106	229	494
23	49	106	229	494