

Noise Measurement Field Data

Project:	Ellis Avenue Warehouse EIR	Job Number:	197599001
Site No.:	ST-1	Date:	5/31/2023
Analyst:	Kiana Graham and Sean Gorden	Time:	3:55 PM - 4:05 PM
Location:	South Redlands Avenue and South Ellis Avenue		
Noise Sources:	Cars and trucks on Ellis Avenue, people walking by, trailers behind cars		
Comments:	construction noise (cement truck and pouring)		

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	65.6	44.9	79.6	96.4

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65
Wind (mph):	8 mph
Sky:	Partly Cloudy
Bar. Pressure:	29.84
Humidity:	67%

Photo:



Noise Measurement Field Data

Project:	Ellis Avenue Warehouse EIR	Job Number:	197599001
Site No.:	ST-2	Date:	5/31/2023
Analyst:	Kiana Graham and Sean Gorden	Time:	2:30 PM - 2:40 PM
Location:	681 East Ellis Avenue		
Noise Sources:	Cars on Case Road		
Comments:			

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
60.4	51.4	72.7	96.1

Equipment

Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather

Temp. (degrees F):	66
Wind (mph):	6
Sky:	Partly Cloudy
Bar. Pressure:	29.85
Humidity:	59%

Photo:



Noise Measurement Field Data

Project:	Ellis Avenue Warehouse EIR	Job Number:	197599001
Site No.:	ST-3	Date:	5/31/2023
Analyst:	Kiana Graham and Sean Gorden	Time:	2:48 PM - 2:58 PM
Location:	353 East Ellis Avenue		
Noise Sources:	Generators and planes overhead, cars on Ellis Avenue		
Comments:			

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	49.2	44.1	65.4	81.4

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	66
Wind (mph):	6
Sky:	Partly Cloudy
Bar. Pressure:	29.85
Humidity:	59%

Photo:



Noise Measurement Field Data

Project:	Ellis Avenue Warehouse EIR	Job Number:	197599001
Site No.:	ST-4	Date:	5/31/2023
Analyst:	Kiana Graham and Sean Gorden	Time:	3:39 PM - 3:49 PM
Location:	Hunt Club Apartments on Goetz Road		
Noise Sources:	Cars within residence and cars/trucks on Goetz Road and Case Road		
Comments:			

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	58.3	46.3	78.8	94.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65
Wind (mph):	9
Sky:	Partly Cloudy
Bar. Pressure:	29.84
Humidity:	64%

Photo:



FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris
Project Number:
Scenario: Existing
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	18,530	35	0	2.0%	1.0%	63.4	-	69	217	686
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	19,130	35	0	2.0%	1.0%	63.5	-	71	224	708
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	6,110	40	0	2.0%	1.0%	59.8	-	-	96	304
4	Case Road	Ellis Avenue to Murrieta Road	2	12	7,490	55	0	2.0%	1.0%	64.0	-	79	249	787
5	Case Road	Murrieta Road to Mapes Road	2	12	5,900	55	0	2.0%	1.0%	62.9	-	62	196	620
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	3,270	35	0	2.0%	1.0%	55.8	-	-	38	121
7	Ellis Avenue	Redlands Avenue to West Project Driveway	2	10	1,160	55	0	2.0%	1.0%	55.9	-	-	39	122
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	5,620	40	0	2.0%	1.0%	59.5	-	-	89	280
9	Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	3	20	16,740	40	0	2.0%	1.0%	64.3	-	84	267	845

¹ Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris
Project Number:
Scenario: Existing Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway Distance to Contour				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	18,860	35	0	2.0%	1.0%	63.4	-	69	219	692
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	19,510	35	0	2.0%	1.0%	63.5	-	72	226	715
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	6,680	40	0	1.8%	0.9%	60.0	-	-	101	320
4	Case Road	Ellis Avenue to Murrieta Road	2	12	7,980	55	0	4.3%	3.4%	66.1	41	129	406	1,285
5	Case Road	Murrieta Road to Mapes Road	2	12	6,390	55	0	4.9%	3.9%	65.5	-	112	354	1,118
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	3,860	35	0	6.7%	5.8%	60.9	-	39	124	393
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	2,320	55	0	9.3%	8.8%	63.2	-	67	211	667
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	6,110	40	0	5.0%	4.1%	62.8	-	60	191	604
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	16,990	40	0	3.1%	2.1%	65.7	-	116	368	1,165

¹ Distance is from the centerline of the roadway segment to the receptor location.
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FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris
Project Number:
Scenario: Opening Year
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway Distance to Contour				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	30,872	35	0	2.0%	1.0%	65.6	-	114	361	1,142
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	24,978	35	0	2.0%	1.0%	64.7	-	92	292	924
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	9,907	40	0	2.0%	1.0%	61.9	-	49	156	492
4	Case Road	Ellis Avenue to Murrieta Road	2	12	11,869	55	0	2.0%	1.0%	66.0	39	125	395	1,248
5	Case Road	Murrieta Road to Mapes Road	2	12	11,664	55	0	2.0%	1.0%	65.9	39	123	388	1,226
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	8,046	35	0	2.0%	1.0%	59.7	-	-	94	297
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	5,070	55	0	2.0%	1.0%	62.3	-	53	168	532
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	11,377	40	0	2.0%	1.0%	62.5	-	57	179	567
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	20,344	40	0	2.0%	1.0%	65.1	-	103	325	1,026

¹ Distance is from the centerline of the roadway segment to the receptor location.

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FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris
Project Number:
Scenario: Opening Year Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:

	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	31,202	35	0	2.0%	1.0%	65.6	-	115	363	1,149
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	25,358	35	0	2.0%	1.0%	64.7	-	93	295	932
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	10,477	40	0	1.9%	0.9%	62.1	-	51	161	508
4	Case Road	Ellis Avenue to Murrieta Road	2	12	12,359	55	0	3.5%	2.5%	67.4	55	175	552	1,746
5	Case Road	Murrieta Road to Mapes Road	2	12	12,154	55	0	3.5%	2.5%	67.4	55	172	545	1,724
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	8,636	35	0	4.1%	3.2%	62.6	-	57	180	570
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	6,230	55	0	4.7%	3.9%	65.3	-	108	341	1,077
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	11,867	40	0	3.5%	2.6%	64.5	-	89	282	891
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	20,594	40	0	2.9%	1.9%	66.3	-	135	426	1,347

¹ Distance is from the centerline of the roadway segment to the receptor location.
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		Existing					Proj Trucks: 386		Existing + Project			
# Roadway	Segment	Vehicle Mix %			# Trucks		Truck Trip Dist	# Project Trucks	Vehicle Mix %			
		ADT Volume	Medium Trucks	Heavy Trucks	Medium Trucks	Heavy Trucks			ADT Volume	Medium Trucks	Heavy Trucks	
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	18,530	2.0%	1.0%	370.6	185.3	0	0	18,860	2.0%	1.0%
2	Redlands Avenue	I-215 SB Ramps to 4th Street	19,130	2.0%	1.0%	382.6	191.3	0	0	19,510	2.0%	1.0%
3	Redlands Avenue	4th Street to Ellis Avenue	6,110	2.0%	1.0%	122.2	61.1	0	0	6,680	1.8%	0.9%
4	Case Road	Ellis Avenue to Murrieta Road	7,490	2.0%	1.0%	149.8	74.9	1	386	7,980	4.3%	3.4%
5	Case Road	Murrieta Road to Mapes Road	5,900	2.0%	1.0%	118	59	1	386	6,390	4.9%	3.9%
6	Ellis Avenue	Case Road to Redlands Avenue	3,270	2.0%	1.0%	65.4	32.7	1	386	3,860	6.7%	5.8%
7	Ellis Avenue	Redlands Avenue to West Project Driveway	1,160	2.0%	1.0%	23.2	11.6	1	386	2,320	9.3%	8.8%
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	5,620	2.0%	1.0%	112.4	56.2	1	386	6,110	5.0%	4.1%
9	Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	16,740	2.0%	1.0%	334.8	167.4	1	386	16,990	3.1%	2.1%

* Per traffic study/counts, trucks are approximately 2% of total volume

		Opening Year					Proj Trucks: 386		Opening Year + Project			
# Roadway	Segment	Vehicle Mix %			# Trucks		Truck Trip Dist	# Project Trucks	Vehicle Mix %			
		ADT Volume	Medium Trucks	Heavy Trucks	Medium Trucks	Heavy Trucks			ADT Volume	Medium Trucks	Heavy Trucks	
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	30,872	2.0%	1.0%	617.44	308.72	0	0	31,202	2.0%	1.0%
2	Redlands Avenue	I-215 SB Ramps to 4th Street	24,978	2.0%	1.0%	499.56	249.78	0	0	25,358	2.0%	1.0%
3	Redlands Avenue	4th Street to Ellis Avenue	9,907	2.0%	1.0%	198.14	99.07	0	0	10,477	1.9%	0.9%
4	Case Road	Ellis Avenue to Murrieta Road	11,869	2.0%	1.0%	237.38	118.69	1	386	12,359	3.5%	2.5%
5	Case Road	Murrieta Road to Mapes Road	11,664	2.0%	1.0%	233.28	116.64	1	386	12,154	3.5%	2.5%
6	Ellis Avenue	Case Road to Redlands Avenue	8,046	2.0%	1.0%	160.92	80.46	1	386	8,636	4.1%	3.2%
7	Ellis Avenue	Redlands Avenue to West Project Driveway	5,070	2.0%	1.0%	101.4	50.7	1	386	6,230	4.7%	3.9%
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	11,377	2.0%	1.0%	227.54	113.77	1	386	11,867	3.5%	2.6%
9	Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	20,344	2.0%	1.0%	406.88	203.44	1	386	20,594	2.9%	1.9%

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris - Office Alternative

Project Number:

Scenario: Existing

Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	18,530	35	0	1.2%	2.0%	64.1	-	80	254	804
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	19,130	35	0	1.7%	2.8%	65.1	-	102	321	1,016
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	6,110	40	0	2.6%	4.4%	62.3	-	54	172	542
4	Case Road	Ellis Avenue to Murrieta Road	2	12	1,886	55	0	2.3%	3.9%	65.5	-	111	351	1,111
5	Case Road	Murrieta Road to Mapes Road	2	12	5,900	55	0	2.5%	4.2%	64.6	-	91	288	912
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	3,270	35	0	2.7%	4.5%	58.8	-	-	75	239
7	Ellis Avenue	Redlands Avenue to West Project Driveway	2	10	1,160	55	0	6.8%	11.4%	60.4	-	-	109	344
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	5,620	40	0	2.3%	3.9%	61.7	-	46	147	463
9	Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	3	20	16,740	40	0	3.1%	5.2%	67.3	53	169	535	1,690

¹ Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris - Office Alternative
Project Number:
Scenario: Existing Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	20,416	35	0	1.2%	2.0%	64.4	-	88	277	877
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	21,016	35	0	1.7%	2.8%	65.4	-	110	348	1,102
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	7,996	40	0	2.4%	4.0%	63.3	-	67	211	669
4	Case Road	Ellis Avenue to Murrieta Road	2	12	9,376	55	0	2.5%	4.0%	66.5	45	143	451	1,426
5	Case Road	Murrieta Road to Mapes Road	2	12	7,786	55	0	2.8%	4.3%	65.9	39	124	391	1,236
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	5,156	35	0	3.0%	4.6%	60.9	-	39	122	385
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	3,046	55	0	4.6%	6.9%	63.1	-	65	205	648
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	7,506	40	0	2.6%	4.1%	63.1	-	64	203	642
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	18,626	40	0	3.2%	5.2%	67.8	60	191	604	1,911

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FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris - Office Alternative
Project Number:
Scenario: Opening Year
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	30,872	35	0	1.2%	2.0%	66.3	42	134	424	1,339
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	24,978	35	0	1.7%	2.8%	66.2	42	133	419	1,326
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	9,907	40	0	2.6%	4.4%	64.4	-	88	278	880
4	Case Road	Ellis Avenue to Murrieta Road	2	12	9,376	55	0	2.3%	3.9%	67.5	56	176	557	1,760
5	Case Road	Murrieta Road to Mapes Road	2	12	11,664	55	0	2.5%	4.2%	67.6	57	180	570	1,802
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	8,046	35	0	2.7%	4.5%	62.7	-	59	186	587
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	5,070	55	0	6.8%	11.4%	66.8	48	150	476	1,504
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	11,377	40	0	2.3%	3.9%	64.7	-	94	297	938
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	20,344	40	0	3.1%	5.2%	68.1	65	205	650	2,054

¹ Distance is from the centerline of the roadway segment to the receptor location.
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FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Ellis Logistic - Perris - Office Alternative
Project Number:
Scenario: Opening Year Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	2	15	32,758	35	0	1.2%	2.0%	66.5	45	141	447	1,413
2	Redlands Avenue	I-215 SB Ramps to 4th Street	2	15	26,864	35	0	1.7%	2.8%	66.5	45	141	447	1,412
3	Redlands Avenue	4th Street to Ellis Avenue	2	15	11,793	40	0	2.5%	4.1%	65.0	-	101	319	1,008
4	Case Road	Ellis Avenue to Murrieta Road	2	12	9,376	55	0	2.5%	4.0%	68.2	66	207	656	2,073
5	Case Road	Murrieta Road to Mapes Road	2	12	13,550	55	0	2.7%	4.3%	68.3	67	212	671	2,123
6	Ellis Avenue	Case Road to Redlands Avenue	2	10	9,932	35	0	2.8%	4.5%	63.6	-	73	232	733
7	Ellis Avenue	Redlands Avenue to West Project Driv	2	10	6,956	55	0	6.0%	9.7%	67.7	58	185	584	1,846
8	Bonnie Drive	Mapes Road to I-215 SB Ramps	2	20	13,263	40	0	2.5%	4.0%	65.5	-	111	352	1,115
9	Bonnie Drive/SR-4	I-215 SB Ramps to I-215 NB Ramps	3	20	22,230	40	0	3.2%	5.2%	68.6	72	227	719	2,275

¹ Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

Office Alternative

Existing

Proj Trucks: 57

Existing + Project Alternative

# Roadway	Segment	Existing						Proj Trucks: 57		Existing + Project Alternative		
		ADT	Vehicle Mix %			# Trucks		Truck	# Project	ADT	Vehicle Mix %	
			From TPTO	Medium	Heavy	Medium	Heavy				Medium	Heavy
Volume	Trucks	Trucks	Trucks	Trucks	Trucks	Trip Dist	Trucks	Volume	Trucks	Trucks		
1 Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	18,530	3.23%	1.21%	2.02%	223.8461	374.6729	0	0	18,860	1.19%	1.99%
2 Redlands Avenue	I-215 SB Ramps to 4th Street	19,130	4.53%	1.69%	2.84%	324.1043	542.4847	0	0	19,510	1.66%	2.78%
3 Redlands Avenue	4th Street to Ellis Avenue	6,110	7.00%	2.62%	4.38%	159.9598	267.7402	0	0	6,680	2.39%	4.01%
4 Case Road	Ellis Avenue to Murrieta Road	7,490	6.25%	2.34%	3.91%	175.0788	293.0463	1	56.5848	7,980	2.55%	4.03%
5 Case Road	Murrieta Road to Mapes Road	5,900	6.75%	2.52%	4.23%	148.9455	249.3045	1	56.5848	6,390	2.77%	4.34%
6 Ellis Avenue	Case Road to Redlands Avenue	3,270	7.23%	2.70%	4.53%	88.42145	147.9995	1	56.5848	3,860	3.02%	4.57%
7 Ellis Avenue	Redlands Avenue to West Project Driveway	1,160	18.23%	6.82%	11.41%	79.08903	132.379	1	56.5848	2,320	4.63%	6.93%
8 Bonnie Drive	Mapes Road to I-215 SB Ramps	5,620	6.23%	2.33%	3.90%	130.9471	219.1789	1	56.5848	6,110	2.61%	4.05%
9 Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	16,740	8.23%	3.08%	5.15%	515.2605	862.4415	1	56.5848	16,990	3.20%	5.24%

Cumulative Year

Proj Trucks: 57

Cumulative Year + Project Alternative

# Roadway	Segment	Cumulative Year						Proj Trucks: 57		Cumulative Year + Project Alternative		
		ADT	Vehicle Mix %			# Trucks		Truck	# Project	ADT	Vehicle Mix %	
			From TPTO	Medium	Heavy	Medium	Heavy				Medium	Heavy
Volume	Trucks	Trucks	Trucks	Trucks	Trucks	Trip Dist	Trucks	Volume	Trucks	Trucks		
1 Redlands Avenue	I-215 NB Ramps to I-215 SB Ramps	30,872	3.23%	1.2%	2.02%	372.9399	624.2257	0	0	31,202	1.2%	2.0%
2 Redlands Avenue	I-215 SB Ramps to 4th Street	24,978	4.53%	1.7%	2.84%	423.1823	708.3211	0	0	25,358	1.7%	2.8%
3 Redlands Avenue	4th Street to Ellis Avenue	9,907	7.00%	2.6%	4.38%	259.3653	434.1247	0	0	10,477	2.5%	4.1%
4 Case Road	Ellis Avenue to Murrieta Road	11,869	6.25%	2.3%	3.91%	277.4379	464.3746	1	56.5848	12,359	2.5%	4.0%
5 Case Road	Murrieta Road to Mapes Road	11,664	6.75%	2.5%	4.23%	294.4577	492.8623	1	56.5848	12,154	2.7%	4.3%
6 Ellis Avenue	Case Road to Redlands Avenue	8,046	7.23%	2.7%	4.53%	217.5654	364.1604	1	56.5848	8,636	2.8%	4.5%
7 Ellis Avenue	Redlands Avenue to West Project Driveway	5,070	18.23%	6.8%	11.41%	345.6736	578.5874	1	56.5848	6,230	6.0%	9.7%
8 Bonnie Drive	Mapes Road to I-215 SB Ramps	11,377	6.23%	2.3%	3.90%	265.0864	443.7007	1	56.5848	11,867	2.5%	4.0%
9 Bonnie Drive/SR-47	I-215 SB Ramps to I-215 NB Ramps	20,344	8.23%	3.1%	5.15%	626.1924	1048.119	1	56.5848	20,594	3.2%	5.2%