

**Appendix I:
Noise Supporting Information**

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Noise Measurement Survey

Site Number: 1 Date: 3/3/22 Time: From 4:13 To: 4:28

Site Location: 34.0335123845, -117.414454451

Primary Noise Sources: Road noise and residential activity

Measurement Results

	dBA
Leq	57.9
Lmax	71
Lmin	37.5
L5	63.1
L10	61.4
L50	55.7
L90	47.5
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
4:16 pm	Dog barking from single family home located 450 ft east of measuring location	57
4:19 pm	Residential backyard construction activity located 40 ft south of measuring location	50

Comments: _____

Equipment: Larson Davis LXT1
 Settings: A-Weighted Other _____

Measured Difference: -0.23 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
8-10		69	33	
Comments:	Kestrel ran out of battery so values were taken from local weather station			

Project Number: 4340.004
 Project Name: Rio Vista Specific Plan
 Test Personnel: Kevin Nguyendo

Noise Measurement Survey

Site Number: 2 Date: 3/3/22 Time: From 3:43 To: 3:58

Site Location: 34.0218143176, -117.413620327

Primary Noise Sources: Road noise and residential activity

Measurement Results

	dBA
Leq	47.7
Lmax	62.5
Lmin	38.1
L5	53.6
L10	49
L50	42.7
L90	39.8
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
3:55 pm	Fly by from propeller plane flying above measuring location	59

Comments: _____

Equipment: Larson Davis LXT1
 Settings: A-Weighted Other _____

Measured Difference: -0.2 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
8-10		70	36	
Comments:	Kestrel ran out of battery so local weather station values were used			

Project Number: 4340.004
 Project Name: Rio Vista Specific Plan
 Test Personnel: Kevin Nguyendo

Noise Measurement Survey

Site Number: 3 Date: 3/3/22 Time: From 2:57 To: 3:12

Site Location: 34.0109944,-117.4120591

Primary Noise Sources: Road noise and residential activity

Measurement Results

	dBA
Leq	55.1
Lmax	65.2
Lmin	47.9
L5	57.7
L10	56.9
L50	54.1
L90	52
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
2:57 pm	Lawn mower	51

Comments: _____

Equipment: Larson Davis LXT1
 Settings: A-Weighted Other _____

Measured Difference: 0.5 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
8-10		70	36	
Comments:				

Project Number: 4340.004
 Project Name: Rio Vista Specific Plan
 Test Personnel: Kevin Nguyendo

Noise Measurement Survey

Site Number: 4 Date: 3/3/22 Time: From 1:23 pm To: 1:38 pm

Site Location: 34.0239453175, -117.401150087

Primary Noise Sources: _____

Measurement Results

	dBA
Leq	49.9
Lmax	63
Lmin	45.7
L5	53.2
L10	49.6
L50	47.9
L90	47.2
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
1:23 pm	Excavator operating during the entire time located 60 feet east	-
1:25	Concrete mixing truck drove by 30 feet east of measurement location	61

Comments: _____

Equipment: Larson Davis LXT1
 Settings: A-Weighted Other _____

Measured Difference: 0.0 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
8-10		70	36	
Comments:				

Project Number: 4340.004
 Project Name: Rio Vista Specific Plan
 Test Personnel: Kevin Nguyendo

Noise Measurement Survey

Site Number: 5 Date: 3/3/22 Time: From 2:09 pm To: 2:24 pm

Site Location: 34.0337905025, -117.399888523

Primary Noise Sources: Nearby roadway that leads into an industrial facility _____

Measurement Results

	dBA
Leq	39.9
Lmax	49.4
Lmin	35.4
L5	43.2
L10	41.7
L50	39.1
L90	37.1
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
2:15 pm	Dog barking located .38 miles east of measurement location	41

Comments: _____

Equipment: Larson Davis LXT1
 Settings: A-Weighted Other _____

Measured Difference: 0.0 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
8-10		70	36	
Comments:				

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Armstrong Road - SR-60 to 30th Street
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29000 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.0	152.7	325.8	700.3

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Armstrong Road - 30th Street to Sierra Avenue
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29000 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.0	152.7	325.8	700.3

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Sierra Avenue - Armstrong Road to 20th Street
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2500 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	90.8

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: 20th Street - north of Sierra Avenue
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 890 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Market Street - Via Cerro to Agua Mansa Road
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13600 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	60.7	130.2	280.2

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Agua Mansa Road to Rubidoux Boulevard

NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18800 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	75.8	161.7	347.5

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: 20th Street - Rubidoux Boulevard to Caterpillar Court
NOTES: Rio Vista Specific Plan - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3300 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT	
---	-----	-----	
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	51.0	109.2

TABLE Existing plus Specific Plan-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Armstrong Road - SR-60 to 30th Street

NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33900 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.3	169.1	361.4	777.0

TABLE Existing plus Specific Plan-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Armstrong Road - 30th Street to Sierra Avenue

NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34000 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.5	169.4	362.1	778.5

TABLE Existing plus Specific Plan-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Sierra Avenue - Armstrong Road to 20th Street
NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10300 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	50.5	108.2	232.8

TABLE Existing plus Specific Plan-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: 20th Street - north of Sierra Avenue
NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11700 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	55.9	118.2	253.5

TABLE Existing plus Specific Plan-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Via Cerro to Agua Mansa Road

NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18300 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.8	158.6	341.4

TABLE Existing plus Specific Plan-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Agua Mansa Road to Rubidoux Boulevard

NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23500 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	87.7	187.5	403.2

TABLE Existing plus Specific Plan-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: 20th Street - Rubidoux Boulevard to Caterpillar Court

NOTES: Rio Vista Specific Plan - Existing plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15500 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.1	142.0	305.7

TABLE General Plan Buildout (Year 2045)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Armstrong Road - SR-60 to 30th Street

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42600 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
93.6	196.4	420.6	904.7

TABLE General Plan Buildout (Year 2045)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Armstrong Road - 30th Street to Sierra Avenue

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 40800 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.1	190.9	408.7	879.1

TABLE General Plan Buildout (Year 2045)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Sierra Avenue - Armstrong Road to 20th Street

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	57.7	123.7	266.3

TABLE General Plan Buildout (Year 2045)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: 20th Street - north of Sierra Avenue

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1900 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	76.3

TABLE General Plan Buildout (Year 2045)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Via Cerro to Agua Mansa Road

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26400 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.1	202.4	435.9

TABLE General Plan Buildout (Year 2045)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Agua Mansa Road to Rubidoux Boulevard

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30900 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.9	224.9	483.9

TABLE General Plan Buildout (Year 2045)-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: 20th Street - Rubidoux Boulevard to Caterpillar Court

NOTES: Rio Vista Specific Plan - General Plan Buildout (Year 2045)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5700 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	73.1	157.0

Plan-01

TABLE General Plan Buildout plus Specific
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Armstrong Road - SR-60 to 30th Street
NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 47500 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.2	211.0	452.1	972.8

Plan-02

TABLE General Plan Buildout plus Specific
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Armstrong Road - 30th Street to Sierra Avenue
NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 45800 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
98.0	206.0	441.3	949.4

Plan-03

TABLE General Plan Buildout plus Specific
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Sierra Avenue - Armstrong Road to 20th Street
NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20400 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.3	170.5	367.1

Plan-04

TABLE General Plan Buildout plus Specific

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: 20th Street - north of Sierra Avenue

NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11800 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	56.2	118.8	254.9

Plan-05

TABLE General Plan Buildout plus Specific

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022

ROADWAY SEGMENT: Market Street - Via Cerro to Agua Mansa Road

NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31100 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	105.0	225.8	486.2

Plan-06

TABLE General Plan Buildout plus Specific
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
ROADWAY SEGMENT: Market Street - Agua Mansa Road to Rubidoux Boulevard
NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35600 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
54.5	115.2	247.0	531.6

Plan-07

TABLE General Plan Buildout plus Specific

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/22/2022
 ROADWAY SEGMENT: 20th Street - Rubidoux Boulevard to Caterpillar Court
 NOTES: Rio Vista Specific Plan - General Plan Buildout plus Specific Plan

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17900 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	72.7	156.3	336.4

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