CITY OF PERRIS HOUSING IMPLEMENTATION MEASURES NOISE IMPACT ANALYSIS

City of Perris

September 7, 2023

Traffic Engineering ● Transportation Planning ● Parking ● Noise & Vibration
Air Quality ● Global Climate Change ● Health Risk Assessment

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Project No. 19598

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EXECUTIVE SUMMARY

The proposed project involves creation of an overlay zone for Housing Opportunity Sites identified in the recently adopted *City of Perris General Plan Housing Element* (August 17, 2022) that would continue to permit development in accordance with current zoning regulations or allow activation of the overlay zoning for development of up to 5,419 high-density, multi-family residential dwelling units distributed over 12 Housing Opportunity Areas ("Project").

Existing Noise Environment

Sensitive receptors that may be affected by project generated noise include the existing residential, school, church, and transient lodging uses located in close proximity to the Housing Opportunity Sites.

Measured short-term ambient noise levels in the project vicinity ranged between 45.6 and 68.2 dBA L_{eq}. The dominant noise source in the project vicinity was vehicle traffic associated with Ruby Road, Jarvis Street, Wilson Avenue, San Jacinto Avenue, G Street, C Street, 7th Street, D Street, 6th Street, Redlands Avenue, Case Road, Goetz Road, Perris Boulevard, Ellis Avenue, and other surrounding roadways.

Impacts to the Other Land Uses

Table 5 shows the change in General Plan Buildout noise levels with the addition of project-generated operational trips. Modeled General Plan Buildout (Post 2030) Without Project traffic noise levels range between 58-79 dBA CNEL and the modeled General Plan Buildout (Post 2030) With Project traffic noise levels range between 60-79 dBA CNEL at the rights-of-way of studied roadway segments. The addition of Project trips is expected to increase buildout noise levels between 0 to 2.82 dB and is not expected to increase noise levels in excess of the applicable threshold at any of the modeled roadway segments (see Table 5). Program-level impacts related to vehicle traffic associated with development of full buildout potential of the proposed Housing Opportunity Areas would be less than significant. No mitigation is required.

Impacts to Future Housing Developments Within the Housing Opportunity Areas

Regarding noise/land use compatibility, nearly all of the studied roadway segments in the project area are expected to generate future noise levels that exceed the City's Land Use Compatibility Guidelines for Noise. The following mitigation measure is recommended to ensure future housing development proposals within the Housing Opportunity Areas are not significantly impacted by roadway traffic noise:

> **Mitigation Measure NOI-1**
> Individual housing development applications within the Housing Opportunity Areas shall require a project-level noise study be prepared by a professional noise analyst to assess interior noise levels and, if necessary, provide measures that would ensure interior noise levels do not exceed the State's interior noise requirement of 45 dBA CNEL.

Impacts to future housing developments within the Housing Opportunity Areas would be less than significant with implementation of Mitigation Measure NOI-1.

1. INTRODUCTION

This section describes the purpose of this study and the proposed project.

PURPOSE AND OBJECTIVES

The purpose of this report is to document the existing noise environment; predict future noise levels, and provide programmatic mitigation measures to avoid or minimize potential noise impacts that may be associated with implementation of the proposed Housing Opportunity Sites associated with the *City of Perris General Plan Housing Element Update*. Potential noise impacts related to the proposed land use and associated development have been evaluated in light of applicable federal, state and local policies, including those of the City of Perris, in the context of the California Environmental Quality Act (CEQA).

Although this is a technical report, effort has been made to write the report clearly and concisely. A list of acronyms and glossary are provided in Appendix A and Appendix B of this report to assist the reader with technical terms related to noise analysis.

PROJECT DESCRIPTION

The proposed project involves creation of an overlay zone for Housing Opportunity Sites identified in the recently adopted *City of Perris General Plan Housing Element* (August 17, 2022). The Housing Opportunity Site overlay would either continue to permit development in accordance with current zoning regulations or will allow activation of the overlay zoning for development of up to 5,419 high-density, multi-family residential dwelling units distributed over 12 Housing Opportunity Areas ("Project").

The Housing Opportunity Areas are identified on Figure 7-3 of the Housing Element. Appendix B of the Housing Element provides detailed descriptions of each Housing Opportunity Area including the maximum number of potential units of multi-family housing that can be developed at each location. Table 1 summarizes the Housing Opportunity Area development potential. This information was obtained from Appendix B of the Housing Element. As shown in Table 1, full development of all Housing Opportunity Areas could result in up to 5,419 multifamily residential dwelling units.

Figure 1 shows the project location map. This figure shows the location of all twelve Housing Opportunity Areas overlayed onto the City of Perris Future Roadway Network (as identified on Exhibit CE-12 of the *City of Perris General Plan Circulation Element* (August 26, 2022).

Table 1
Housing Opportunity Area Development Potential

Area	Buildout Potential (DU)	Area	Buildout Potential (DU)
1 - Subtotal	**320**	7 - Site 7.1	113
2 - Site 2.1	109	7 - Site 7.2	179
2 - Site 2.2	120	7 - Site 7.3	13
2 - Site 2.3	123	7 - Site 7.4	69
2 - Site 2.4	120	**7 - Subtotal**	**374**
2 - Site 2.5	46	8 - Site 8.1	24
2 - Site 2.6	19	8 - Site 8.2	49
2 - Subtotal	**537**	8 - Site 8.3	111
3 - Site 3.1	104	8 - Site 8.4	17
3 - Site 3.2	122	**8 - Subtotal**	**201**
3 - Site 3.3	26	9 - Site 9.1	79
3 - Site 3.4	114	9 - Site 9.2	220
3 - Site 3.5	156	**9 - Subtotal**	**299**
3 - Site 3.6	36	10 - Site 10.1	70
3 - Site 3.7	127	10 - Site 10.2	60
3 - Subtotal	**685**	**10 - Subtotal**	**130**
4 - Subtotal	**881**	11 - Site 11.1	32
5 - Site 5.1	233	11 - Site 11.2	93
5 - Site 5.2	222	11 - Site 11.3	24
5 - Site 5.3	263	**11 - Subtotal**	**149**
5 - Site 5.4	251	12 - Site 12.1	35
5 - Subtotal	**969**	12 - Site 12.2	28
6 - Site 6.1	239	12 - Site 12.3	10
6 - Site 6.2	303	12 - Site 12.4	49
6 - Subtotal	**542**	12 - Site 12.5	31
-	**-**	12 - Site 12.6	109
-	**-**	12 - Site 12.7	70
-	**-**	**12 - Subtotal**	**332**
TOTAL			**5,419**

Source: *City of Perris Housing Element* (August 17, 2022); Appendix B.
DU = Dwelling Units

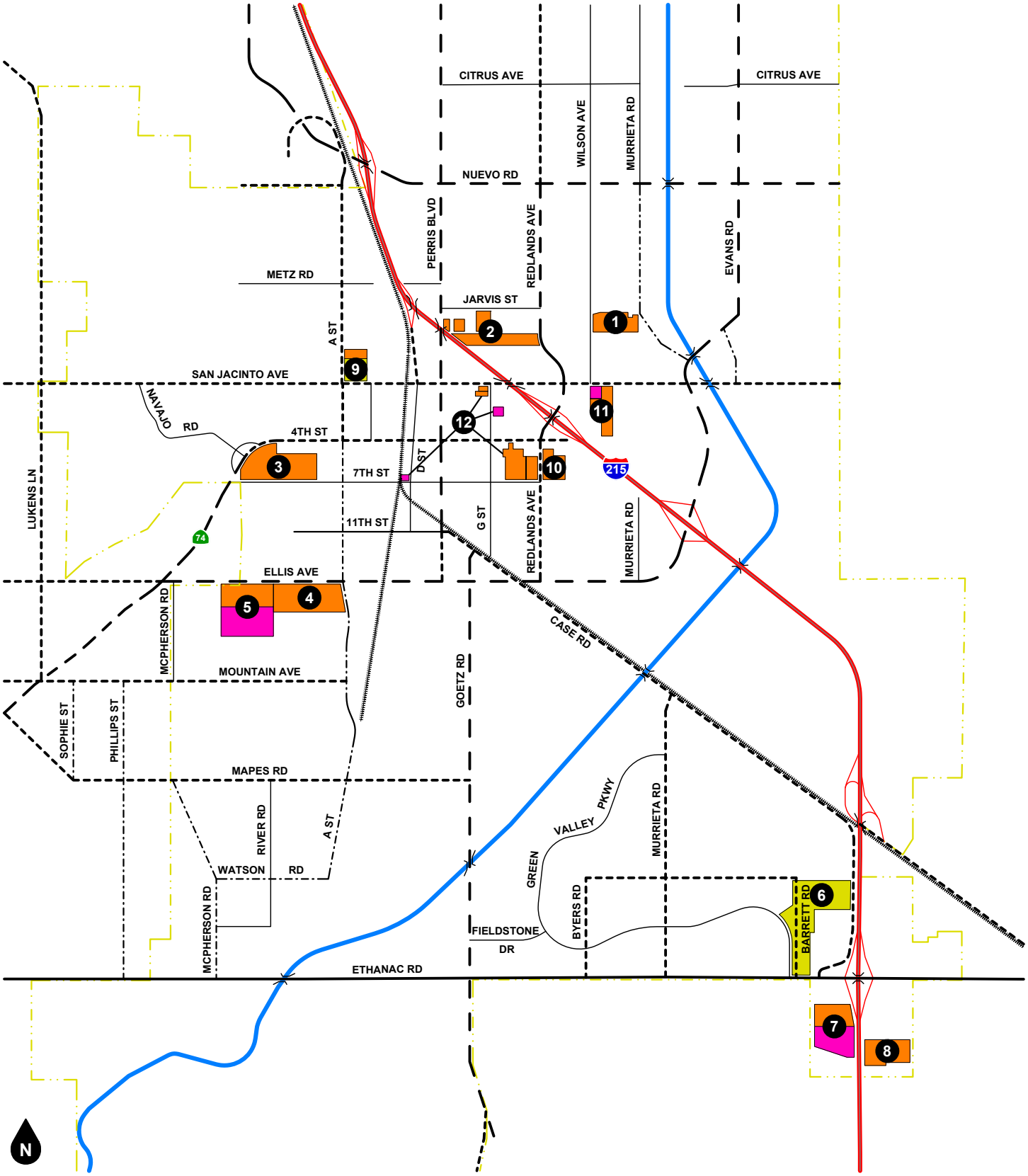


Figure 1
Project Location Map

2. NOISE FUNDAMENTALS

This section provides an overview of key noise concepts.

NOISE FUNDAMENTALS

Sound is a pressure wave created by a moving or vibrating source that travels through an elastic medium such as air. Noise is defined as unwanted or objectionable sound. The effects of noise on people can include general annoyance, interference with speech communication, sleep disturbance, and in extreme circumstances, hearing impairment.

Commonly used noise terms are presented in Appendix B. The unit of measurement used to describe a noise level is the decibel (dB). The human ear is not equally sensitive to all frequencies within the sound spectrum. Therefore, the "A-weighted" noise scale, which weights the frequencies to which humans are sensitive, is used for measurements. Noise levels using A-weighted measurements are written dB(A) or dBA.

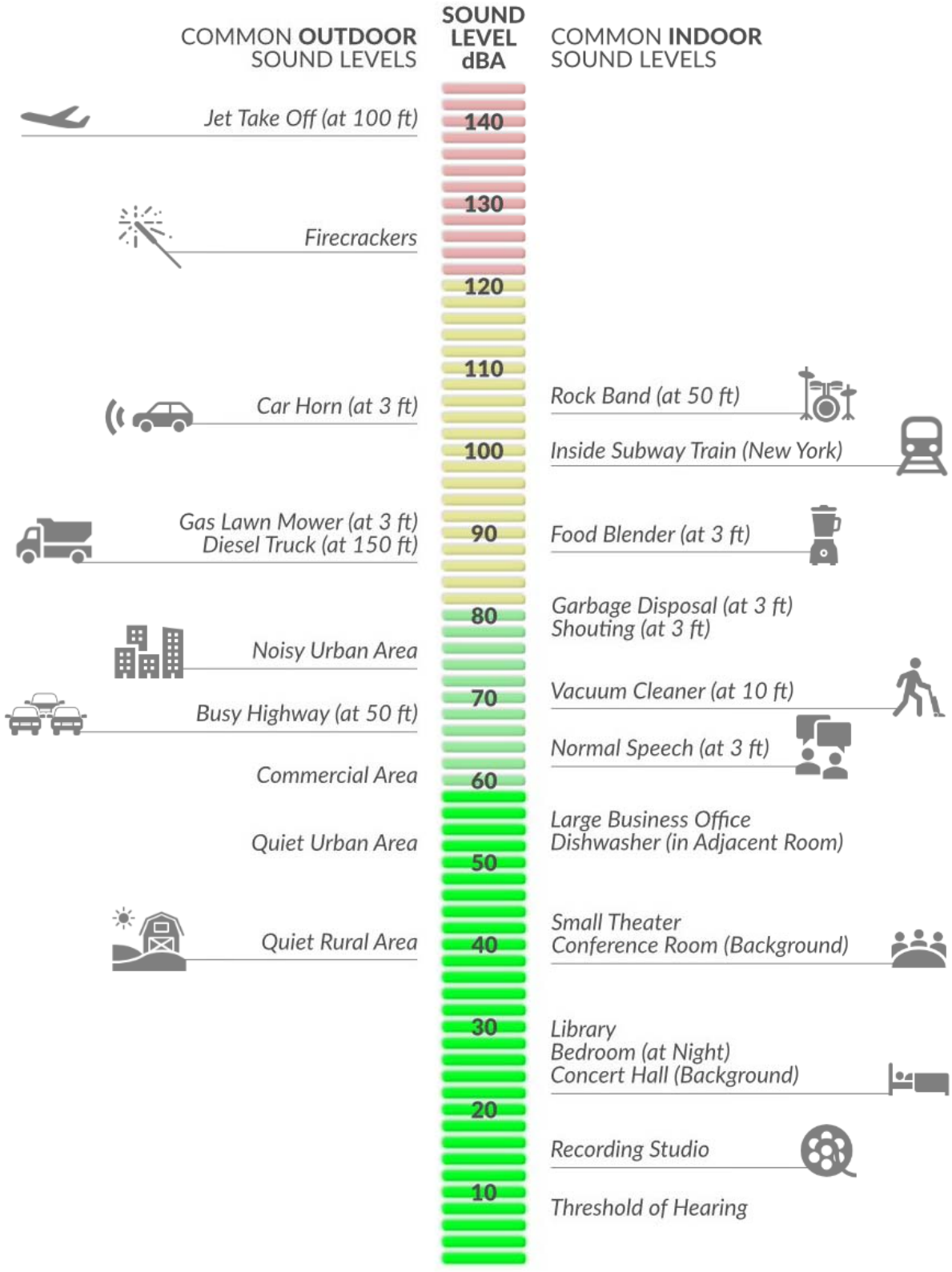
From the noise source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise as the distance from the source increases. The manner in which noise reduces with distance depends on whether the source is a point or line source as well as ground absorption, atmospheric effects and refraction, and shielding by natural and manmade features. Sound from point sources, such as air conditioning condensers, radiates uniformly outward as it travels away from the source in a spherical pattern. The noise drop-off rate associated with this geometric spreading is 6 dBA per each doubling of the distance (dBA/DD). Transportation noise sources such as roadways are typically analyzed as line sources, since at any given moment the receiver may be impacted by noise from multiple vehicles at various locations along the roadway. Because of the geometry of a line source, the noise drop-off rate associated with the geometric spreading of a line source is 3 dBA/DD.

Decibels are measured on a logarithmic scale, which quantifies sound intensity in a manner similar to the Richter scale used for earthquake magnitudes. Thus, a doubling of the energy of a noise source, such as a doubled traffic volume, would increase the noise levels by 3 dBA; halving of the energy would result in a 3 dBA decrease. Figure 2 shows the relationship of various noise levels to commonly experienced noise events.

Average noise levels over a period of minutes or hours are usually expressed as dBA L_{eq}, or the equivalent noise level for that period of time. For example, $L_{eq(3\text{-}hr)}$ would represent a 3-hour average. When no period is specified, a one-hour average is assumed.

Noise standards for land use compatibility are stated in terms of the Community Noise Equivalent Level (CNEL) and the Day-Night Average Noise Level (DNL). CNEL is a 24-hour weighted average measure of community noise. CNEL is obtained by adding five decibels to sound levels in the evening (7:00 PM to 10:00 PM), and by adding ten decibels to sound levels at night (10:00 PM to 7:00 AM). This weighting accounts for the increased human sensitivity to noise during the evening and nighttime hours. DNL is a very similar 24-hour average measure that weights only the nighttime hours.

It is widely accepted that the average healthy ear can barely perceive changes of 3 dBA; that a change of 5 dBA is readily perceptible, and that an increase (decrease) of 10 dBA sounds twice (half) as loud. This definition is recommended by the California Department of Transportation's Technical Noise Supplement to the Traffic Noise Analysis Protocol (2013).



Based on Policy & Guidance from Federal Aviation Administration

Figure 2
A-Weighted Comparative Sound Levels

3. EXISTING NOISE ENVIRONMENT

This section describes the existing noise setting in the project vicinity.

EXISTING LAND USES AND SENSITIVE RECEPTORS

The State of California defines sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, single and multiple-family residential, including transient lodging, motels and hotel uses make up the majority of these areas.

Existing sensitive land uses to the Housing Opportunity Sites that may be affected by project noise include:

- Area 1: The single-family residential uses located approximately 30 feet south and 55 feet west; multi-family residential uses located approximately 80 feet southwest (across the intersection of Dale St and Wilson Avenue); and the school use located approximately 850 feet north of the area boundaries.

- Area 2: The mobile home park located adjacent to the south; multi-family residential uses located adjacent to the northwest and approximately 50 feet north/northeast and 55 feet north; single-family residential uses located approximately 113 feet northeast and 120 feet west; and the school uses located adjacent to the northeast and northwest and approximately 360 feet north/northwest of the area boundaries.

- Area 3: The single-family residential uses located adjacent to the south and northeast and approximately 70 feet southeast, 355 feet north, 323 feet northwest, and 444 feet west; and the school use located approximately 55 feet east of the area boundaries.

- Area 4: The single-family residential uses located adjacent to the south and north and approximately 66 feet east and 308 feet north; and the school use located approximately 532 feet northeast of the area boundaries.

- Area 5: The single-family residential uses located adjacent to the south and west and approximately 50 feet east and 94 feet northeast of the area boundaries.

- Area 6: The single-family residential uses located approximately 2,617 feet east, 1,829 feet southwest, and 3,244 feet west of the area site boundaries.

- Area 7: The single-family residential uses located approximately 1,098 feet south, 1,004 feet southeast, and 1,599 feet southwest of the area site boundaries.

- Area 8: The single-family residential uses located approximately 40 feet northeast and 368 feet south of the area boundaries.

- Area 9: The single-family residential uses located adjacent to the north approximately 43 feet south, 112 feet southwest, 65 feet west, and 208 feet east; and the school use located approximately 591 feet north of the area boundaries.

- Area 10: The transient lodging use located approximately 85 feet west and the school use located approximately 126 feet south of the area boundaries.

- Area 11: The single-family residential uses located approximately 100 feet north and the multi-family residential uses located approximately 682 feet northwest of the area boundaries.

- Area 12: For the portion of Are 12 located at the southwestern corner of San Jacinto Avenue and G street, the single-family residential uses located approximately 155 feet southeast, ~360 feet west, and 381 feet southwest; the mobile home park located approximately 385 feet northeast; and multi-family residential uses located approximately 350 feet east of the area boundaries. For the portion of Area 12 located east of G Street between 1st and 3rd streets, the single-family residential use located adjacent to the north and 704 feet west; the mobile home park located approximately 517 feet north; and multi-family residential uses located adjacent to the east and south of the area boundaries. For the portion of Area 12 located at the northwest corner of 7th Street and D Street, the single-family residential uses located approximately 105 feet west and 190 feet east, and multi-family residential uses located approximately 234 feet south of the area boundaries. For the portion of Area 12 located between 4th Street and 7th Street and along Redlands Avenue, the single-family residential uses located approximately 357 feet west, multi-family residential uses located approximately 529 feet north, the transient lodging use located adjacent to the north, and the school use located approximately 86 feet south of the area boundaries.

AMBIENT NOISE MEASUREMENTS

An American National Standards Institute (ANSI Section SI.4 2014, Class 1) Larson Davis model LxT sound level meter was used to document existing ambient noise levels. In order to document existing ambient noise levels in the project area, fourteen (14) 15-minute daytime noise measurements were taken between 9:02 AM and 7:50 PM on June 26,2023. Figure 3 shows the noise measurement location map. Field worksheets and noise measurement worksheets are provided in Appendix C.

- NM1: represents the existing noise environment of the residential and school uses located along E Jarvis Street between N Perris Boulevard and Redlands Avenue (255 E Jarvis St, Perris). The noise meter was placed at the northwestern corner of Palms Elementary School just south of E Jarvis Avenue.
- NM2: represents the existing noise environment of the residential uses located along Wilson Avenue between E Nuevo Road and E San Jacinto Avenue (428 Wilson Avenue, Perris). The noise meter was placed just east of the residential uses along the western side of Wilson Avenue.
- NM3: represents the existing noise environment of the residential uses located along E San Jacinto Avenue between Redlands Avenue and Murrieta Road (631 Passiflora Drive, Perris). The noise meter was placed just south of the residential use and north of E San Jacinto Avenue.
- NM4: represents the existing noise environment of the residential uses located along G Street between 4th Street and E San Jacinto Avenue (225 S G Street, Perris). The noise meter was placed just west of the residential use and east of G Street.
- NM5: represents the existing noise environment of the residential uses located near the intersection of W San Jacinto Avenue and C Street (8 S C Street, Perris). The noise meter was placed near the southwestern corner of the intersection of W San Jacinto Avenue and at the northeastern corner of the residential use.
- NM6: represents the existing noise environment of the residential uses located along W San Jacinto Avenue between A Street and B Street (377 W San Jacinto Avenue, Perris). The noise meter was placed just north of the residential use and south of W San Jacinto Avenue.
- NM7: represents the existing noise environment of the residential and school uses located along 7th Street between Park Avenue and S A Street (435 7th Street, Perris). The noise meter was placed just north of the residential use and south of 7th Street.
- NM8: represents the existing noise environment of the commercial uses located along D Street between 4th Street and 7th Street (600 S D Street, Perris). The noise meter was placed just northwest of the commercial use and east of D Street.

- NM9: represents the existing noise environment of the residential uses along G Street between 4th Street and Case Road (377 E 6th Street, Perris). The noise meter was placed just east of the residential use and west of G Street.
- NM10: represents the existing noise environment of the transient lodging use located along Redlands Avenue between 4th Street and 7th Street (480 S Redlands Avenue, Perris). The noise meter was placed just east of the transient lodging use and west of Redlands Avenue.
- NM11: represents the existing noise environment of potential future land uses along E Ellis Avenue between Case Road and Goetz Road. The noise meter was placed just north of E Ellis Avenue.
- NM12: represents the existing noise environment of the residential uses located along Perris Boulevard between 11th Street and E Ellis Avenue (1355 S Perris Boulevard, Perris). The noise meter was placed just east of Perris Boulevard along the western side of the residential uses.
- NM13: represents the existing noise environment of the residential uses located along E Ellis Avenue between A Street and Goetz Road (137 Mercado Street, Perris). The noise meter was placed just south of the residential use and north of E Ellis Avenue.
- NM14: represents the existing noise environment of the residential uses along E Ellis Avenue between State Route 74 and A Street (1270 Park Avenue, Perris). The noise meter was placed just south of the residential use along the northern side of E Ellis Avenue.

Table 2 provides a summary of the short-term ambient noise data. Measured short-term ambient noise levels ranged between 45.6 and 68.2 dBA L_{eq}. The dominant noise source in the project vicinity was vehicle traffic associated with Ruby Road, Jarvis Street, Wilson Avenue, San Jacinto Avenue, G Street, C Street, 7th Street, D Street, 6th Street, Redlands Avenue, Case Road, Goetz Road, Perris Boulevard, Ellis Avenue, and other surrounding roadways.

Table 2
Short-Term Noise Measurement Summary (dBA)

Daytime Measurements[1,2]								
Site Location	Time Started	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)
NM1	9:02 AM	61.4	77.8	55.0	66.1	64.1	62.0	59.6
NM2	9:42 AM	57.7	75.4	33.3	69.2	61.9	48.4	41.5
NM3	10:19 AM	67.5	83.6	44.1	74.8	71.3	68.2	64.2
NM4	11:00 AM	68.2	86.1	45.1	78.9	70.7	62.1	55.4
NM5	11:36 AM	64.5	81.3	49.5	73.9	67.4	63.1	60.1
NM6	12:22 PM	47.5	63.1	38.2	55.7	50.6	46.6	43.8
NM7	12:57 PM	58.1	77.9	45.1	67.5	61.6	52.3	48.7
NM8	1:38 PM	57.6	69.7	50.8	64.9	61.1	57.6	55.4
NM9	2:13 PM	60.5	76.0	43.7	70.3	66.0	57.9	51.1
NM10	2:50 PM	67.8	82.5	51.8	76.9	72.9	66.4	61.6
NM11	3:29 PM	53.4	70.0	43.2	61.1	56.2	52.7	50.1
NM12	6:01 PM	61.0	74.2	49.4	69.7	66.5	59.7	54.6
NM13	6:52 PM	50.3	70.0	46.3	53.9	49.5	47.8	47.3
NM14	7:35 PM	45.6	59.6	39.5	51.7	47.4	45.5	44.0

Notes:

(1) See Figure 5 for noise measurement locations. Each noise measurement was performed over a 15-minute duration.

(2) Noise measurements performed on July 26, 2023.

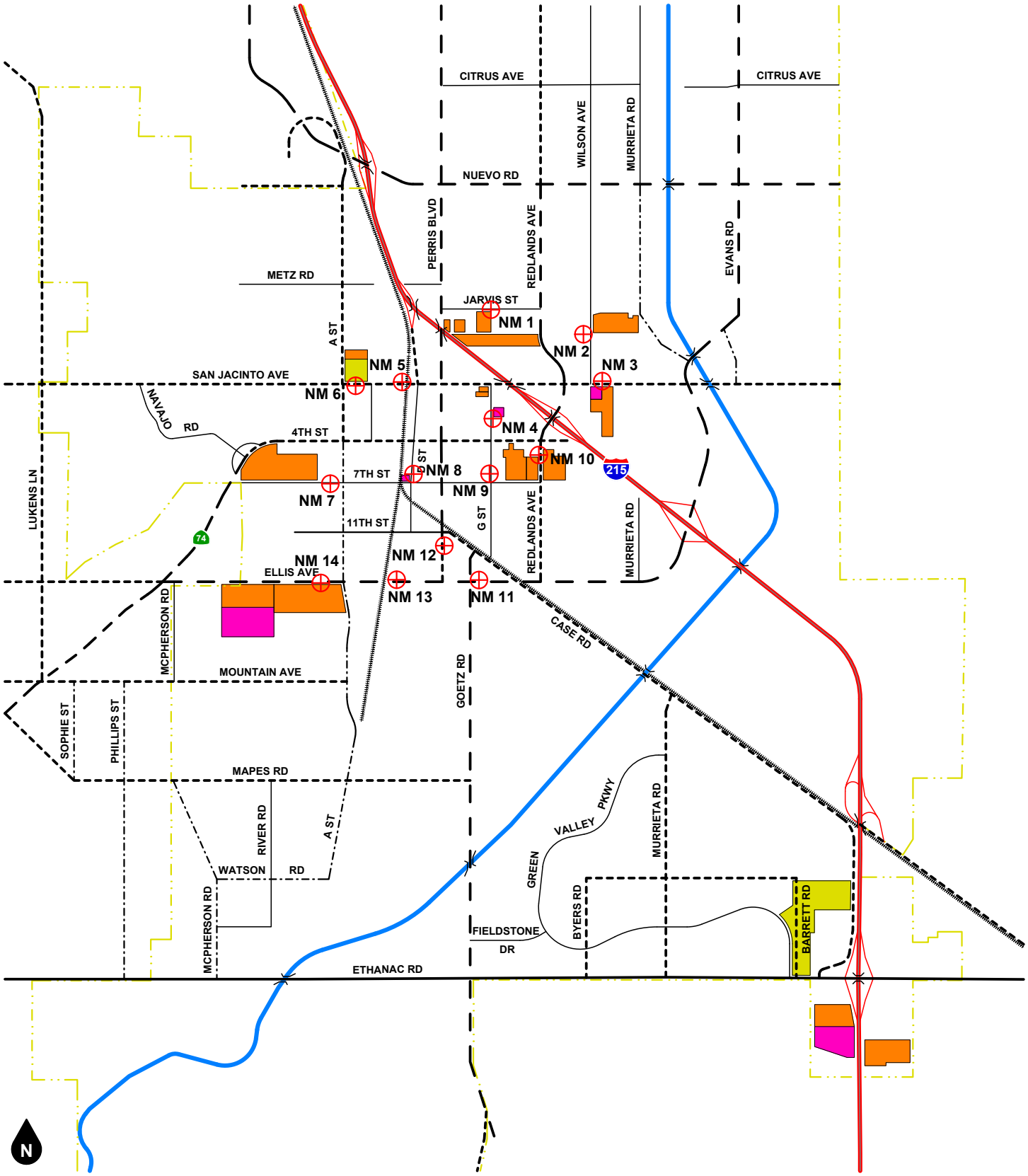


Figure 3
Noise Measurement Location Map

4. REGULATORY SETTING

This section documents the regulatory framework and applicable noise standards.

FEDERAL REGULATION

Federal Noise Control Act of 1972

The U.S. Environmental Protection Agency (EPA) Office of Noise Abatement and Control was originally established to coordinate federal noise control activities. After its inception, EPA's Office of Noise Abatement and Control issued the Federal Noise Control Act of 1972, establishing programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In response, the EPA published Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (Levels of Environmental Noise). The Levels of Environmental Noise recommended that the Ldn should not exceed 55 dBA outdoors or 45 dBA indoors to prevent significant activity interference and annoyance in noise-sensitive areas.

In 1981, EPA administrators determined that subjective issues such as noise would be better addressed at lower levels of government. Consequently, in 1982 responsibilities for regulating noise control policies were transferred to State and local governments. However, noise control guidelines and regulations contained in EPA rulings in prior years remain in place by designated Federal agencies, allowing more individualized control for specific issues by designated Federal, State, and local government agencies.

STATE REGULATIONS

State of California General Plan Guidelines 2017

Though not adopted by law, the State of California General Plan Guidelines 2017, published by the California Governor's Office of Planning and Research (OPR) (OPR Guidelines), provides guidance for the compatibility of projects within areas of specific noise exposure. The OPR Guidelines identify the suitability of various types of construction relative to a range of outdoor noise levels and provide each local community some flexibility in setting local noise standards that allow for the variability in community preferences. Findings presented in the Levels of Environmental Noise Document (EPA 1974) influenced the recommendations of the OPR Guidelines, most importantly in the choice of noise exposure metrics (i.e., Ldn or CNEL) and in the upper limits for the normally acceptable outdoor exposure of noise-sensitive uses.

The OPR Guidelines include a Noise and Land Use Compatibility Matrix which identifies acceptable and unacceptable community noise exposure limits for various land use categories. Where the "normally acceptable" range is used, it is defined as the highest noise level that should be considered for the construction of the buildings which do not incorporate any special acoustical treatment or noise mitigation. The "conditionally acceptable" or "normally unacceptable" ranges include conditions calling for detailed acoustical study prior to the construction or operation of the proposed project.

LOCAL REGULATIONS

City of Perris General Plan

The City of Perris has adopted their own version of the State Land Use Compatibility Guidelines for land use planning and to assess potential transportation noise impacts to proposed land uses (see Table 3).

The City of Perris General Plan Noise Element also includes the following goals, policies, and implementation measures in regard to noise which apply to the proposed project.

Goal-1: Land Use Siting: *Future land uses compatible with projected noise environments.*

Policy I.A: *The State of California Noise/Land Use Compatibility Criteria shall be used in determining land use compatibility for new development.*

Implementation Measures

I.A.1 All new development proposals will be evaluated with respect to the State Noise/Land Use Compatibility Criteria. Placement of noise sensitive uses will be discouraged within any area exposed to exterior noise levels that fall into the "Normally Unacceptable" range and prohibited within areas exposed to "Clearly Unacceptable" noise ranges.

Table 3
City of Perris Land Use Compatibility Guidelines for Noise

Land Use Category	Community Noise Equivalent Level (CNEL)						
	55	60	65	70	75	80	85
Residential: Low Density Single Family, Duplex, Mobile Homes							
Residential: Multi-Family							
Commercial: Hotels/Motels, Transient Lodging							
Schools, Libraries, Churches, Hospitals, Nursing Homes							
Auditoriums, Concert Halls, Amphitheatres, Meeting Halls							
Sports Arena, Outdoor Spectator Sports							
Playgrounds, Neighborhood Parks							
Golf Courses, Riding Stables, Water Recreation, Cemeteries							
Office Buildings, Business Commercial and Professional, and Mixed-Use Developments							
Industrial, Manufacturing Utilities, Agriculture							

Normally Acceptable:	Specific land use is satisfactory, based up the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.
Conditionally Acceptable:	New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed insulation features included in the design. Conventional constuction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.
Normally Unacceptable:	New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise reduction features included in the design.
Clearly Unacceptable:	New construction or development should generally not be undertaken.

Source: California Governor's Office of Planning and Research, State of California General Plan Guidelines, Appendix C: Guidelines for the Preparation and Content of Noise Elements of the General Plan, February 1976 and City of Perris General Plan, 2005.

5. ANALYTICAL METHODOLOGY AND MODEL PARAMETERS

This section discusses the analysis methodologies used to assess noise impacts.

FEDERAL HIGHWAY ADMINISTRATION (FHWA) TRAFFIC NOISE PREDICTION MODEL

Traffic noise from vehicular traffic was projected using a computer program that replicates the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA model arrives at the predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Existing, Existing Plus Project, General Plan Buildout (Post 2030) Without Project Conditions, and General Plan Buildout (Post 2030) With Project Conditions average daily traffic volumes were obtained from the *City of Perris Housing Implementation Measures Transportation Study* (Ganddini Group, Inc., May 12, 2023) ["Transportation Study"].

- Roadway classification – (e.g. freeway, major arterial, arterial, secondary, collector, etc.)
- Roadway Active Width – (distance between the center of the outer most travel lanes on each side of the roadway)
- Average Daily Traffic Volumes (ADT), Travel Speeds, Percentages of automobiles, medium trucks and heavy trucks
- Roadway grade and angle of view
- Site Conditions (e.g. soft vs. hard)
- Percentage of total ADT which flows each hour through-out a 24-hour period

Table 4 indicates the roadway parameters and vehicle distribution utilized for this study. The following outlines key adjustments to the REMEL for project site parameter inputs:

- Vertical and horizontal distances (Sensitive receptor distance from noise source)
- Noise barrier vertical and horizontal distances (Noise barrier distance from sound source and receptor).
- Traffic noise source spectra
- Topography

Roadway traffic noise levels were projected to the on-site receptors. The project noise calculation worksheets are included in Appendix D.

Table 4 (1 of 2)
Project Average Daily Traffic Volumes and Roadway Parameters

Roadway	Segment	Average Daily Traffic Volume[1]			Posted Speed Limit (MPH)	Site Conditions
		Existing	General Plan Buildout (Post 2030) Without Project Conditions	General Plan Buildout (Post 2030) With Project Conditions		
7th St	Redlands Ave to SR-74	4,100	4,600	8,800	25	Soft
A St	North of San Jacinto Ave	7,200	7,500	8,200	40	Soft
	San Jacinto Ave to 4th St (SR-74)	8,400	13,300	14,100	40	Soft
	4th St (SR-74) to 11th St	7,100	7,900	9,200	40	Soft
	11th St to Ellis Ave	5,500	7,900	11,700	40	Soft
	Ellis Ave to Mountain Ave	4,300	10,000	10,900	35	Soft
Case Rd	Perris Blvd to Goetz Rd	9,500	10,300	10,500	45	Soft
	Goetz Rd to Ellis Ave	9,200	10,500	10,700	55	Soft
	Ellis Ave to Murrieta Rd	8,600	17,700	18,700	55	Soft
	Murrieta Rd to I-215 Fwy	4,400	8,900	10,700	55	Soft
D St	I-215 Fwy to 4th St (SR-74)	21,800	23,400	28,200	35	Soft
	4th St (SR-74) to 11th St	4,100	8,900	12,600	30	Soft
Ellis Ave	SR-74 to A St	238	14,900	26,500	25	Soft
	A St to Goetz Rd	1,000	17,400	26,000	25	Soft
	Goetz Rd to Case Rd	100	17,800	24,300	25	Soft
	Case Rd to Redlands Ave	4,100	19,400	25,200	25	Soft
Ethanac Rd	Murrieta Rd to Green Valley Pkwy	20,000	20,000	21,900	50	Soft
	Green Valley Pkwy to I-215 Fwy	26,800	26,800	33,500	45	Soft
	I-215 Fwy to SR-74	13,000	18,700	21,600	45	Soft
G St	San Jacinto Ave to 4th St (SR-74)	2,700	23,100	23,300	25	Soft
	4th St (SR-74) to Case Rd	2,900	14,900	14,900	25	Soft
Jarvis Ave	Perris Blvd to Redlands Ave	4,400	5,000	5,200	35	Soft
Mountain Ave	McPherson Rd to A St	2,300	2,800	2,800	40	Soft
Murrieta Rd	Nuevo Rd to Evans Rd	4,800	7,200	7,600	35	Soft
Perris Blvd	Nuevo Rd to East Jarvis Ave	22,400	25,700	27,800	40	Soft
	East Jarvis Ave to San Jacinto Ave	18,600	27,900	29,900	35	Soft
	San Jacinto Ave to 4th St (SR-74)	15,100	24,000	25,700	35	Soft
	4th St (SR-74) to 11th St	8,200	8,200	9,900	35	Soft
	11th St to Ellis Ave	1,500	1,500	2,800	35	Soft
Redlands Ave	Nuevo Rd to East Jarvis Ave	12,100	24,700	28,100	45	Soft
	East Jarvis Ave to San Jacinto Ave	12,900	24,400	27,800	45	Soft
	San Jacinto Ave to I-215 Fwy	27,900	27,900	33,800	35	Soft
	I-215 Fwy to 4th St (SR-74)	27,000	27,000	33,000	35	Soft
	4th St (SR-74) to Ellis Ave	4,600	18,600	23,500	40	Soft

Table 4 (2 of 2)
Project Average Daily Traffic Volumes and Roadway Parameters

Roadway	Segment	Average Daily Traffic Volume[1]			Posted Speed Limit (MPH)	Site Conditions
		Existing	General Plan Buildout (Post 2030) Without Project Conditions	General Plan Buildout (Post 2030) With Project Conditions		
San Jacinto Ave	East of A St	772	6,000	7,700	25	Soft
	A St to D St	772	6,400	8,100	35	Soft
	D St to Perris Blvd	7,000	7,000	8,700	35	Soft
	Perris Blvd to G St	3,500	15,500	16,600	45	Soft
	G St to Redlands Ave	5,500	10,500	11,500	45	Soft
	Redlands Ave to Wilson Ave	16,500	16,500	19,300	45	Soft
	Wilson Ave to Evans Rd	13,700	13,700	14,700	45	Soft
SR-74	Ellis Ave to Navajo Rd	26,400	29,000	30,400	55	Soft
	Navajo Rd to A St	39,500	39,500	41,200	45	Soft
	A St to D St	34,200	34,500	35,900	35	Soft
	D St to Perris Blvd	22,100	22,100	23,100	35	Soft
	Perris Blvd to G St	18,600	18,600	19,500	35	Soft
	G St to Redlands Ave	21,000	21,000	22,300	35	Soft
Wilson Ave	Nuevo Rd to San Jacinto Ave	2,700	2,700	3,800	25	Soft

Notes:

(1) Existing average daily traffic, project average daily traffic volumes, General Plan Buildout (Post 2030) Without Project Conditions average daily traffic volumes, and General Plan Buildout (Post 2030) With Project Conditions average daily traffic volumes for the majority of the analyzed roadway segments were obtained from the *City of Perris Housing Implementation Measures Transporation Study* , Ganddini Group Inc. (May 12, 2023). Existing average daily traffic volumes for the roadway segments of Ellis Avenue SR-74 to A Street, San Jacinto Avenue East of A Street, and San Jacinto Avenue A Street to D Street were estimated using ambient noise measurements

(2) Vehicle distributions (vehicle mix based on the Riverside County Industrial Hygiene Letter for Traffic Noise):

Vehicle Distribution (Light Mix)			
Motor-Vehicle Type	Daytime % (7 AM-7 PM)	Evening % (7 PM-10 PM)	Night % (10 PM-7 AM)
Automobiles	75.56	13.96	10.49
Medium Trucks	48.91	2.17	48.91
Heavy Trucks	47.30	5.41	47.30

Vehicle Distribution (Heavy Mix)			
Motor-Vehicle Type	Daytime % (7 AM-7 PM)	Evening % (7 PM-10 PM)	Night % (10 PM-7 AM)
Automobiles	75.54	14.02	10.43
Medium Trucks	48.00	2.00	50.00
Heavy Trucks	48.00	2.00	50.00

6. NOISE IMPACTS

For the evaluation of project generated vehicle noise, California courts have rejected use of what is effectively a single "absolute noise level" threshold of significance (e.g., exceed 65 dBA CNEL) on the grounds that the use of such a threshold fails to consider the magnitude or severity of increases in noise levels attributable to the project in different environments (see *King and Gardiner Farms, LLC v. County of Kern* (2020) 45 Cal.App.5th 814). California courts have also upheld the use of "ambient plus increment" thresholds for assessing project noise impacts as consistent with CEQA, noting however, that the severity of existing noise levels should not be ignored by incorporating a smaller incremental threshold for areas where existing ambient noise levels were already high (see *Mission Bay Alliance v. Office of Community Investment and Infrastructure* (2016) 6 Cal.App.5th 160).

Consistent with the Perris Valley Commerce Center Specific Plan (PVCCSP) Environmental Impact Report (EIR), project roadway noise impacts shall be considered significant when the resulting noise levels at noise-sensitive land uses (e.g., residential, etc.):

- are less than 60 dBA CNEL and the project creates a 5 dBA CNEL or greater project-related level increase; or,
- exceed 60 dBA CNEL and the project creates a 3 dBA CNEL or greater project-related noise level increase.

In order to evaluate the significance of potential noise impacts to other land uses along the study roadway segments associated with development of full buildout potential of the proposed Housing Opportunity Areas (i.e., Project), the following scenarios were modeled and then compared:

- General Plan Buildout (Post 2030) Without Project: This scenario refers to traffic noise conditions associated with the existing General Plan buildout year.
- General Plan Buildout (Post 2030) With Project: This scenario refers to traffic noise conditions for General Plan buildout with full buildout potential of the proposed Housing Opportunity Areas (i.e., Project).

FHWA Traffic Noise Prediction Model calculation worksheets are provided in Appendix D.

MODELED TRAFFIC NOISE AND IMPACTS

General Plan buildout noise levels without and with project were compared to determine if the Project would result in a significant increase in noise levels at buildout that may affect other land uses and to determine if future noise levels will exceed the City's Land Use Compatibility Guidelines at the proposed Housing Opportunity areas.

Impacts to Other Land Uses

Table 5 shows the change in General Plan Buildout noise levels with the addition of project-generated operational trips. Modeled General Plan Buildout (Post 2030) Without Project traffic noise levels range between 58-79 dBA CNEL and the modeled General Plan Buildout (Post 2030) With Project traffic noise levels range between 60-79 dBA CNEL at the rights-of-way of studied roadway segments. The addition of Project trips is expected to increase buildout noise levels between 0 to 2.82 dB and is not expected to increase noise levels in excess of the applicable threshold at any of the modeled roadway segments (see Table 5). Program-level impacts related to vehicle traffic associated with development of full buildout potential of the proposed Housing Opportunity Areas would be less than significant. No mitigation is required.

Impacts to Future Housing Developments Within the Housing Opportunity Areas

Regarding noise/land use compatibility, nearly all of the studied roadway segments in the project area are expected to generate future noise levels that exceed the City's Land Use Compatibility Guidelines for Noise. The following mitigation measure is recommended to ensure future housing development proposals within the Housing Opportunity Areas are not significantly impacted by roadway traffic noise:

> **Mitigation Measure NOI-1**
> Individual housing development applications within the Housing Opportunity Areas shall require a project-level noise study be prepared by a professional noise analyst to assess interior noise levels and, if necessary, provide measures that would ensure interior noise levels do not exceed the State's interior noise requirement of 45 dBA CNEL.

Impacts to future housing developments within the Housing Opportunity Areas would be less than significant with implementation of Mitigation Measure NOI-1.

Table 5 (1 of 2)
General Plan Buildout Without and With Project Roadway Traffic Noise Levels (dBA CNEL)

Roadway	Segment	Distance from roadway centerline to ROW (feet)[1]	Modeled Noise Levels (at ROW) (dBA CNEL)[2]						
			General Plan Buildout Without Project	General Plan Buildout With Project	Change in Noise Level	Applicable Land Use Compatibility Criteria	ROW Exceeds Land Use Compatibility Criteria?[3]	Applicable Increase Threshold (dB)[4]	Significant Impact?
7th St	Redlands Ave to SR-74	33	62.5	65.4	2.8	60	Yes	3.0	No
A St	North of San Jacinto Ave	47	67.1	67.5	0.4	60	Yes	3.0	No
	San Jacinto Ave to 4th St (SR-74)	47	69.6	69.9	0.3	60	Yes	3.0	No
	4th St (SR-74) to 11th St	39	68.2	68.8	0.7	60	Yes	3.0	No
	11th St to Ellis Ave	39	68.2	69.9	1.7	60	Yes	3.0	No
	Ellis Ave to Mountain Ave	39	68.0	68.4	0.4	60	Yes	3.0	No
Case Rd	Perris Blvd to Goetz Rd	47	69.6	69.7	0.1	60	Yes	3.0	No
	Goetz Rd to Ellis Ave	47	71.7	71.8	0.1	65	Yes	3.0	No
	Ellis Ave to Murrieta Rd	47	74.0	74.2	0.2	60	Yes	3.0	No
	Murrieta Rd to I-215 Fwy	47	71.0	71.8	0.8	60	Yes	3.0	No
D St	I-215 Fwy to 4th St (SR-74)	47	70.9	71.7	0.8	60	Yes	3.0	No
	4th St (SR-74) to 11th St	33	66.9	68.4	1.5	60	Yes	3.0	No
Ellis Ave	SR-74 to A St	64	64.8	67.3	2.5	60	Yes	3.0	No
	A St to Goetz Rd	64	70.9	72.6	1.7	60	Yes	3.0	No
	Goetz Rd to Case Rd	64	65.5	66.9	1.3	65	No	3.0	No
	Case Rd to Redlands Ave	64	65.9	67.0	1.1	70	No	3.0	No
Ethanac Rd	Murrieta Rd to Green Valley Pkwy	92	74.0	74.4	0.4	60	Yes	3.0	No
	Green Valley Pkwy to I-215 Fwy	92	74.5	75.5	1.0	60	Yes	3.0	No
	I-215 Fwy to SR-74	92	69.3	69.9	0.6	60	Yes	3.0	No
G St	San Jacinto Ave to 4th St (SR-74)	33	69.5	69.6	0.0	60	Yes	3.0	No
	4th St (SR-74) to Case Rd	33	67.6	67.6	0.0	60	Yes	3.0	No
Jarvis Ave	Perris Blvd to Redlands Ave	33	65.7	65.9	0.2	60	Yes	3.0	No
Mountain Ave	McPherson Rd to A St	47	62.8	62.8	0.0	60	Yes	3.0	No
Murrieta Rd	Nuevo Rd to Evans Rd	39	66.5	66.8	0.2	60	Yes	3.0	No
Perris Blvd	Nuevo Rd to East Jarvis Ave	64	75.2	75.5	0.3	60	Yes	3.0	No
	East Jarvis Ave to San Jacinto Ave	64	74.8	75.1	0.3	60	Yes	3.0	No
	San Jacinto Ave to 4th St (SR-74)	64	74.1	74.4	0.3	60	Yes	3.0	No
	4th St (SR-74) to 11th St	64	65.0	65.8	0.8	60	Yes	3.0	No
	11th St to Ellis Ave	64	57.6	60.3	2.7	60	Yes	3.0	No
Redlands Ave	Nuevo Rd to East Jarvis Ave	64	75.8	76.3	0.6	60	Yes	3.0	No
	East Jarvis Ave to San Jacinto Ave	64	75.7	76.3	0.6	60	Yes	3.0	No
	San Jacinto Ave to I-215 Fwy	64	74.8	75.6	0.8	65	Yes	3.0	No
	I-215 Fwy to 4th St (SR-74)	64	74.6	75.5	0.9	65	Yes	3.0	No
	4th St (SR-74) to Ellis Ave	47	71.1	72.1	1.0	60	Yes	3.0	No

Table 5 (2 of 2)
General Plan Buildout Without and With Project Roadway Traffic Noise Levels (dBA CNEL)

Roadway	Segment	Distance from roadway centerline to ROW (feet)[1]	Modeled Noise Levels (at ROW) (dBA CNEL)[2]						
			General Plan Buildout Without Project	General Plan Buildout With Project	Change in Noise Level	Applicable Land Use Compatibility Criteria	ROW Exceeds Land Use Compatibility Criteria?[3]	Applicable Increase Threshold (dB)[4]	Significant Impact?
San Jacinto Ave	East of A St	47	62.2	63.2	1.1	60	No	3.0	No
	A St to D St	47	69.7	70.7	1.0	60	Yes	3.0	No
	D St to Perris Blvd	47	70.1	71.0	0.9	60	Yes	3.0	No
	Perris Blvd to G St	47	71.4	71.7	0.3	60	Yes	3.0	No
	G St to Redlands Ave	47	69.7	70.1	0.4	60	Yes	3.0	No
	Redlands Ave to Wilson Ave	64	70.3	71.0	0.7	65	Yes	3.0	No
	Wilson Ave to Evans Rd	64	69.5	69.8	0.3	60	Yes	3.0	No
SR-74	Ellis Ave to Navajo Rd	64	77.8	78.0	0.2	60	Yes	3.0	No
	Navajo Rd to A St	47	79.0	79.2	0.2	60	Yes	3.0	No
	A St to D St	47	76.6	76.8	0.2	60	Yes	3.0	No
	D St to Perris Blvd	47	74.7	74.9	0.2	65	Yes	3.0	No
	Perris Blvd to G St	47	73.9	74.1	0.2	65	Yes	3.0	No
	G St to Redlands Ave	47	74.5	74.7	0.3	65	Yes	3.0	No
Wilson Ave	Nuevo Rd to San Jacinto Ave	33	60.2	61.7	1.5	60	Yes	3.0	No

Notes:

(1) Right-of-way (ROW) per Figure 20 and Table 6 of the *City of Perris Housing Implementatin Measures Transportation Study* (Ganddini Group, Inc., May 12, 2023).

(2) Exterior noise levels calculated 5 feet above pad elevation, perpendicular to subject roadway.

(3) Applicable land use compatibility criteria based on the exisitng land uses located along the roadway segment and the City of Perris normally acceptable standards shown in Table 3.

(4) Pursuant to the Perris Valley Commerce Center Specific Plan (PVCCSP) environmental Impact Report (EIR), project roadway noise impacts shall be considered significant if any of the following occur as a direct result of the proposed development. When the resulting noise levels at noise-sensitive land uses (e.g., residential, etc.): are less than 60 dBA CNEL and the project creates a 5 dBA CNEL or greater project-related level increase or exceed 60 dBA CNEL and the project creates a 3 dBA CNEL or greater project-related noise level increase.

7. REFERENCES

California, State of, Department of Transportation
2020 Transportation and Construction Vibration Guidance Manual. April.

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2019 Chapter 12, Section 1206.4 Allowable Interior Noise Levels

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1974 "Information on Levels of Environmental Noise Requisite to Protect Public Health And Welfare with an Adequate Margin of Safety," EPA/ONAC 550/9-74-004, March 1974.

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Ganddini Group, Inc.
2023 City of Perris Housing Implementation Measures Transportation Study. May 12.

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2017 State of California General Plan Guidelines

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2005 City of Perris General Plan. August 30.
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Stautins, Carl
2014 Warehouse & Forklift Noise Exposure – Noise Testing. November 4, 2014.

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2006 FHWA Roadway Construction Noise Model User's Guide. January.

APPENDICES

Appendix A List of Acronyms
Appendix B Glossary
Appendix C Noise Measurement Field Worksheets
Appendix D FHWA Traffic Noise Model Worksheets

APPENDIX A

LIST OF ACRONYMS

Term	Definition
ADT	Average Daily Traffic
ANSI	American National Standard Institute
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
D/E/N	Day / Evening / Night
dB	Decibel
dBA or dB(A)	Decibel "A-Weighted"
dBA/DD	Decibel per Double Distance
dBA L_{eq}	Average Noise Level over a Period of Time
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
L_{02},L_{08},L_{50},L_{90}	A-weighted Noise Levels at 2 percent, 8 percent, 50 percent, and 90 percent, respectively, of the time period
DNL	Day-Night Average Noise Level
$L_{eq(x)}$	Equivalent Noise Level for '"x" period of time
L_{eq}	Equivalent Noise Level
L_{max}	Maximum Level of Noise (measured using a sound level meter)
L_{min}	Minimum Level of Noise (measured using a sound level meter)
Lp	Sound pressure level
LOS C	Level of Service C
Lw	Sound Power Level
OPR	California Governor's Office of Planning and Research
PPV	Peak Particle Velocities
RCNM	Road Construction Noise Model
REMEL	Reference Energy Mean Emission Level
RMS	Root Mean Square

APPENDIX B

GLOSSARY

Term	Definition
Ambient Noise Level	The all-encompassing noise environment associated with a given environment, at a specified time, usually a composite of sound from many sources, at many directions, near and far, in which usually no particular sound is dominant.
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear.
CNEL	Community Noise Equivalent Level. CNEL is a weighted 24-hour noise level that is obtained by adding five decibels to sound levels in the evening (7:00 PM to 10:00 PM), and by adding ten decibels to sound levels at night (10:00 PM to 7:00 AM). This weighting accounts for the increased human sensitivity to noise during the evening and nighttime hours.
Decibel, dB	A logarithmic unit of noise level measurement that relates the energy of a noise source to that of a constant reference level; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
DNL, Ldn	Day Night Level. The DNL, or Ldn is a weighted 24-hour noise level that is obtained by adding ten decibels to sound levels at night (10:00 PM to 7:00 AM). This weighting accounts for the increased human sensitivity to noise during the nighttime hours.
Equivalent Continuous Noise Level, L_{eq}	A level of steady state sound that in a stated time period, and a stated location, has the same A-weighted sound energy as the time-varying sound.
Fast/Slow Meter Response	The fast and slow meter responses are different settings on a sound level meter. The fast response setting takes a measurement every 100 milliseconds, while a slow setting takes one every second.
Frequency, Hertz	In a function periodic in time, the number of times that the quantity repeats itself in one second (i.e., the number of cycles per second).
L_{02}, L_{08}, L_{50}, L_{90}	The A-weighted noise levels that are equaled or exceeded by a fluctuating sound level, 2 percent, 8 percent, 50 percent, and 90 percent of a stated time period, respectively.
L_{max}, L_{min}	Lmax is the RMS (root mean squared) maximum level of a noise source or environment measured on a sound level meter, during a designated time interval, using fast meter response. Lmin is the minimum level.
Offensive/ Offending/Intrusive Noise	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of sound depends on its amplitude, duration, frequency, and time of occurrence, and tonal information content as well as the prevailing ambient noise level.
Root Mean Square (RMS)	A measure of the magnitude of a varying noise source quantity. The name derives from the calculation of the square root of the mean of the squares of the values. It can be calculated from either a series of lone values or a continuous varying function.

APPENDIX C

NOISE MEASUREMENT FIELD WORKSHEETS

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM1 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: Ruby Road & Jarvis Street, Perris, CA 92571

Site Description (Type of Existing Land Use and any other notable features): Measurement Site: Just S of intersection Ruby Road & Jarvis Street on NW corner of Palms Elementary School. Adjacent: Palms Elementary to southeast, vacant land to southwest, E Jarvis St to north with multi-family residnetial further north.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 85 deg F **Wind:** 1 mph **Humidity:** 41% **Terrain:** Flat

Start Time: 9:02 AM **End Time:** 9:17 AM **Run Time:**

Leq: 61.4 dB

Lmax 77.8 dB

L2 66.1 dB

L8 64.1 dB

L25 62.0 dB

L50 59.6 dB

Primary Noise Source: Traffic noise from the 44 vehicles passing microphone, traveling through Ruby Road & Jarvis Street intersection.

Secondary Noise Sources: Tree trimming underway outside the elementary school ~300' to the N, chain saws, mulchers & leafblowers in operation. Bird song. Residential ambiance.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM1 looking N over W crosswalk to E Jarvis Street & Ruby Road intersection (on the right).

NM1 looking NW across Jarvis Street towards Perris Family Apartments, 180 E Jarvis Street, Perris.

Summary	
File Name on Meter	LxT_Data.296.s
File Name on PC	LxT_0003099-20230726 090238-LxT_Data.296.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM1 33°47'30.99"N 117°13'18.66"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 09:02:38
Stop	2023-07-26 09:17:38
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 09:02:17
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
LA_{eq}	61.4		
LAE	91.0		
EA	139.507	µPa²h	
EA8	4.464	mPa²h	
EA40	22.321	mPa²h	
$LA_{peak\ (max)}$	2023-07-26 09:10:34	89.6	dB
LAS_{max}	2023-07-26 09:10:34	77.8	dB
LAS_{min}	2023-07-26 09:17:37	55.0	dB

		Statistics	
LC_{eq}	71.7 dB	**LA2.00**	66.1 dB
LA_{eq}	61.4 dB	**LA8.00**	64.1 dB
LC_{eq} - LA_{eq}	10.3 dB	**LA25.00**	62.0 dB
LAI_{eq}	62.8 dB	**LA50.00**	59.6 dB
LA_{eq}	61.4 dB	**LA66.60**	58.6 dB
LAI_{eq} - LA_{eq}	1.3 dB	**LA90.00**	57.4 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.296.s	Computer's File Name	LxT_0003099-20230726 090238-LxT_Data.296.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM1 33°47'30.99"N 117°13'18.66"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 09:02:38	Duration	0:15:00.0
End Time	2023-07-26 09:17:38	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	61.4 dB		
LAE	91.0 dB	SEA	--- dB
EA	139.5 µPa²h	LAFTM5	65.3 dB
EA8	4.5 mPa²h		
EA40	22.3 mPa²h		
LA_{peak}	89.6 dB	2023-07-26 09:10:34	
LAS_{max}	77.8 dB	2023-07-26 09:10:34	
LAS_{min}	55.0 dB	2023-07-26 09:17:37	
LA_{eq}	61.4 dB		
LC_{eq}	71.7 dB	LC_{eq} - LA_{eq}	10.3 dB
LAI_{eq}	62.8 dB	LAI_{eq} - LA_{eq}	1.3 dB

Exceedances	Count	Duration
LAS > 65.0 dB	20	0:01:03.9
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

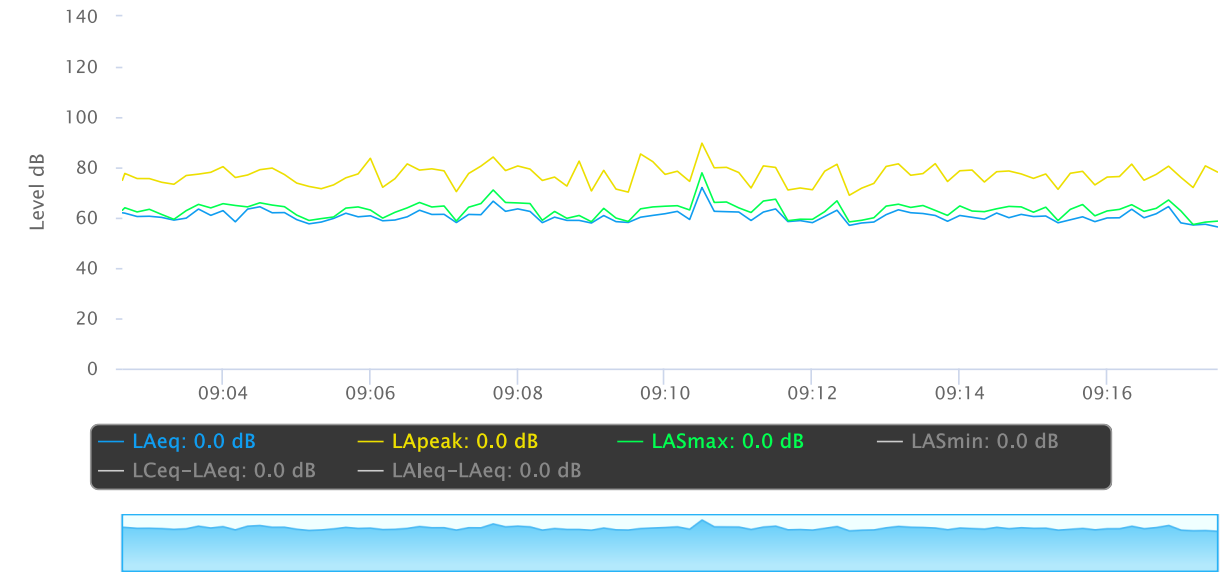
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	61.4 dB		71.7 dB		--- dB	
$L_{S(max)}$	77.8 dB	2023-07-26 09:10:34	--- dB		--- dB	
$L_{S(min)}$	55.0 dB	2023-07-26 09:17:37	--- dB		--- dB	
$L_{Peak(max)}$	89.6 dB	2023-07-26 09:10:34	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	66.1 dB
LAS 8.0	64.1 dB
LAS 25.0	62.0 dB
LAS 50.0	59.6 dB
LAS 66.6	58.6 dB
LAS 90.0	57.4 dB

Time History



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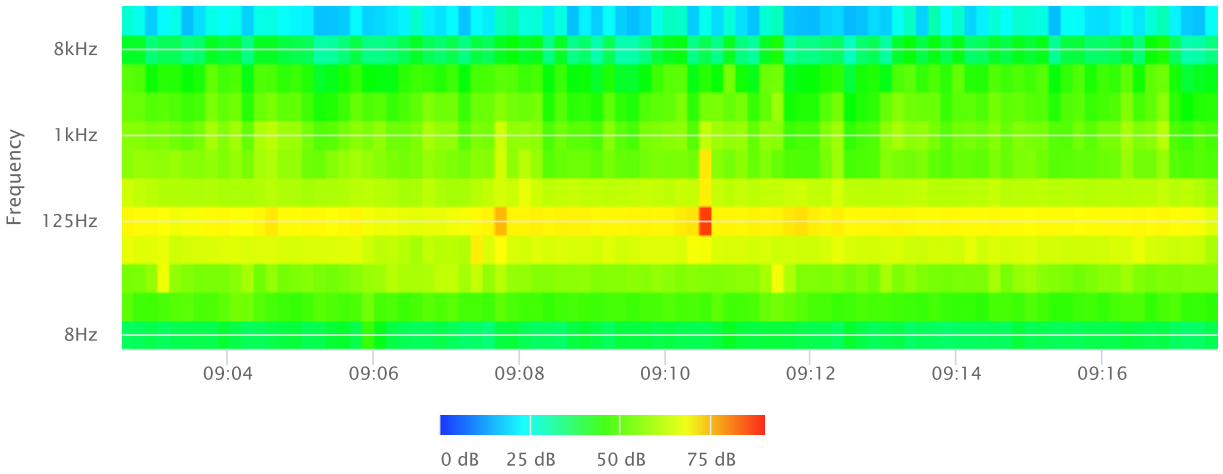

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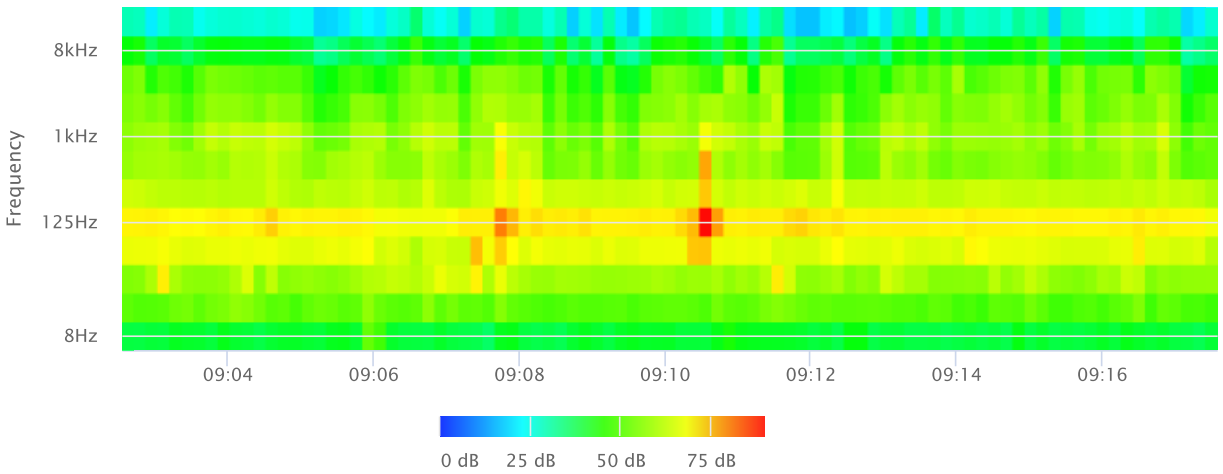

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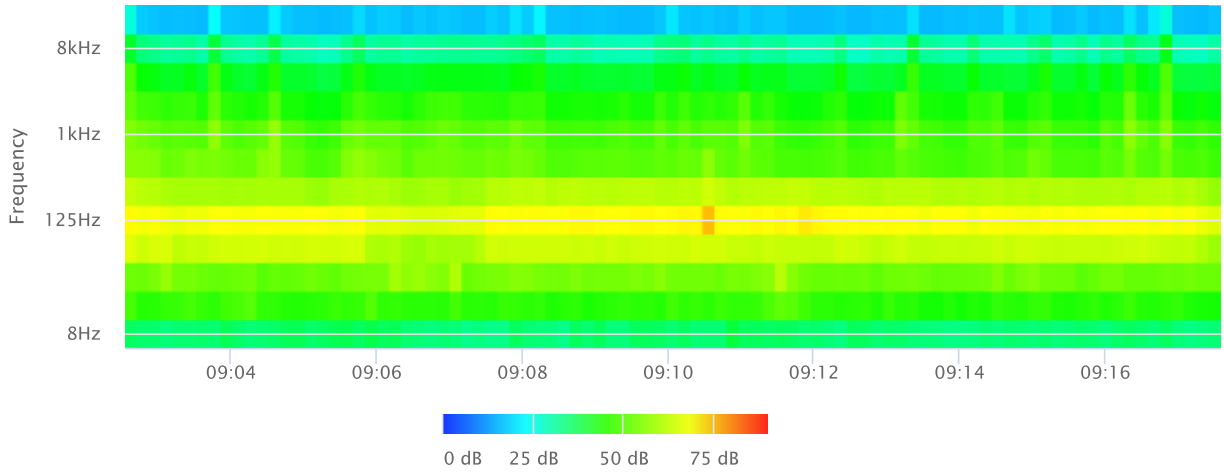
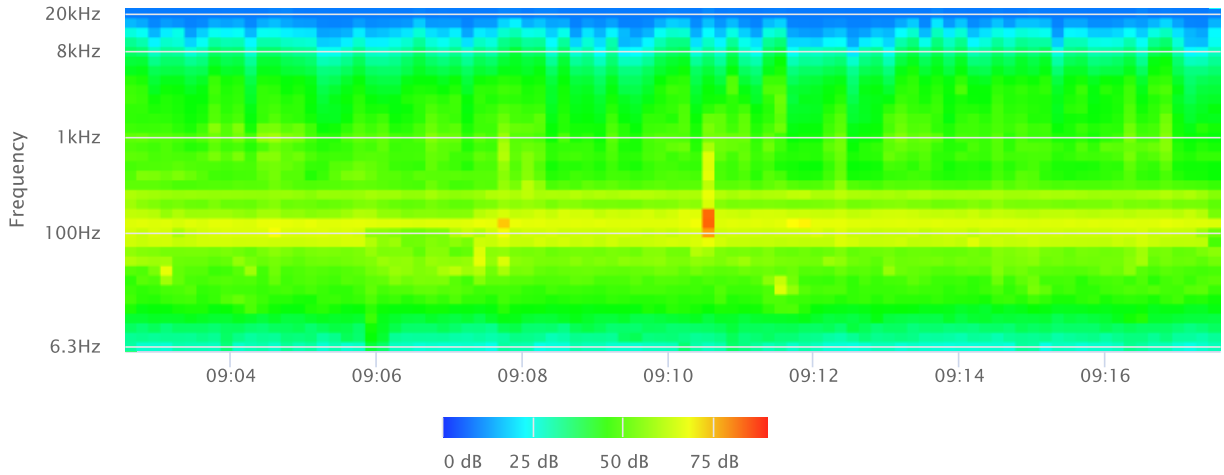
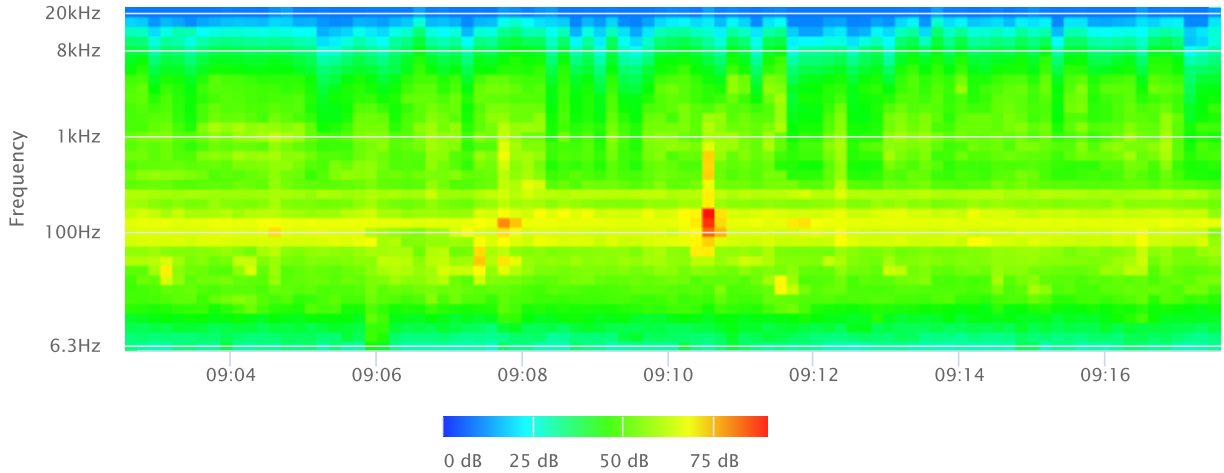


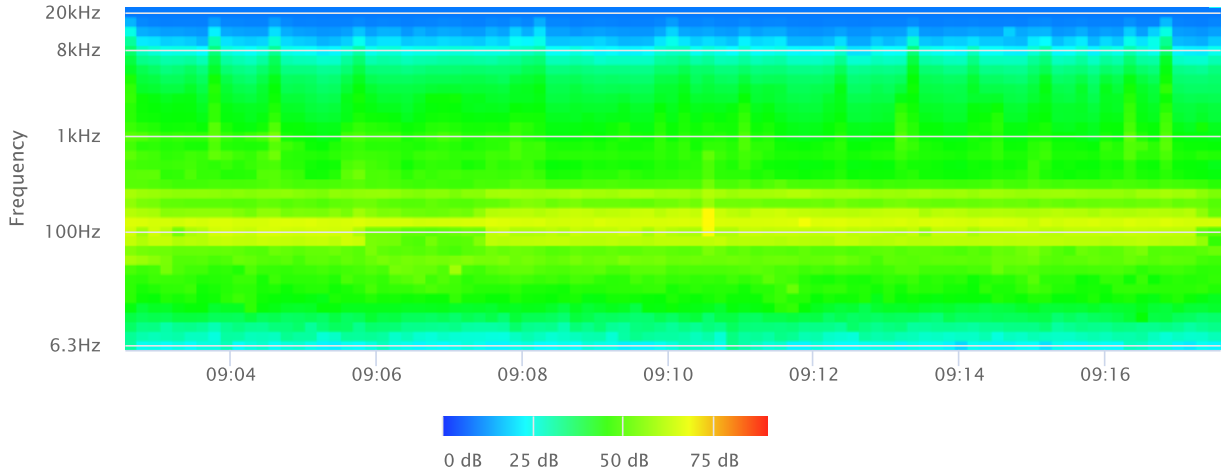
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
09:04
09:06
09:08
09:10
09:12
09:14
09:16
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM2 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 428 Wilson Avenue, Perris, 92571

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just E of frontyard to residence 458 Wilson Ave, located on sidewalk. Adjacent: Wilson Ave running N-S just East of NM2. Residential to the E and open land on other side of Wilson Ave to the W.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 87 deg F **Wind:** 1 mph **Humidity:** 41% **Terrain:** Flat

Start Time: 9:42 AM **End Time:** 9:57 AM **Run Time:**

Leq: 57.7 dB
Lmax 75.4 dB
L2 69.2 dB
L8 61.9 dB
L25 48.4 dB
L50 41.5 dB

Primary Noise Source: Traffic noise from the 18 vehicles passing microphone, traveling along Wilson Avenue during 15 minute measurement.

Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wind propeller planes.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM2 looking S down Wilson Avenue towards Dale Street intersection (~160' S).

NM2 looking SW towards frontlawn of residence 428 Wilson Avenue, Perris.

Summary	
File Name on Meter	LxT_Data.297.s
File Name on PC	LxT_0003099-20230726 094235-LxT_Data.297.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM2 33°47'26.46"N 117°12'47.22"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 09:42:35
Stop	2023-07-26 09:57:35
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 09:42:16
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
LA_{eq}	57.7		
LAE	87.2		
EA	58.761	µPa²h	
EA8	1.880	mPa²h	
EA40	9.402	mPa²h	
$LA_{peak\ (max)}$	2023-07-26 09:45:04	89.9	dB
LAS_{max}	2023-07-26 09:45:04	75.4	dB
LAS_{min}	2023-07-26 09:50:26	33.3	dB

			Statistics		
LC_{eq}	63.6	dB	**LA2.00**	69.2	dB
LA_{eq}	57.7	dB	**LA8.00**	61.9	dB
LC_{eq} - LA_{eq}	5.9	dB	**LA25.00**	48.4	dB
LAI_{eq}	59.9	dB	**LA50.00**	41.5	dB
LA_{eq}	57.7	dB	**LA66.60**	39.2	dB
LAI_{eq} - LA_{eq}	2.2	dB	**LA90.00**	37.6	dB
Overload Count	0				

Measurement Report

Report Summary

Meter's File Name	LxT_Data.297.s	Computer's File Name	LxT_0003099-20230726 094235-LxT_Data.297.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM2 33°47'26.46"N 117°12'47.22"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 09:42:35	Duration	0:15:00.0
End Time	2023-07-26 09:57:35	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	57.7 dB		
LAE	87.2 dB	SEA	--- dB
EA	58.8 µPa²h	LAFTM5	63.0 dB
EA8	1.9 mPa²h		
EA40	9.4 mPa²h		
LA_{peak}	89.9 dB	2023-07-26 09:45:04	
LAS_{max}	75.4 dB	2023-07-26 09:45:04	
LAS_{min}	33.3 dB	2023-07-26 09:50:26	
LA_{eq}	57.7 dB		
LC_{eq}	63.6 dB	LC_{eq} - LA_{eq}	5.9 dB
LAI_{eq}	59.9 dB	LAI_{eq} - LA_{eq}	2.2 dB

Exceedances	Count	Duration
LAS > 65.0 dB	14	0:01:00.3
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

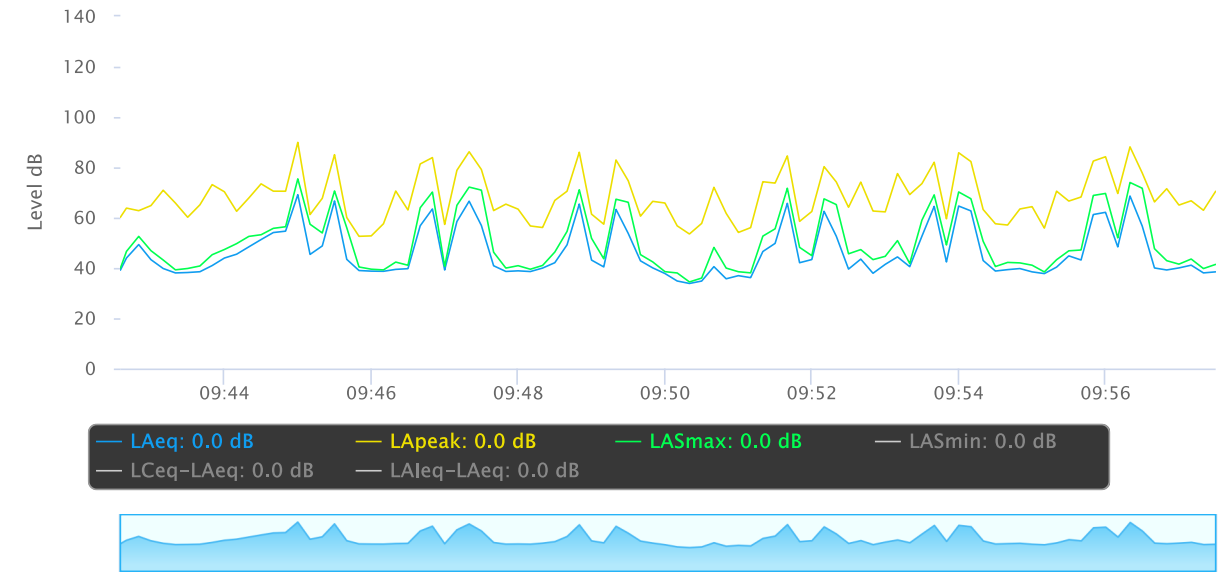
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	57.7 dB		63.6 dB		--- dB	
$L_{S(max)}$	75.4 dB	2023-07-26 09:45:04	--- dB		--- dB	
$L_{S(min)}$	33.3 dB	2023-07-26 09:50:26	--- dB		--- dB	
$L_{Peak(max)}$	89.9 dB	2023-07-26 09:45:04	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

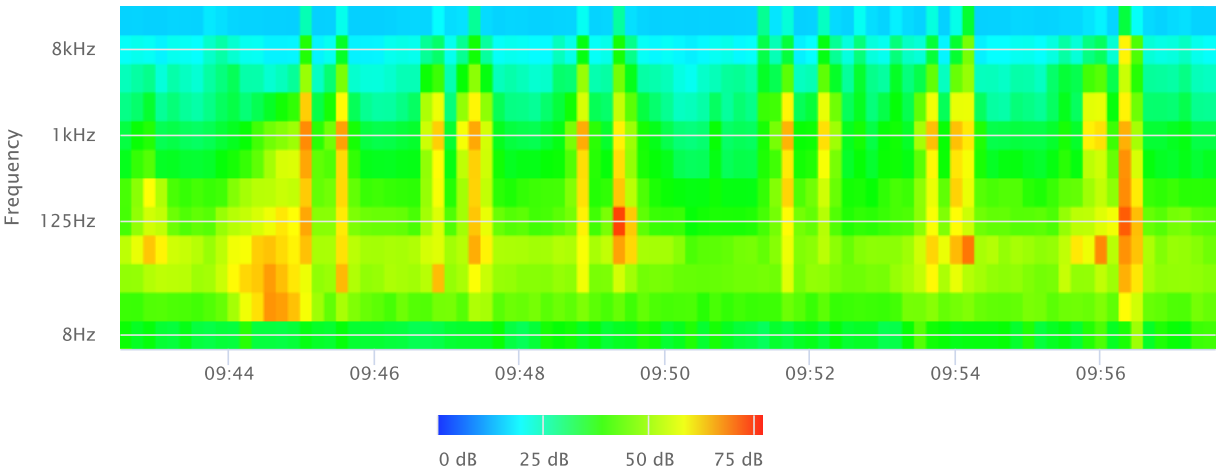
Statistics

LAS 2.0	69.2 dB
LAS 8.0	61.9 dB
LAS 25.0	48.4 dB
LAS 50.0	41.5 dB
LAS 66.6	39.2 dB
LAS 90.0	37.6 dB

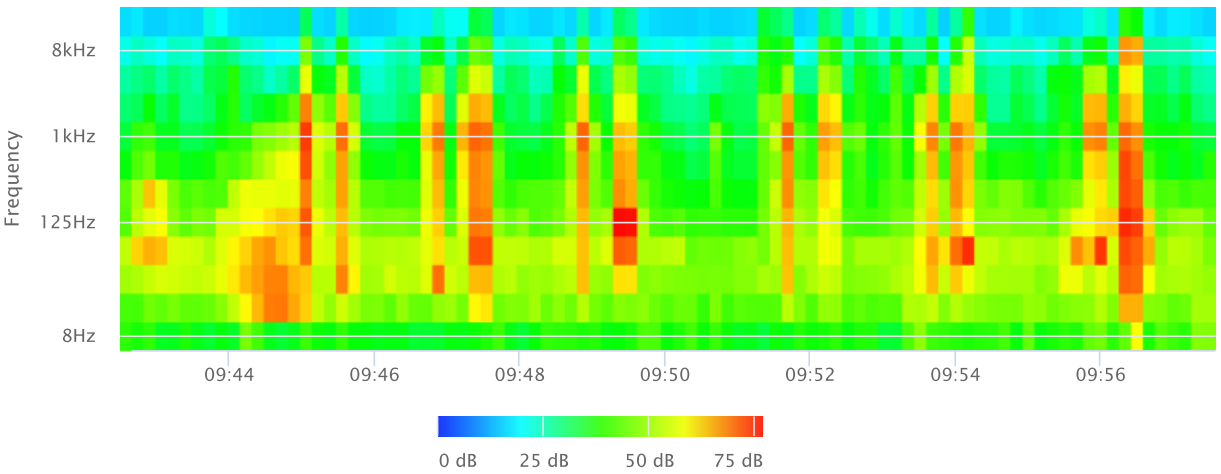
Time History



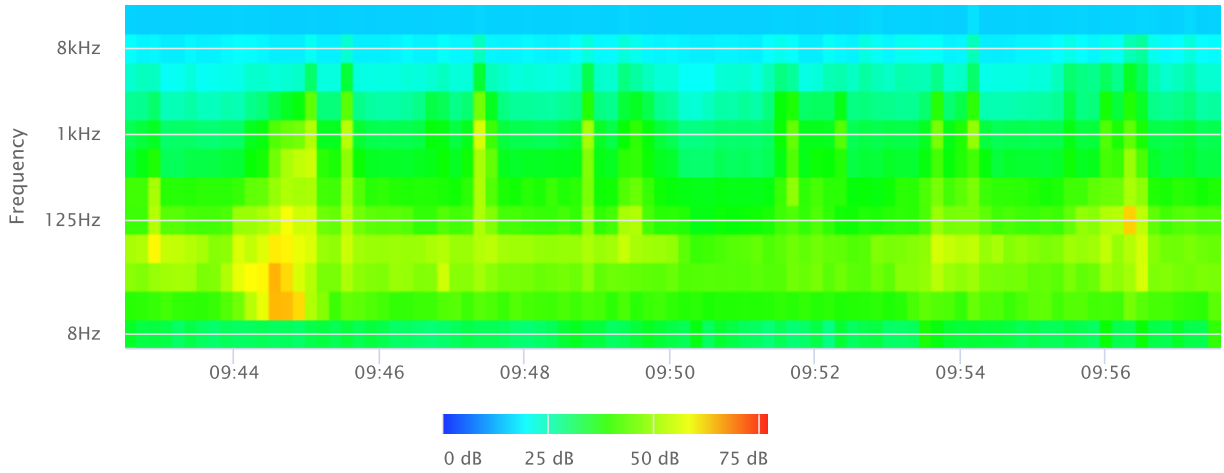
OBA 1/1 Leq



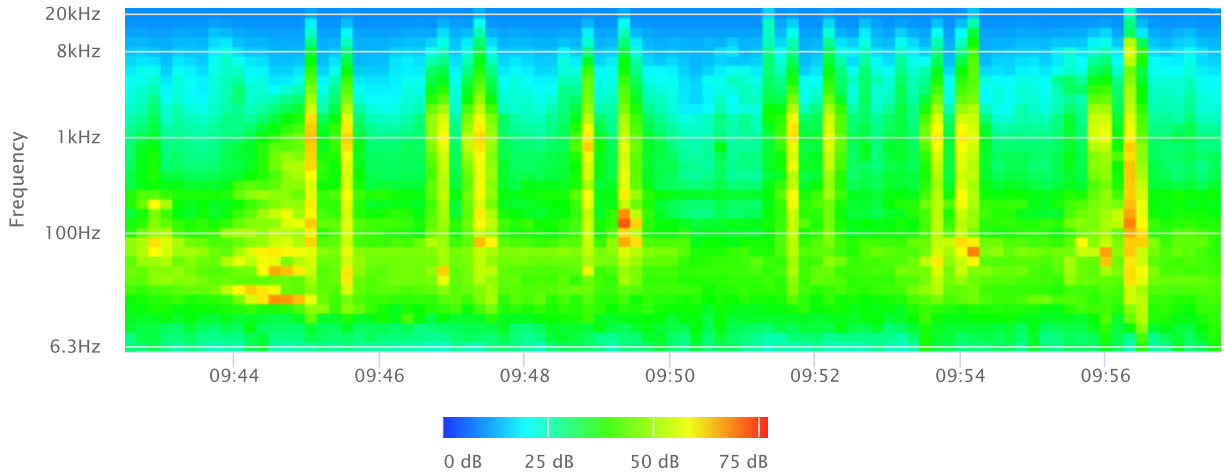
OBA 1/1 Lmax



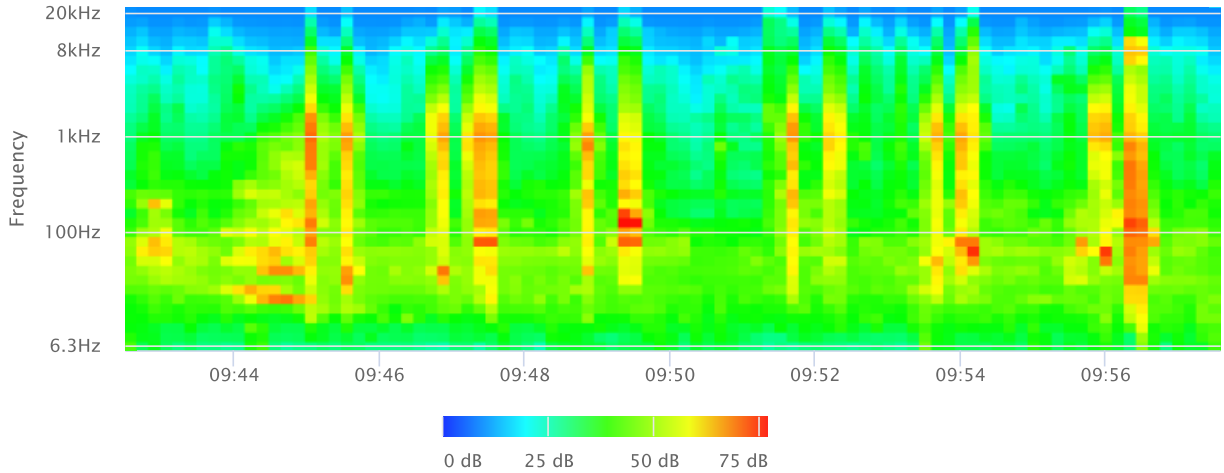
OBA 1/1 Lmin



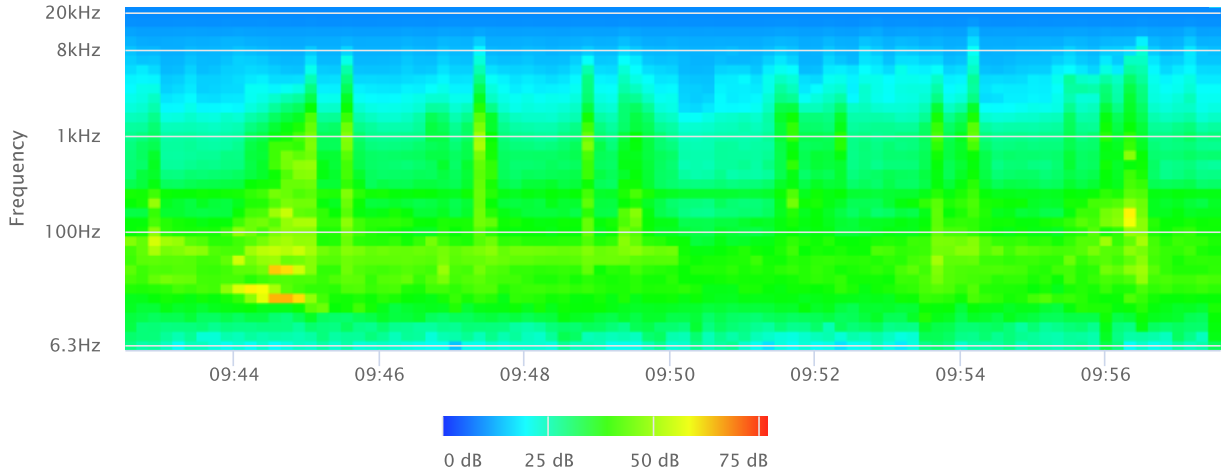
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
09:44
09:46
09:48
09:50
09:52
09:54
09:56
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM3 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 631 Passiflora Drive, Perris, CA 92571

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just S of backyard to residence 631 Passiflora Dr, behind concrete block wall, located on sidewalk. Adjacent: E San Jacinto Ave running E-W just S of NM3. Residential to the N & open land on other side of E San Jacinto Ave to S.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 90 deg F **Wind:** 1 mph **Humidity:** 39% **Terrain:** Flat

Start Time: 10:19 AM **End Time:** 10:34 AM **Run Time:**

Leq:	67.5	dB
Lmax	83.6	dB
L2	74.8	dB
L8	71.3	dB
L25	68.2	dB
L50	64.2	dB

Primary Noise Source: Traffic noise from the 152 vehicles passing microphone, traveling along E San Jacinto Avenue during 15 minute measurement.

Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wing propeller planes.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

Adjacent: E herside of

NM3 looking W down E San Jacinto Ave towards Wilson Ave intersection (~210').

NM3 looking N towards 6' high concrete block wall to backyard of residence 631 Passiflora Drive, Perris.

Summary	
File Name on Meter	LxT_Data.298.s
File Name on PC	LxT_0003099-20230726 101930-LxT_Data.298.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM3 33°47'12.26"N 117°12'44.29"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 10:19:30
Stop	2023-07-26 10:34:30
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 10:19:13
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.7 dB

Results			
LA_{eq}	67.5		
LAE	97.0		
EA	556.010 µPa²h		
EA8	17.792 mPa²h		
EA40	88.962 mPa²h		
$LA_{peak\ (max)}$	2023-07-26 10:26:24	96.3 dB	
LAS_{max}	2023-07-26 10:26:24	83.6 dB	
LAS_{min}	2023-07-26 10:20:59	44.1 dB	

		Statistics	
LC_{eq}	72.9 dB	**LA2.00**	74.8 dB
LA_{eq}	67.5 dB	**LA8.00**	71.3 dB
LC_{eq} - LA_{eq}	5.5 dB	**LA25.00**	68.2 dB
LAI_{eq}	69.1 dB	**LA50.00**	64.2 dB
LA_{eq}	67.5 dB	**LA66.60**	60.1 dB
LAI_{eq} - LA_{eq}	1.7 dB	**LA90.00**	51.2 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.298.s	Computer's File Name	LxT_0003099-20230726 101930-LxT_Data.298.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM3 33°47'12.26"N 117°12'44.29"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 10:19:30	Duration	0:15:00.0
End Time	2023-07-26 10:34:30	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	67.5 dB		
LAE	97.0 dB	SEA	--- dB
EA	556.0 µPa²h	LAFTM5	72.6 dB
EA8	17.8 mPa²h		
EA40	89.0 mPa²h		
LA_{peak}	96.3 dB	2023-07-26 10:26:24	
LAS_{max}	83.6 dB	2023-07-26 10:26:24	
LAS_{min}	44.1 dB	2023-07-26 10:20:59	
LA_{eq}	67.5 dB		
LC_{eq}	72.9 dB	LC_{eq} - LA_{eq}	5.5 dB
LAI_{eq}	69.1 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances	Count	Duration
LAS > 65.0 dB	44	0:07:54.6
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

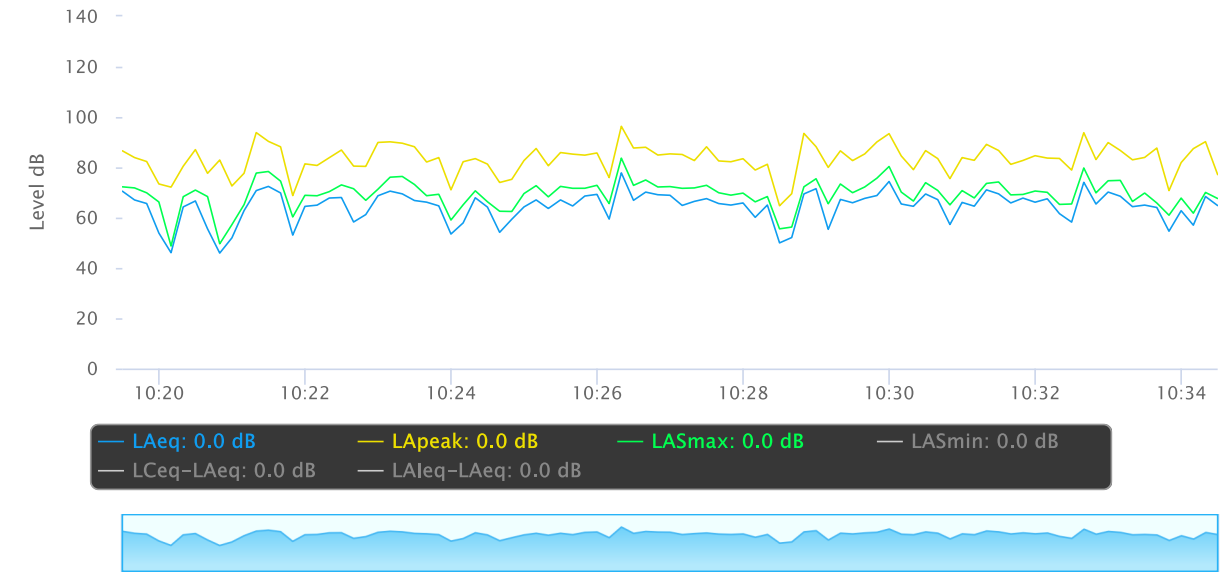
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	67.5 dB		72.9 dB		--- dB	
$L_{S(max)}$	83.6 dB	2023-07-26 10:26:24	--- dB		--- dB	
$L_{S(min)}$	44.1 dB	2023-07-26 10:20:59	--- dB		--- dB	
$L_{Peak(max)}$	96.3 dB	2023-07-26 10:26:24	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

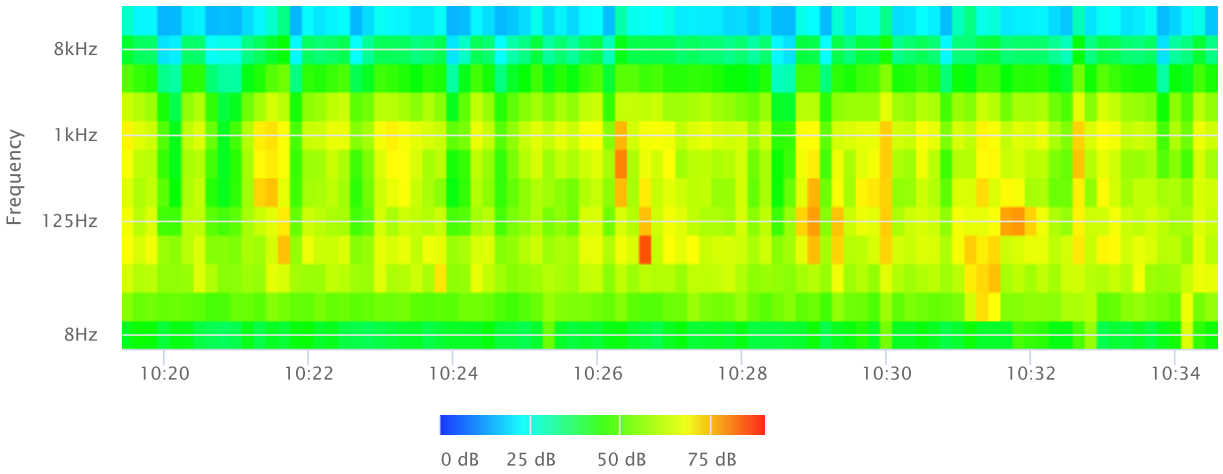
Statistics

LAS 2.0	74.8 dB
LAS 8.0	71.3 dB
LAS 25.0	68.2 dB
LAS 50.0	64.2 dB
LAS 66.6	60.1 dB
LAS 90.0	51.2 dB

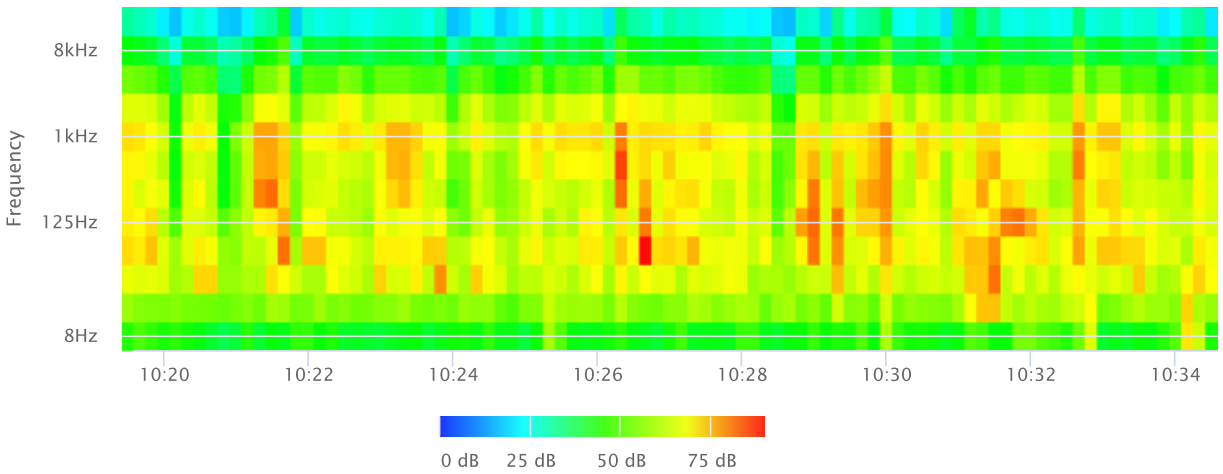
Time History



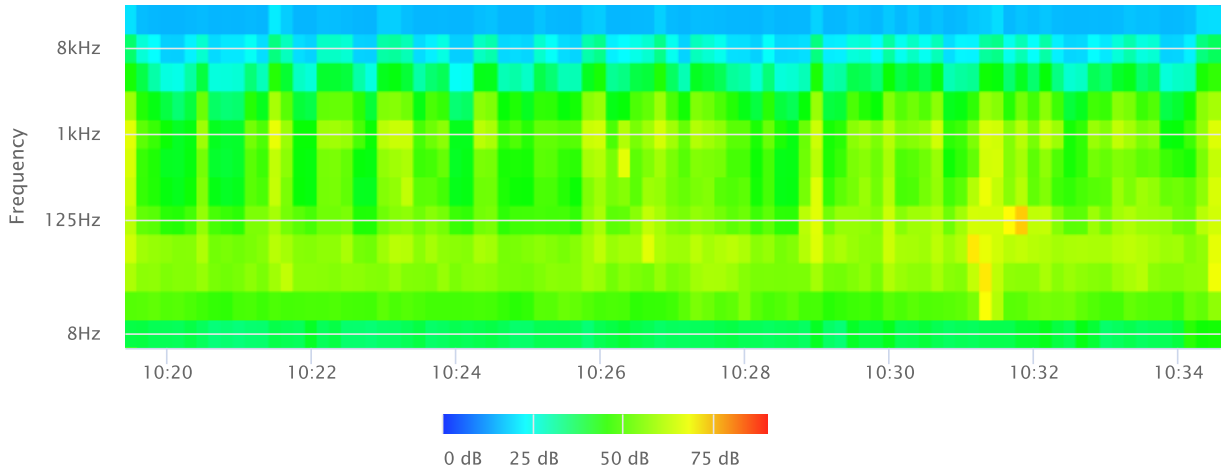
OBA 1/1 Leq



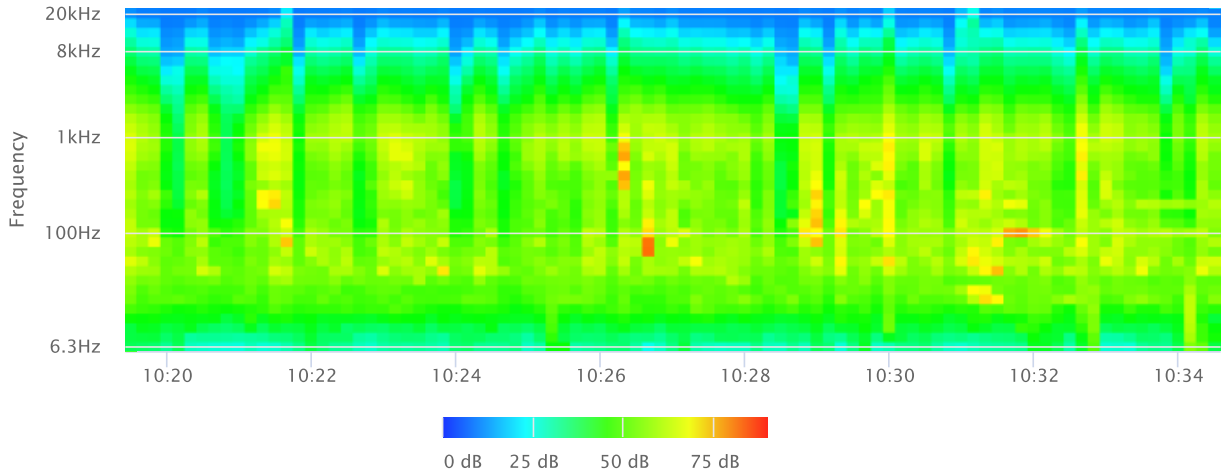
OBA 1/1 Lmax



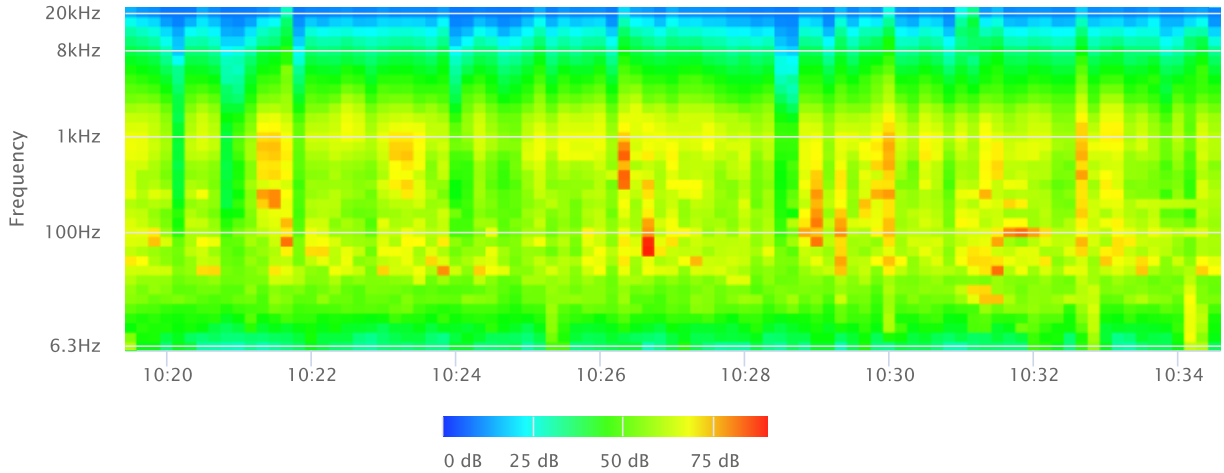
OBA 1/1 Lmin



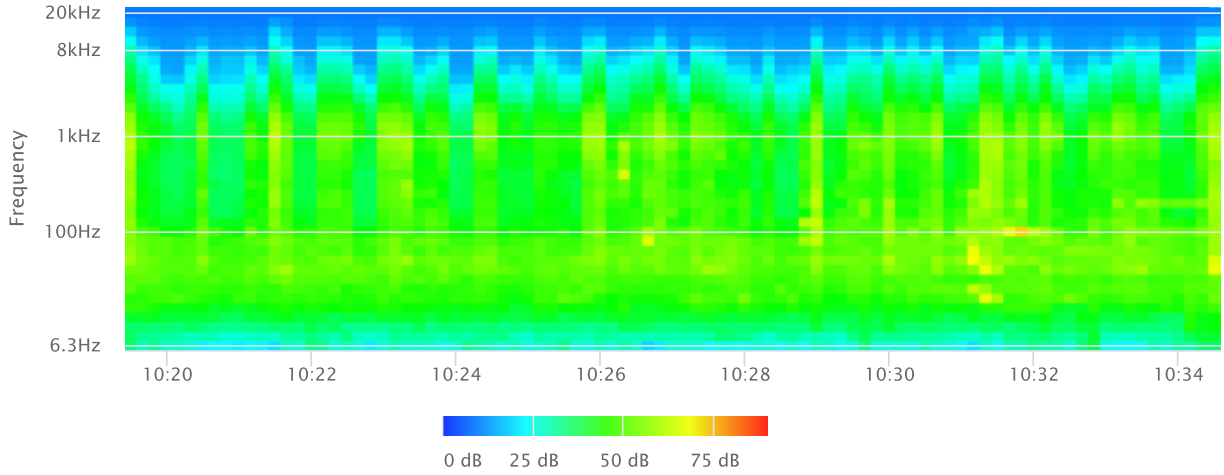
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
10:20
10:22
10:24
10:26
10:28
10:30
10:32
10:34
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM4 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 225 S G Street , Perris, CA 92571

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just W of frontyard of multi-family residence 225 S G Street, located on sidewalk. Adjacent: S G Street running N-S just W of NM4. Residential to the E & commercial on other side of S Green Street to the W.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 92 deg F **Wind:** 1 mph **Humidity:** 39% **Terrain:** Flat

Start Time: 11:00 AM **End Time:** 11:15 AM **Run Time:**

Leq: 68.2 dB

Lmax 86.1 dB

L2 78.9 dB

L8 70.7 dB

L25 62.1 dB

L50 55.4 dB

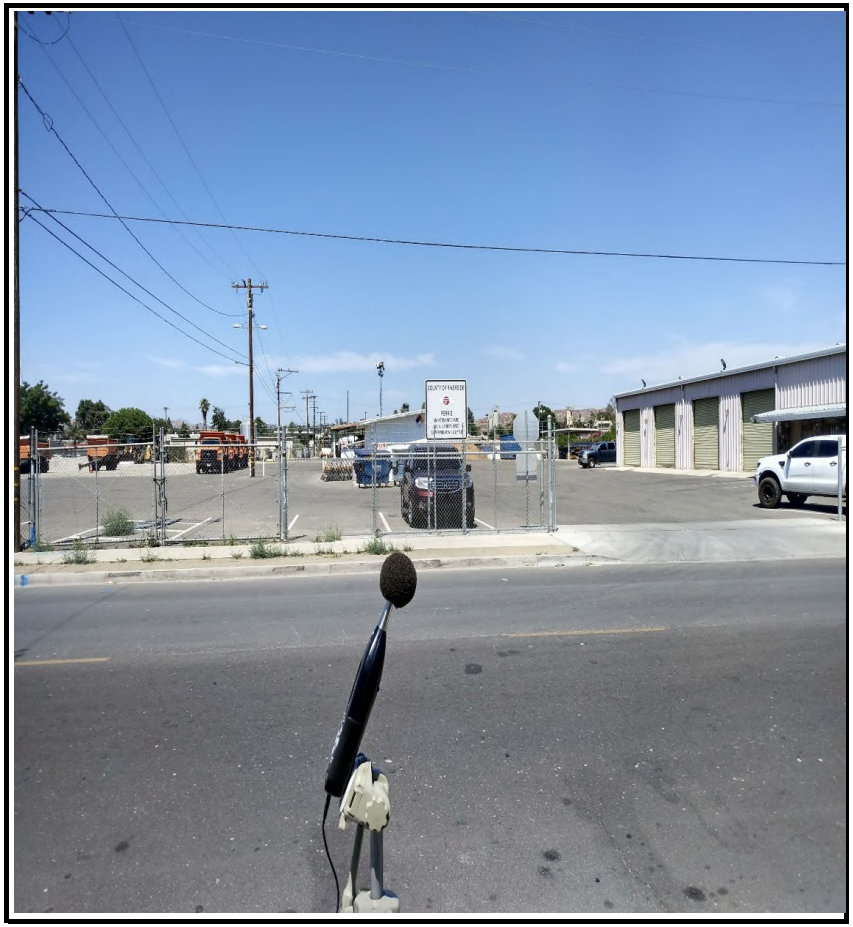
Primary Noise Source: Traffic noise from the 40 vehicles passing microphone, traveling along S G Street during 15 minute measurement.

Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wing propeller planes.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:



NM4 looking W across S G Street towards maintenance yard 220 S G Street, Perris.

NM4 looking E across frontyard to multi-family residence 225 S G Street, Perris.

Summary	
File Name on Meter	LxT_Data.299.s
File Name on PC	LxT_0003099-20230726 110018-LxT_Data.299.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM4 33°47'2.46"N 117°13'18.04"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 11:00:18
Stop	2023-07-26 11:15:18
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 10:59:50
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
L_{Aeq}	68.2		
LAE	97.8		
EA	667.156 µPa²h		
EA8	21.349 mPa²h		
EA40	106.745 mPa²h		
$L_{Apeak\ (max)}$	2023-07-26 11:15:12	98.8 dB	
L_{ASmax}	2023-07-26 11:15:12	86.1 dB	
L_{ASmin}	2023-07-26 11:03:09	45.1 dB	

		Statistics	
L_{Ceq}	74.4 dB	**LA2.00**	78.9 dB
L_{Aeq}	68.2 dB	**LA8.00**	70.7 dB
L_{Ceq} - L_{Aeq}	6.2 dB	**LA25.00**	62.1 dB
L_{AIeq}	69.7 dB	**LA50.00**	55.4 dB
L_{Aeq}	68.2 dB	**LA66.60**	51.9 dB
L_{AIeq} - L_{Aeq}	1.4 dB	**LA90.00**	47.7 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.299.s	Computer's File Name	LxT_0003099-20230726 110018-LxT_Data.299.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM4 33°47'2.46"N 117°13'18.04"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 11:00:18	Duration	0:15:00.0
End Time	2023-07-26 11:15:18	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	68.2 dB		
LAE	97.8 dB	SEA	--- dB
EA	667.2 µPa²h	LAFTM5	73.0 dB
EA8	21.3 mPa²h		
EA40	106.7 mPa²h		
LA_{peak}	98.8 dB	2023-07-26 11:15:12	
LAS_{max}	86.1 dB	2023-07-26 11:15:12	
LAS_{min}	45.1 dB	2023-07-26 11:03:09	
LA_{eq}	68.2 dB		
LC_{eq}	74.4 dB	LC_{eq} - LA_{eq}	6.2 dB
LAI_{eq}	69.7 dB	LAI_{eq} - LA_{eq}	1.4 dB

Exceedances	Count	Duration
LAS > 65.0 dB	27	0:02:58.2
LAS > 85.0 dB	1	0:00:04.6
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

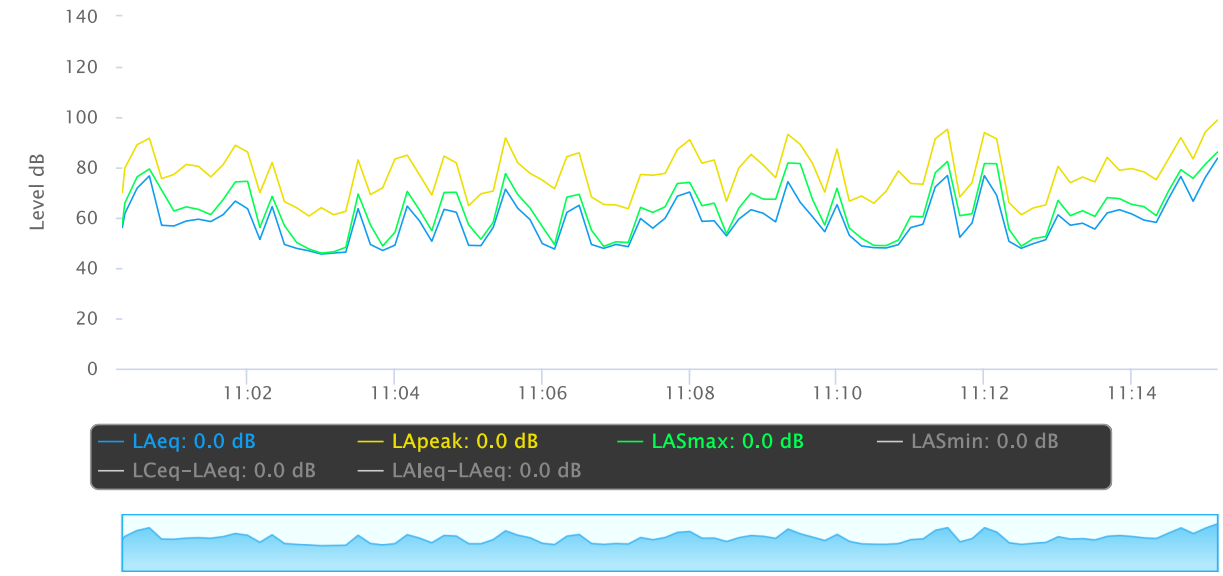
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	68.2 dB		74.4 dB		--- dB	
$L_{S(max)}$	86.1 dB	2023-07-26 11:15:12	--- dB		--- dB	
$L_{S(min)}$	45.1 dB	2023-07-26 11:03:09	--- dB		--- dB	
$L_{Peak(max)}$	98.8 dB	2023-07-26 11:15:12	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

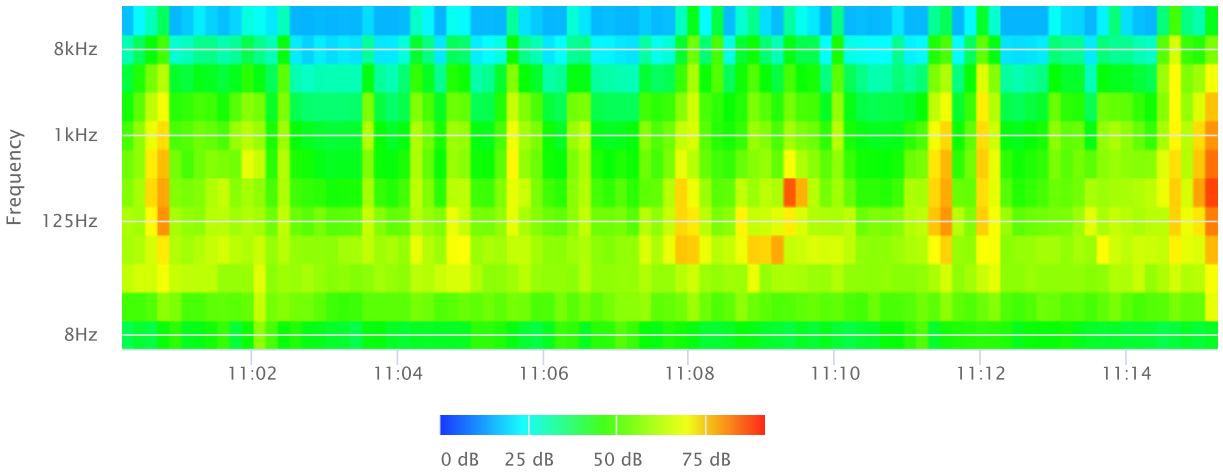
Statistics

LAS 2.0	78.9 dB
LAS 8.0	70.7 dB
LAS 25.0	62.1 dB
LAS 50.0	55.4 dB
LAS 66.6	51.9 dB
LAS 90.0	47.7 dB

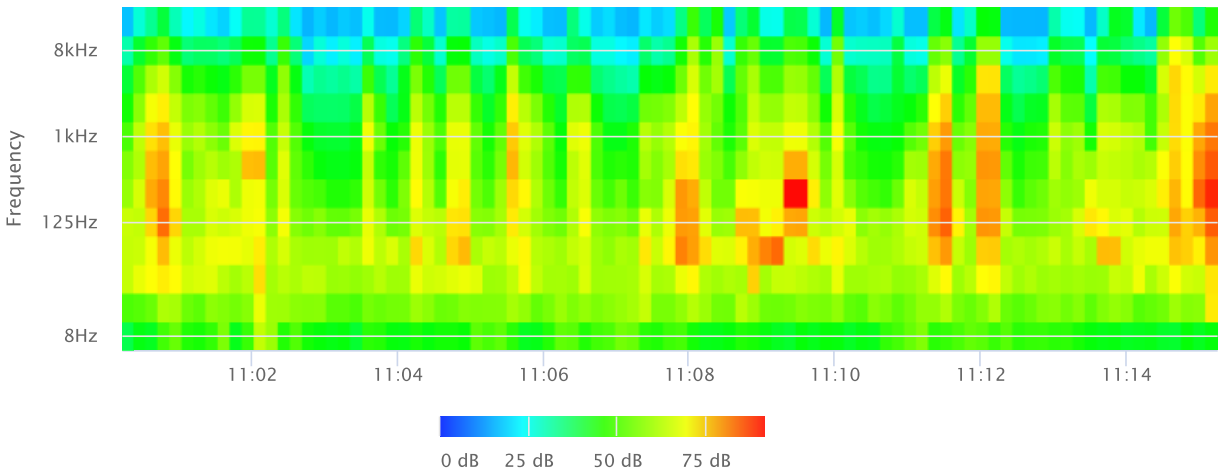
Time History



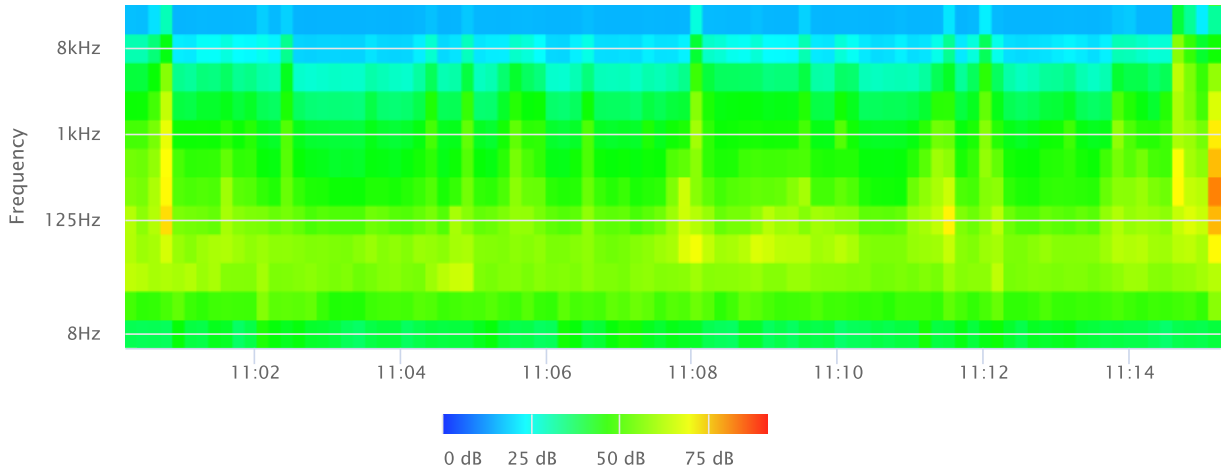
OBA 1/1 Leq



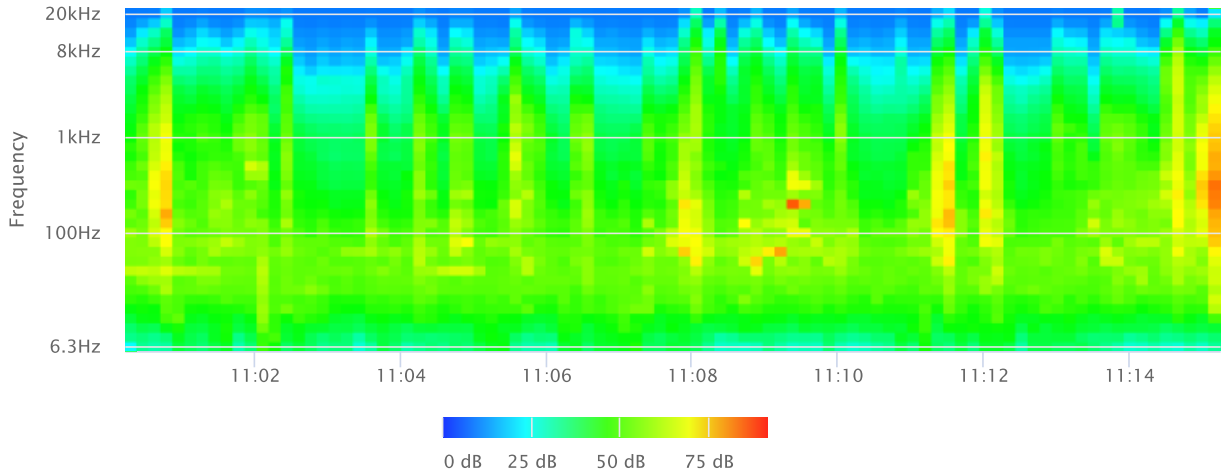
OBA 1/1 Lmax



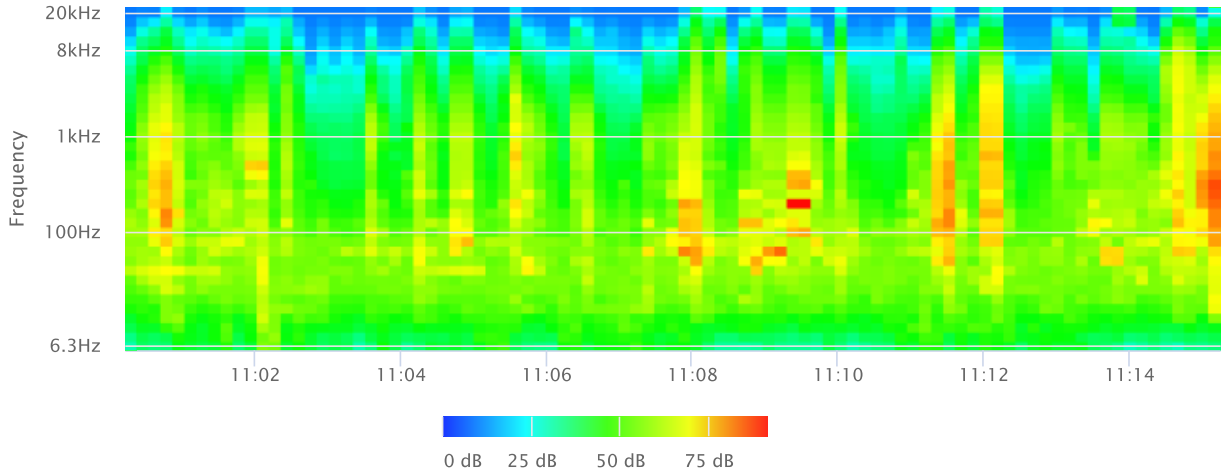
OBA 1/1 Lmin



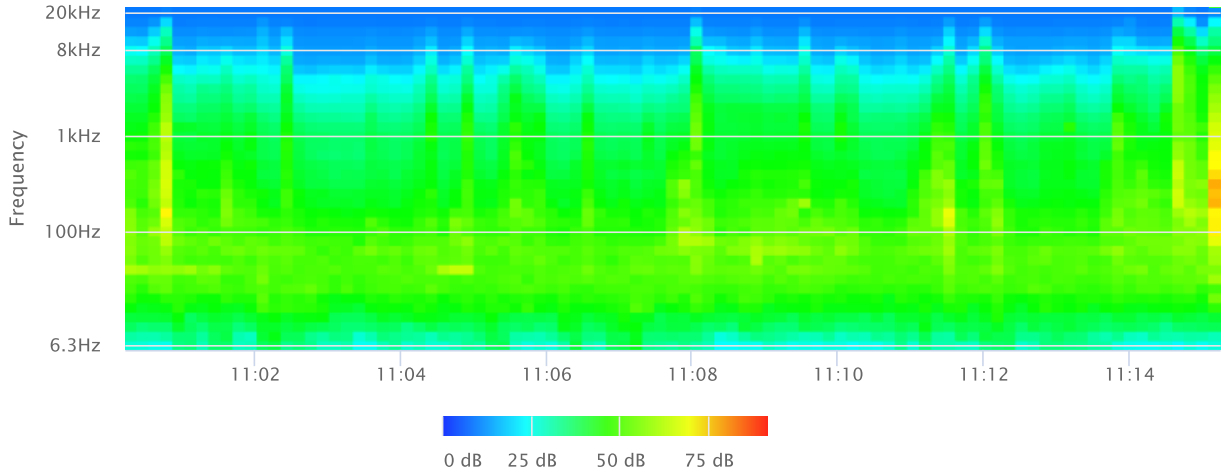
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
11:02
11:04
11:06
11:08
11:10
11:12
11:14
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM5 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 8 S C Street , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just N of driveway to residence 8 S C Street, located on rocky edge of W San Jacinto Ave. Adjacent: S C St running N-S 50' E of NM5. W San Jacinto Ave running E-W just N of NM5. Fire Department HQ to the N of NM5.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 94 deg F **Wind:** 1 mph **Humidity:** 39% **Terrain:** Flat

Start Time: 11:36 AM **End Time:** 11:51 AM **Run Time:**

Leq:	64.5	dB
Lmax	81.3	dB
L2	73.9	dB
L8	67.4	dB
L25	63.1	dB
L50	60.1	dB

Primary Noise Source: Traffic noise from the 172 vehicles passing microphone, passing through S C St & W San Jacinto Ave intersection during 15 minute measurement.

Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wing propeller planes.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM5 looking NE across intersection S C Street & W San Jacinto Avenue, Perris.

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NM5 looking SW across driveway to residence 8 S C Street, Perris.

Summary	
File Name on Meter	LxT_Data.300.s
File Name on PC	LxT_0003099-20230726 113652-LxT_Data.300.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM5 33°47'11.41"N 117°13'47.55"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 11:36:52
Stop	2023-07-26 11:51:52
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 11:36:25
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
L_{Aeq}	64.5		
LAE	94.1		
EA	284.417	µPa²h	
EA8	9.101	mPa²h	
EA40	45.507	mPa²h	
$L_{Apeak\ (max)}$	2023-07-26 11:48:15	89.9	dB
L_{ASmax}	2023-07-26 11:49:51	81.3	dB
L_{ASmin}	2023-07-26 11:47:27	49.5	dB

		Statistics	
L_{Ceq}	74.2 dB	**LA2.00**	73.9 dB
L_{Aeq}	64.5 dB	**LA8.00**	67.4 dB
L_{Ceq} - L_{Aeq}	9.7 dB	**LA25.00**	63.1 dB
L_{AIeq}	66.7 dB	**LA50.00**	60.1 dB
L_{Aeq}	64.5 dB	**LA66.60**	58.3 dB
L_{AIeq} - L_{Aeq}	2.2 dB	**LA90.00**	54.9 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.300.s	Computer's File Name	LxT_0003099-20230726 113652-LxT_Data.300.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM5 33°47'11.41"N 117°13'47.55"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 11:36:52	Duration	0:15:00.0
End Time	2023-07-26 11:51:52	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	64.5 dB		
LAE	94.1 dB	SEA	--- dB
EA	284.4 µPa²h	LAFTM5	69.2 dB
EA8	9.1 mPa²h		
EA40	45.5 mPa²h		
LA_{peak}	89.9 dB	2023-07-26 11:48:15	
LAS_{max}	81.3 dB	2023-07-26 11:49:51	
LAS_{min}	49.5 dB	2023-07-26 11:47:27	
LA_{eq}	64.5 dB		
LC_{eq}	74.2 dB	LC_{eq} - LA_{eq}	9.7 dB
LAI_{eq}	66.7 dB	LAI_{eq} - LA_{eq}	2.2 dB

Exceedances	Count	Duration
LAS > 65.0 dB	24	0:03:00.7
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

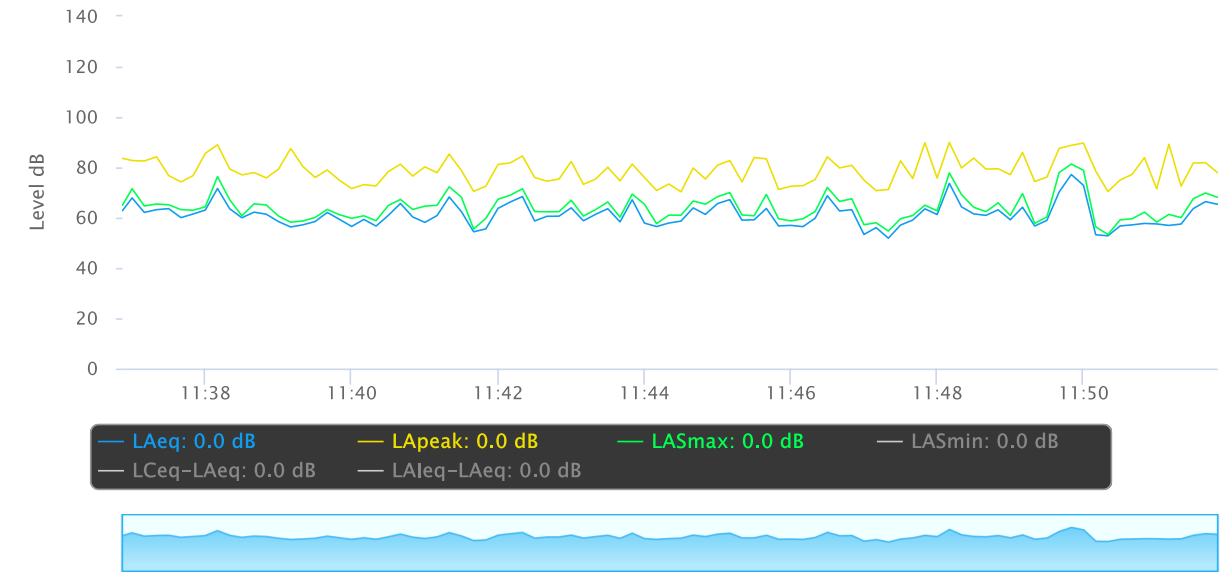
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	64.5 dB		74.2 dB		--- dB	
$L_{S(max)}$	81.3 dB	2023-07-26 11:49:51	--- dB		--- dB	
$L_{S(min)}$	49.5 dB	2023-07-26 11:47:27	--- dB		--- dB	
$L_{Peak(max)}$	89.9 dB	2023-07-26 11:48:15	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

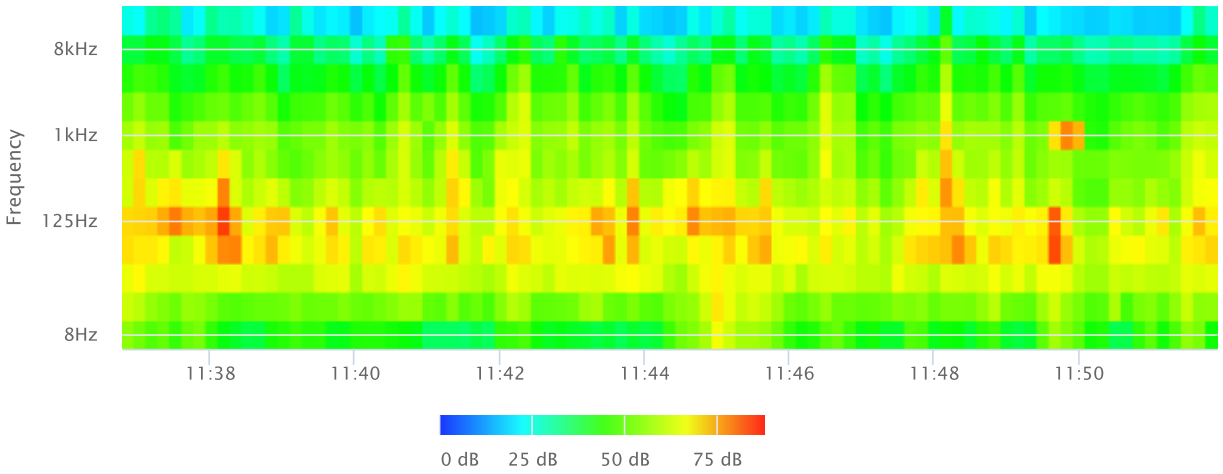
Statistics

LAS 2.0	73.9 dB
LAS 8.0	67.4 dB
LAS 25.0	63.1 dB
LAS 50.0	60.1 dB
LAS 66.6	58.3 dB
LAS 90.0	54.9 dB

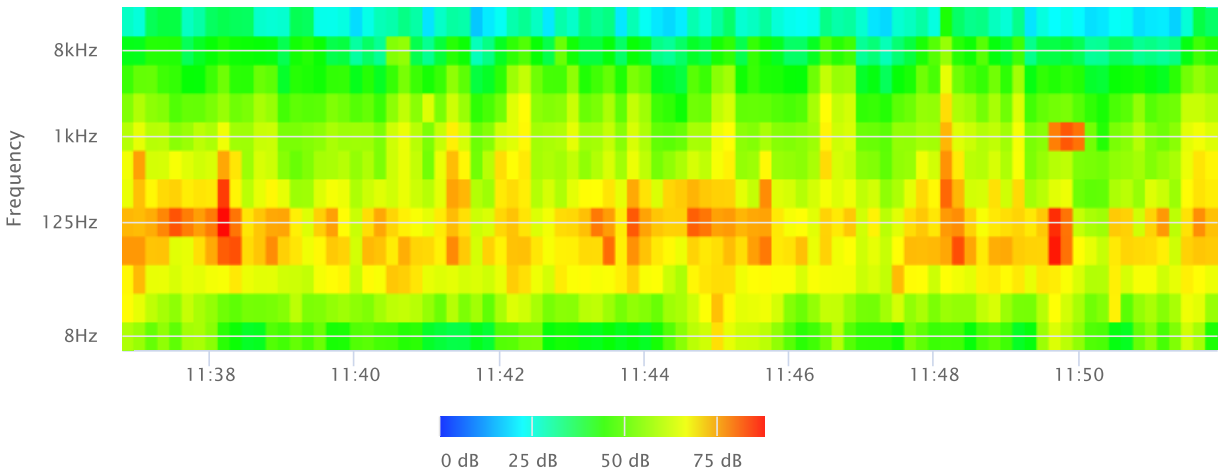
Time History



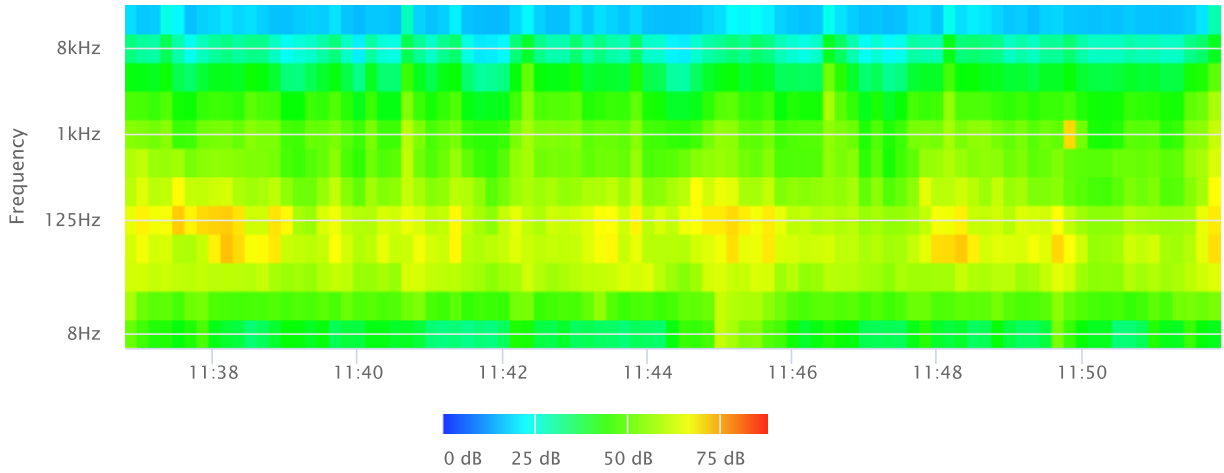
OBA 1/1 Leq



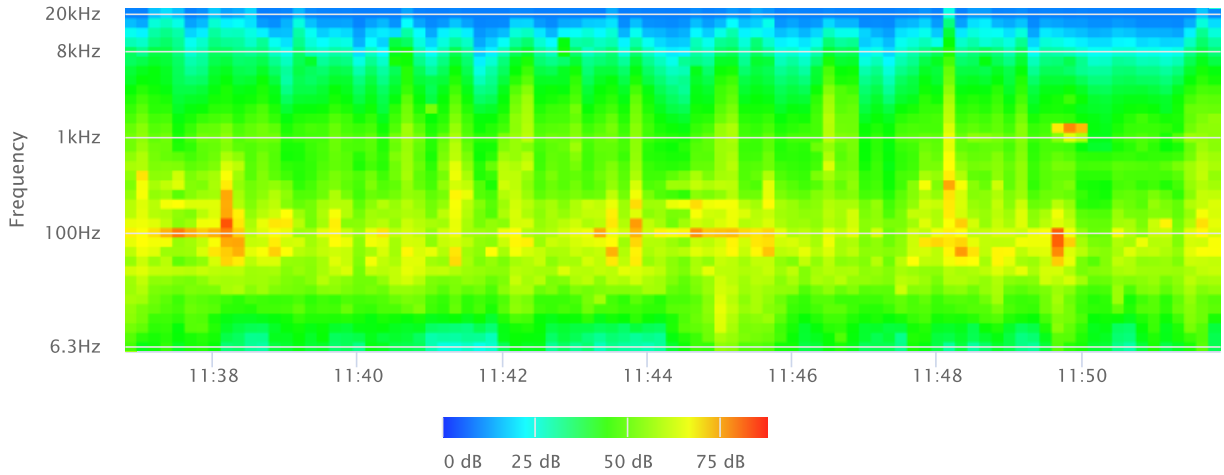
OBA 1/1 Lmax



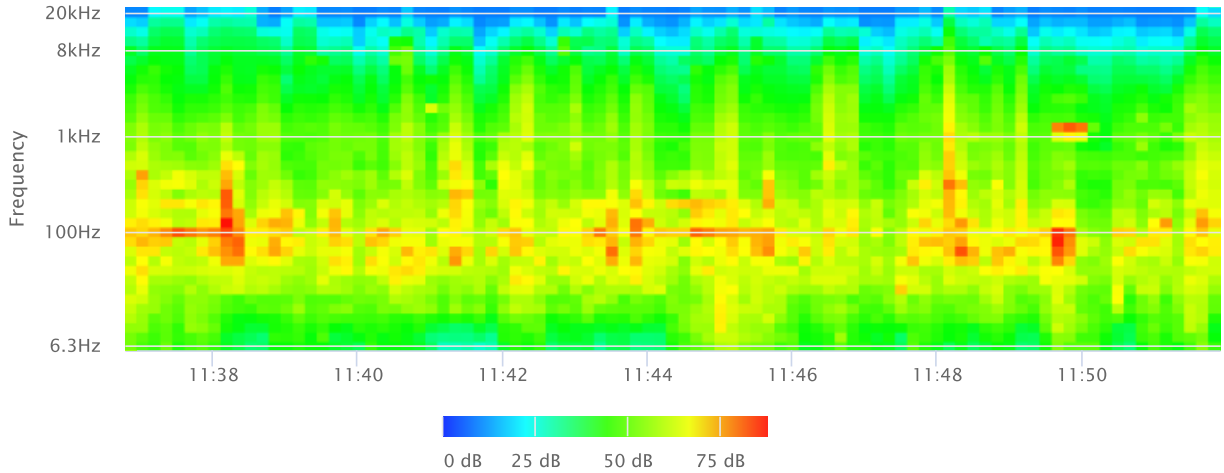
OBA 1/1 Lmin



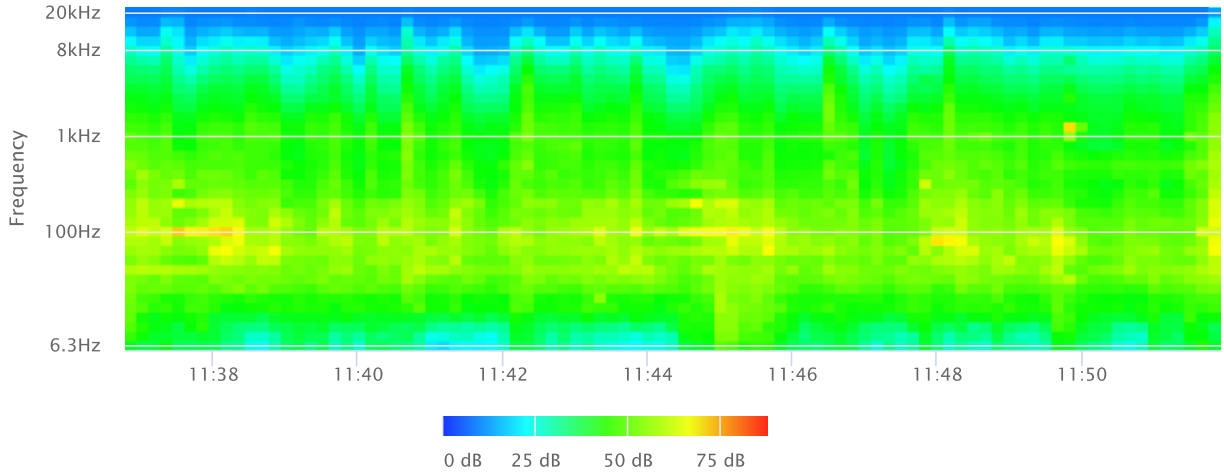
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
11:38
11:40
11:42
11:44
11:46
11:48
11:50
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM6 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 377 W San Jacinto Avenue , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just N residence 377 W San Jacinto Ave, located on dirt sidewalk. Adjacent: W San Jacinto Ave running E-W just N of NM6. Residential to the S of NM6, openland to the N of NM6 across W San Jacinto Avenue.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 94 deg F **Wind:** 1 mph **Humidity:** 39% **Terrain:** Flat

Start Time: 12:22 PM **End Time:** 12:37 PM **Run Time:**

Leq: 47.5 dB

Lmax 63.1 dB

L2 55.7 dB

L8 50.6 dB

L25 46.6 dB

L50 43.8 dB

Primary Noise Source: Traffic noise from the 2 vehicles passing microphone, traveling along W San Jacinto Ave during 15 minute measurement.

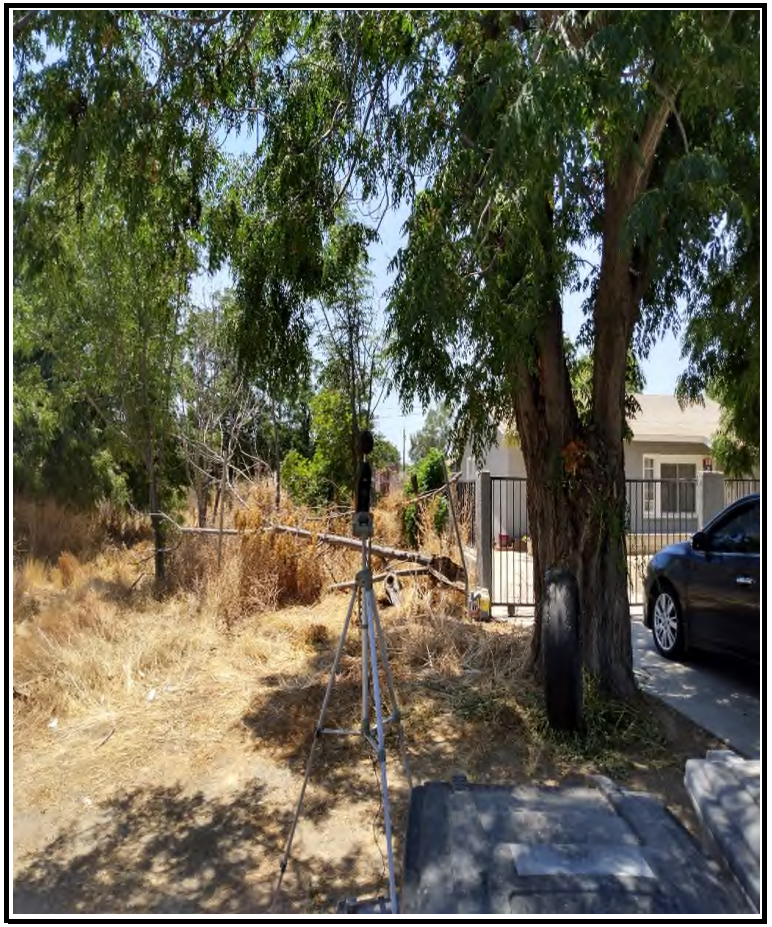
Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wing propeller planes.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM6 looking WNW along W San Jacinto Ave towards A Street intersection (~170').



NM6 looking S towards driveway & frontyard to residence 377 W San Jacinto Avenue, Perris.

Summary	
File Name on Meter	LxT_Data.301.s
File Name on PC	LxT_0003099-20230726 122222-LxT_Data.301.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM6 33°47'11.47"N 117°14'3.10"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 12:22:22
Stop	2023-07-26 12:37:22
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 12:22:01
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
LA_{eq}	47.5		
LAE	77.0		
EA	5.625	µPa²h	
EA8	180.005	µPa²h	
EA40	900.024	µPa²h	
$LA_{peak\ (max)}$	2023-07-26 12:35:03	84.4	dB
LAS_{max}	2023-07-26 12:33:53	63.1	dB
LAS_{min}	2023-07-26 12:32:50	38.2	dB

		Statistics	
LC_{eq}	61.1 dB	**LA2.00**	55.7 dB
LA_{eq}	47.5 dB	**LA8.00**	50.6 dB
LC_{eq} - LA_{eq}	13.6 dB	**LA25.00**	46.6 dB
LAI_{eq}	51.3 dB	**LA50.00**	43.8 dB
LA_{eq}	47.5 dB	**LA66.60**	42.4 dB
LAI_{eq} - LA_{eq}	3.8 dB	**LA90.00**	40.4 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.301.s	Computer's File Name	LxT_0003099-20230726 122222-LxT_Data.301.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM6 33°47'11.47"N 117°14'3.10"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 12:22:22	Duration	0:15:00.0
End Time	2023-07-26 12:37:22	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	47.5 dB		
LAE	77.0 dB	SEA	--- dB
EA	5.6 µPa²h	LAFTM5	53.9 dB
EA8	180.0 µPa²h		
EA40	900.0 µPa²h		
LA_{peak}	84.4 dB	2023-07-26 12:35:03	
LAS_{max}	63.1 dB	2023-07-26 12:33:53	
LAS_{min}	38.2 dB	2023-07-26 12:32:50	
LA_{eq}	47.5 dB		
LC_{eq}	61.1 dB	LC_{eq} - LA_{eq}	13.6 dB
LAI_{eq}	51.3 dB	LAI_{eq} - LA_{eq}	3.8 dB

Exceedances	Count	Duration
LAS > 65.0 dB	0	0:00:00.0
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

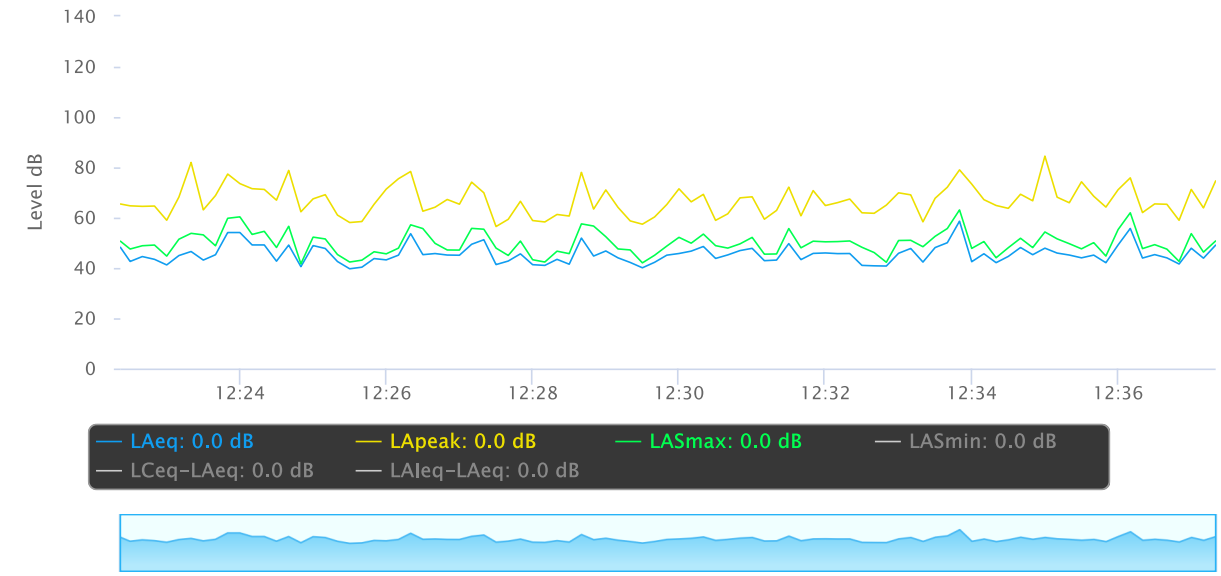
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	47.5 dB		61.1 dB		--- dB	
$L_{S(max)}$	63.1 dB	2023-07-26 12:33:53	--- dB		--- dB	
$L_{S(min)}$	38.2 dB	2023-07-26 12:32:50	--- dB		--- dB	
$L_{Peak(max)}$	84.4 dB	2023-07-26 12:35:03	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

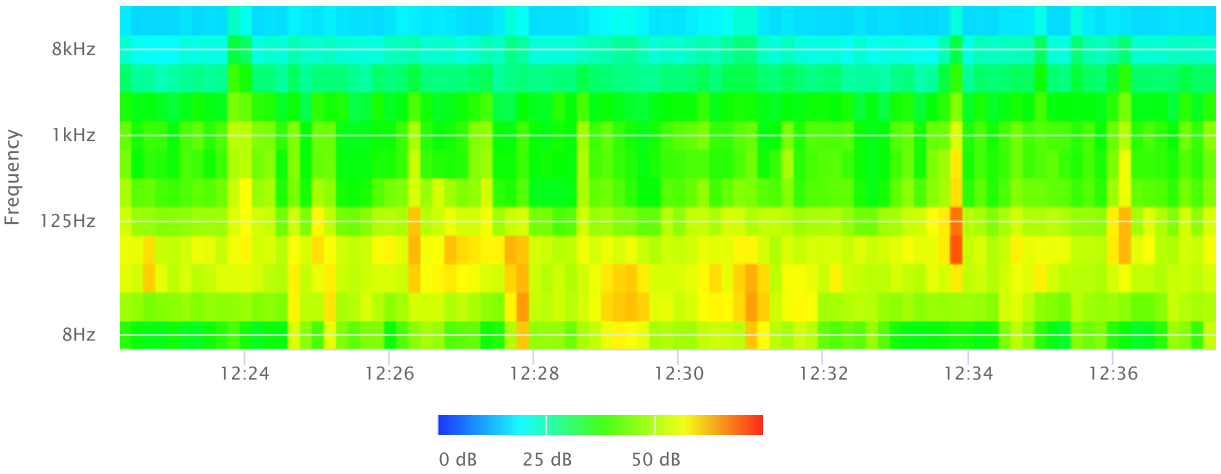
Statistics

LAS 2.0	55.7 dB
LAS 8.0	50.6 dB
LAS 25.0	46.6 dB
LAS 50.0	43.8 dB
LAS 66.6	42.4 dB
LAS 90.0	40.4 dB

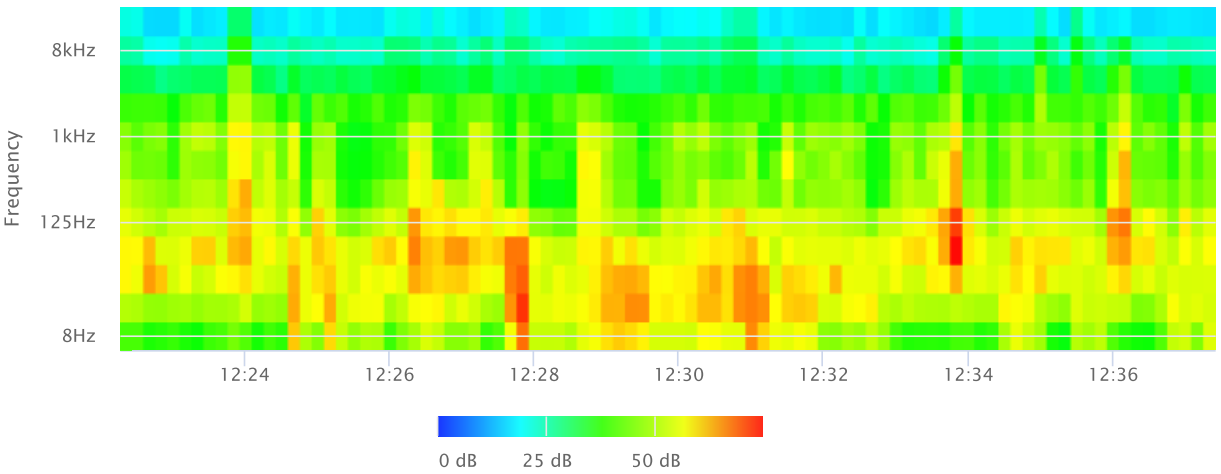
Time History



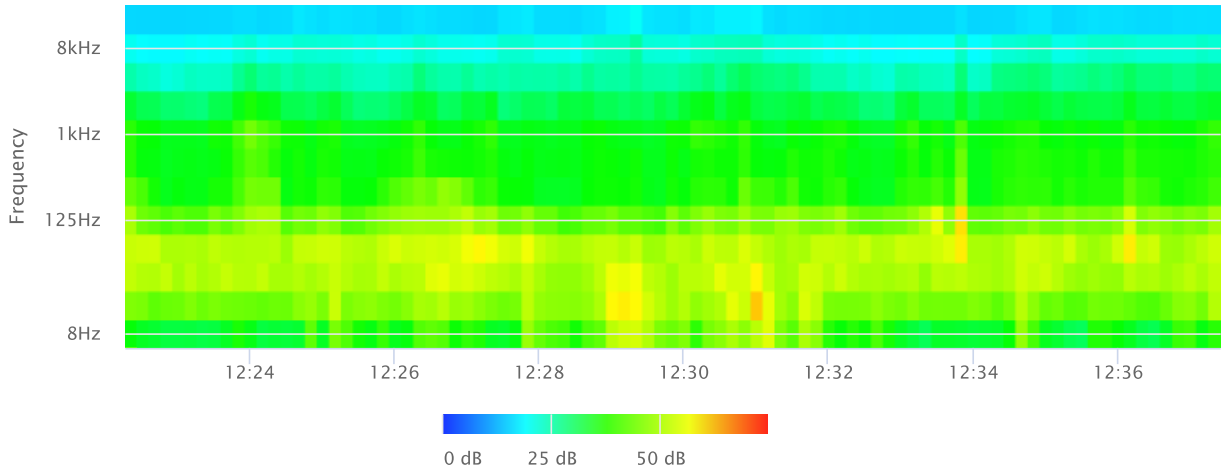
OBA 1/1 Leq



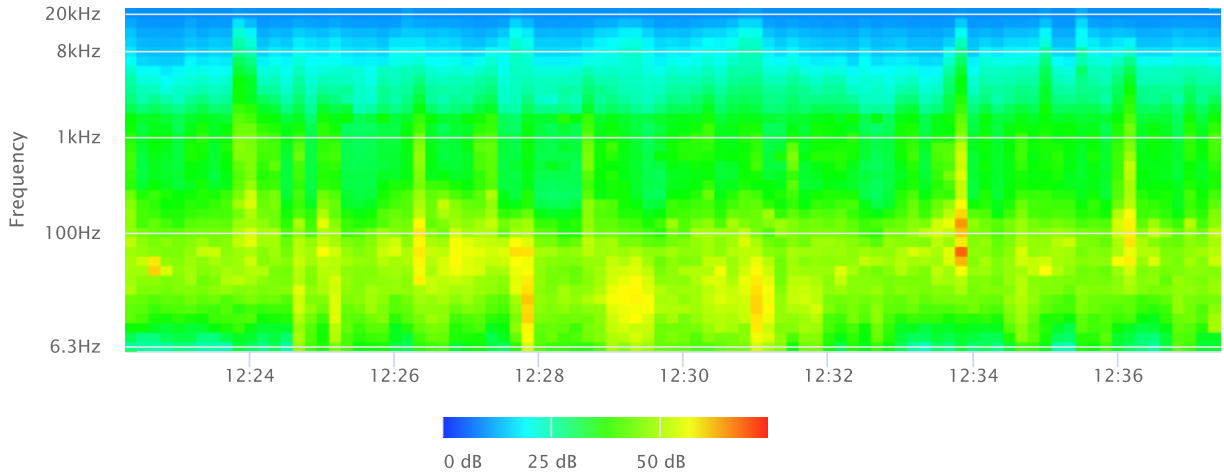
OBA 1/1 Lmax



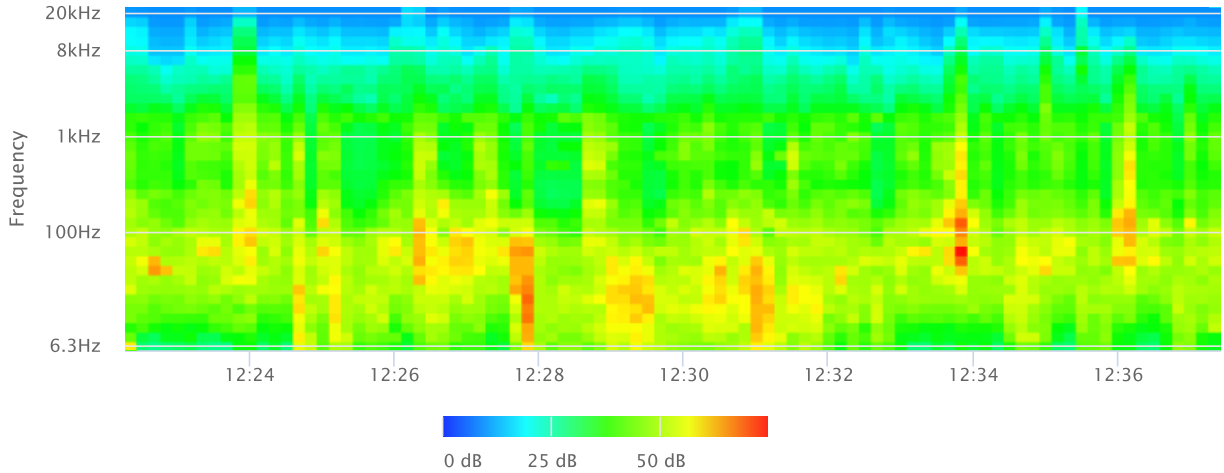
OBA 1/1 Lmin



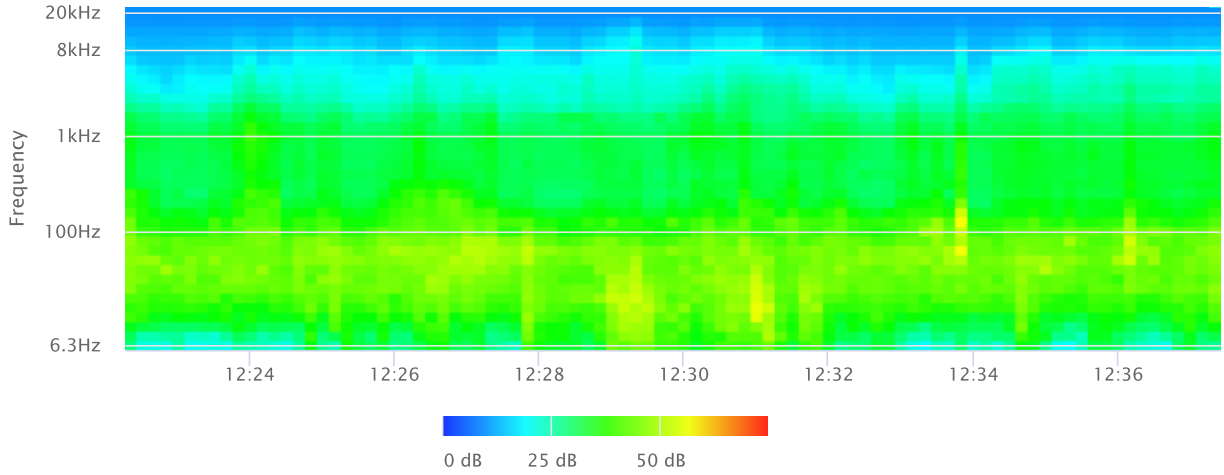
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
12:24
12:26
12:28
12:30
12:32
12:34
12:36
0 dB
25 dB
50 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM7 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 435 7th Street , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just N residence 435 7th Street, located on concrete sidewalk. Adjacent: 7th Street running E-W just N of NM7. Residential to the S of NM7 & an elementary school to the N of NM7 (across 7th Street).

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 96 deg F **Wind:** 1 mph **Humidity:** 37% **Terrain:** Flat

Start Time: 12:57 PM **End Time:** 1:12 PM **Run Time:**

Leq: 58.1 dB
Lmax 77.9 dB
L2 67.5 dB
L8 61.6 dB
L25 52.3 dB
L50 48.7 dB

Primary Noise Source: Traffic noise from the 5 vehicles passing microphone, traveling along 7th Street during 15 minute measurement. Traffic ambiance from other roads in area.

Secondary Noise Sources: Bird song. Some residential ambiance. Some overhead air traffic, choppers and fixed wing propeller planes. Some school yard ambiance (children playing).

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM7 looking NW across 7th Street towards play area of Perris Elementary School, 500 S A Street, Perris.

NM7 looking S towards frontyard of residence 435 7th Street, Perris.

Summary	
File Name on Meter	LxT_Data.302.s
File Name on PC	LxT_0003099-20230726 125734-LxT_Data.302.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM7 33°46'45.30"N 117°14'8.41"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 12:57:34
Stop	2023-07-26 13:12:34
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 12:57:10
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.9 dB

Results			
LA_{eq}	58.1		
LAE	87.6		
EA	63.844	µPa²h	
EA8	2.043	mPa²h	
EA40	10.215	mPa²h	
$LA_{peak\ (max)}$	2023-07-26 13:11:27	90.3	dB
LAS_{max}	2023-07-26 13:11:28	77.9	dB
LAS_{min}	2023-07-26 13:07:51	45.1	dB

			Statistics		
LC_{eq}	68.2	dB	**LA2.00**	67.5	dB
LA_{eq}	58.1	dB	**LA8.00**	61.6	dB
LC_{eq} - LA_{eq}	10.2	dB	**LA25.00**	52.3	dB
LAI_{eq}	60.2	dB	**LA50.00**	48.7	dB
LA_{eq}	58.1	dB	**LA66.60**	47.8	dB
LAI_{eq} - LA_{eq}	2.2	dB	**LA90.00**	46.4	dB
Overload Count	0				

Measurement Report

Report Summary

Meter's File Name	LxT_Data.302.s	Computer's File Name	LxT_0003099-20230726 125734-LxT_Data.302.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM7 33°46'45.30"N 117°14'8.41"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 12:57:34	Duration	0:15:00.0
End Time	2023-07-26 13:12:34	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	58.1 dB		
LAE	87.6 dB	SEA	--- dB
EA	63.8 µPa²h	LAFTM5	63.2 dB
EA8	2.0 mPa²h		
EA40	10.2 mPa²h		
LA_{peak}	90.3 dB	2023-07-26 13:11:27	
LAS_{max}	77.9 dB	2023-07-26 13:11:28	
LAS_{min}	45.1 dB	2023-07-26 13:07:51	
LA_{eq}	58.1 dB		
LC_{eq}	68.2 dB	LC_{eq} - LA_{eq}	10.2 dB
LAI_{eq}	60.2 dB	LAI_{eq} - LA_{eq}	2.2 dB

Exceedances	Count	Duration
LAS > 65.0 dB	10	0:00:52.5
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

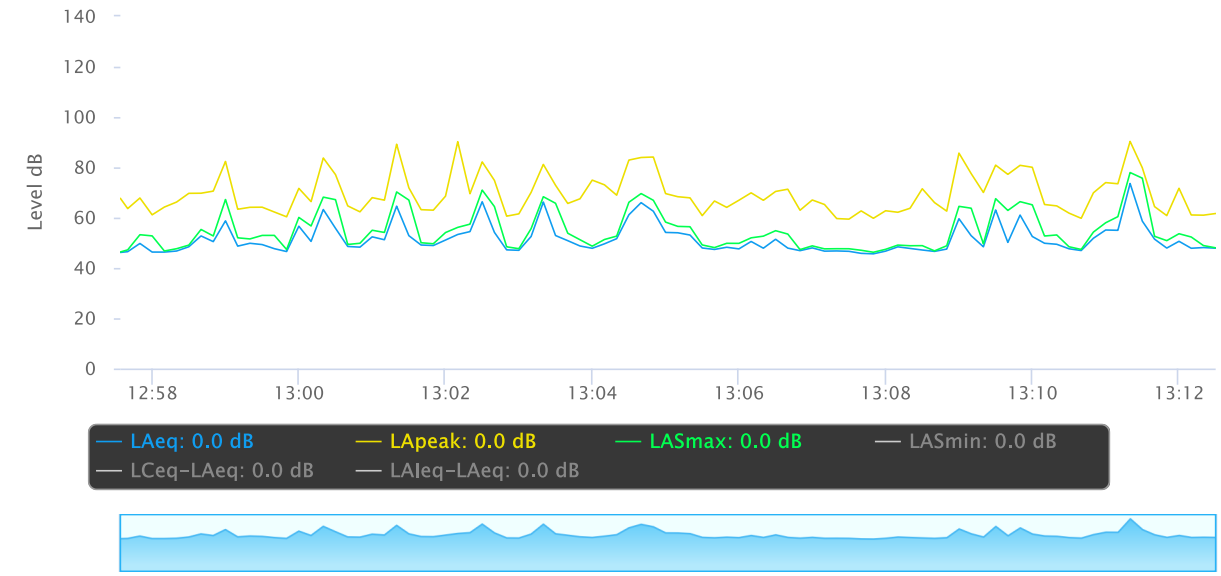
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	58.1 dB		68.2 dB		--- dB	
$L_{S(max)}$	77.9 dB	2023-07-26 13:11:28	--- dB		--- dB	
$L_{S(min)}$	45.1 dB	2023-07-26 13:07:51	--- dB		--- dB	
$L_{Peak(max)}$	90.3 dB	2023-07-26 13:11:27	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

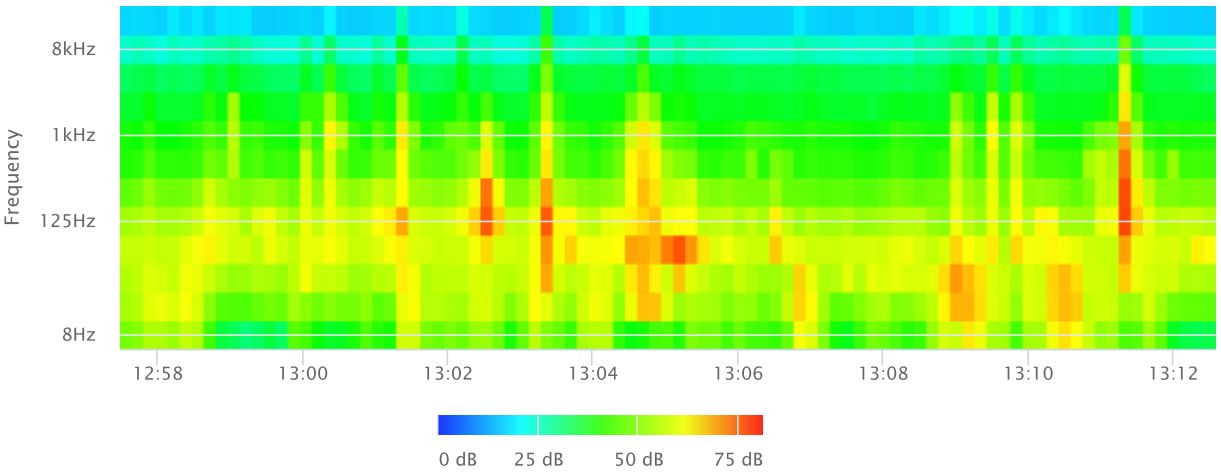
Statistics

LAS 2.0	67.5 dB
LAS 8.0	61.6 dB
LAS 25.0	52.3 dB
LAS 50.0	48.7 dB
LAS 66.6	47.8 dB
LAS 90.0	46.4 dB

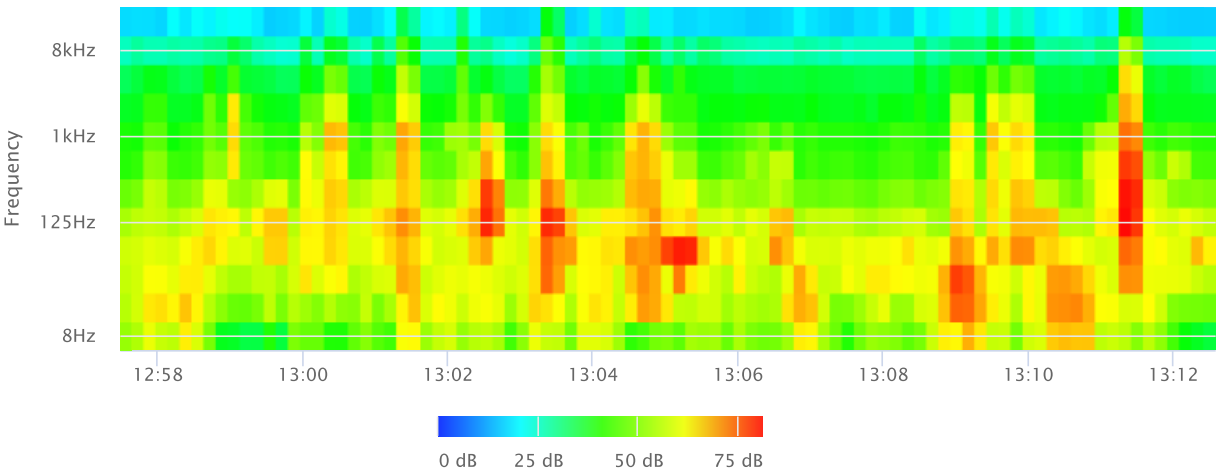
Time History



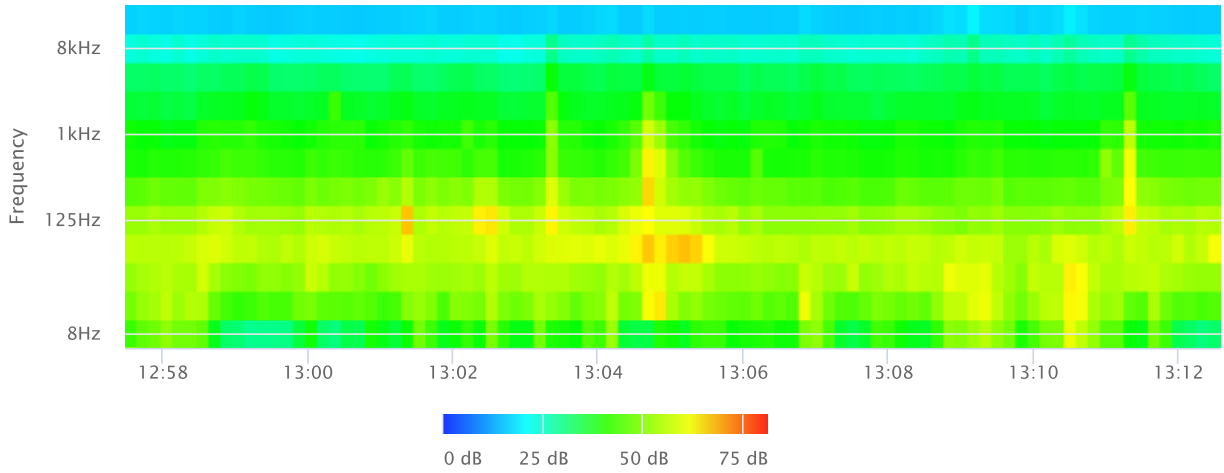
OBA 1/1 Leq



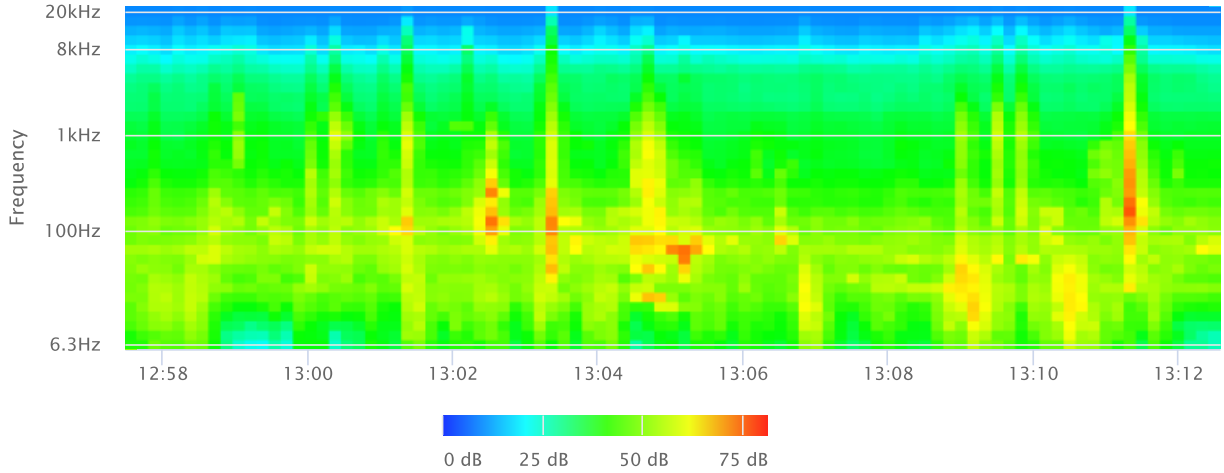
OBA 1/1 Lmax



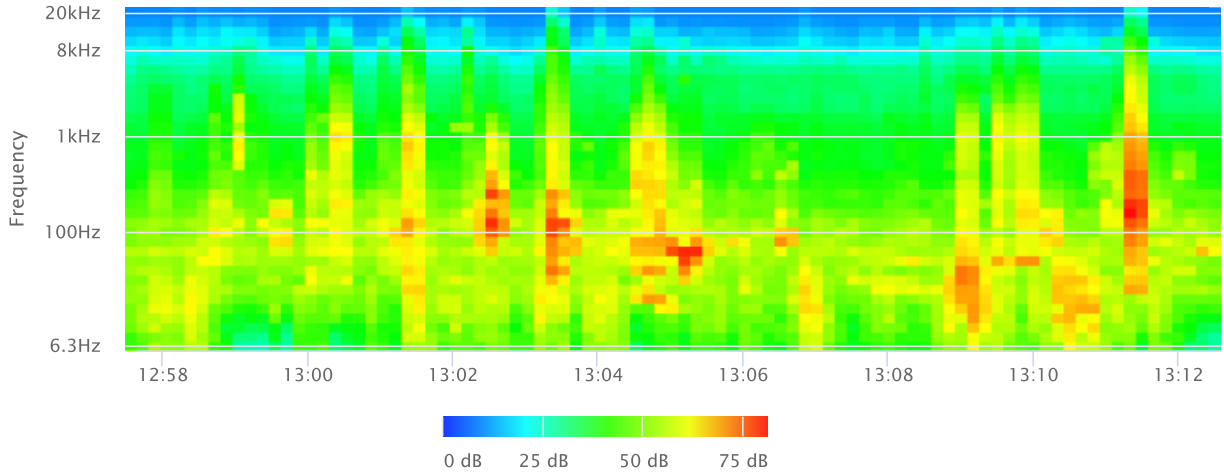
OBA 1/1 Lmin



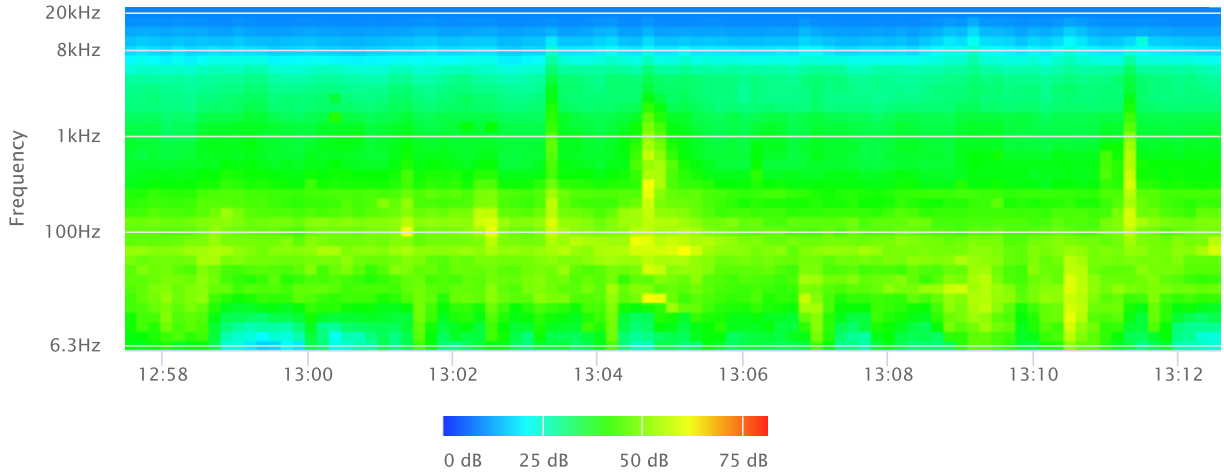
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
12:58
13:00
13:02
13:04
13:06
13:08
13:10
13:12
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM8 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 600 S D Street , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just E of building 600 S D Street, on grassy knoll, under cedar tree. Adjacent: S D Street & E 6th Street intersection 50' NE of NM8, train tracks 300' W of NM8. Commercial all along S D Street, elsewhere residential.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 98 deg F **Wind:** 1 mph **Humidity:** 37% **Terrain:** Flat

Start Time: 1:38 PM **End Time:** 1:40 PM **Run Time:**

Leq: 57.6 dB
Lmax 69.7 dB
L2 64.9 dB
L8 61.1 dB
L25 57.6 dB
L50 55.4 dB

Primary Noise Source: Traffic noise from the 62 vehicles passing microphone, traveling through S D Street & E 6th Street intersection during 15 minute measurement.

Secondary Noise Sources: Bird song. Some overhead air traffic, choppers and fixed wing propeller planes. Traffic ambiance from other roads in area. Pedestrians. Commercial ambiance.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM8 looking N towards American Legion Sign towards E 6th Street, American Legion building 600 S D Street on far left (out of photo frame).

NM8 looking NE towards S D Street & E 6th Street intersection.

Summary	
File Name on Meter	LxT_Data.303.s
File Name on PC	LxT_0003099-20230726 133312-LxT_Data.303.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM8 33°46'48.59"N 117°13'43.98"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 13:33:12
Stop	2023-07-26 13:48:12
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 13:32:36
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.9 dB

Results			
LA_{eq}	57.6		
LAE	87.2		
EA	57.746 µPa²h		
EA8	1.848 mPa²h		
EA40	9.239 mPa²h		
$LA_{peak\ (max)}$	2023-07-26 13:44:55	85.3 dB	
LAS_{max}	2023-07-26 13:37:32	69.7 dB	
LAS_{min}	2023-07-26 13:43:10	50.8 dB	
			Statistics
LC_{eq}	70.6 dB	**LA2.00**	64.9 dB
LA_{eq}	57.6 dB	**LA8.00**	61.1 dB
LC_{eq} - LA_{eq}	12.9 dB	**LA25.00**	57.6 dB
LAI_{eq}	59.3 dB	**LA50.00**	55.4 dB
LA_{eq}	57.6 dB	**LA66.60**	53.9 dB
LAI_{eq} - LA_{eq}	1.7 dB	**LA90.00**	52.3 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.303.s	Computer's File Name	LxT_0003099-20230726 133312-LxT_Data.303.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM8 33°46'48.59"N 117°13'43.98"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 13:33:12	Duration	0:15:00.0
End Time	2023-07-26 13:48:12	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	57.6 dB		
LAE	87.2 dB	SEA	--- dB
EA	57.7 µPa²h	LAFTM5	61.2 dB
EA8	1.8 mPa²h		
EA40	9.2 mPa²h		
LA_{peak}	85.3 dB	2023-07-26 13:44:55	
LAS_{max}	69.7 dB	2023-07-26 13:37:32	
LAS_{min}	50.8 dB	2023-07-26 13:43:10	
LA_{eq}	57.6 dB		
LC_{eq}	70.6 dB	LC_{eq} - LA_{eq}	12.9 dB
LAI_{eq}	59.3 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances	Count	Duration
LAS > 65.0 dB	5	0:00:21.3
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

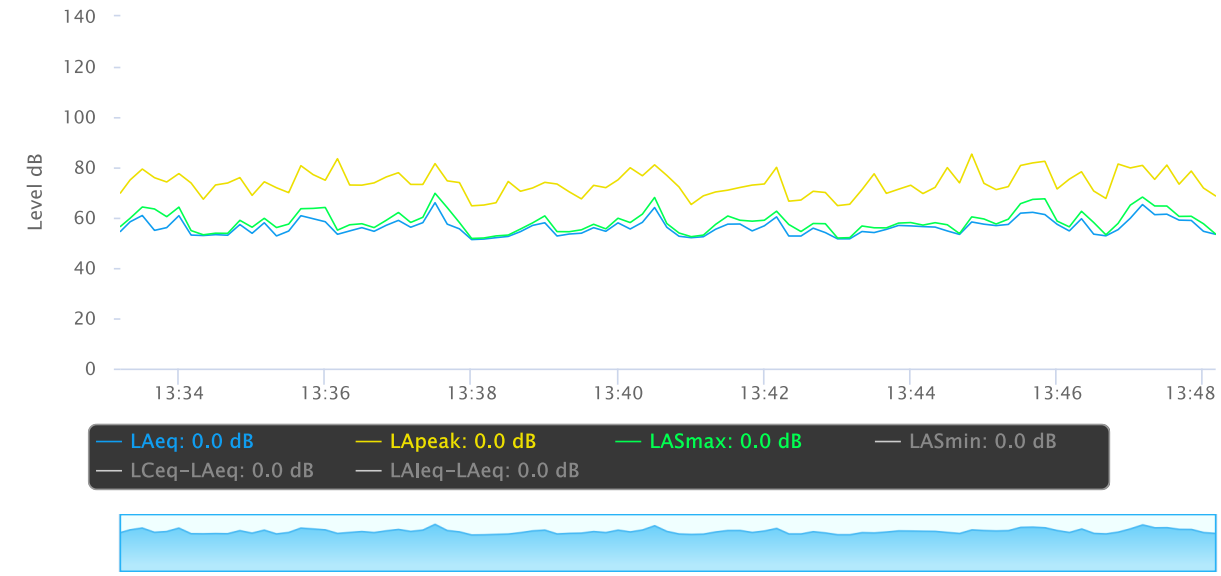
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	57.6 dB		70.6 dB		--- dB	
$L_{S(max)}$	69.7 dB	2023-07-26 13:37:32	--- dB		--- dB	
$L_{S(min)}$	50.8 dB	2023-07-26 13:43:10	--- dB		--- dB	
$L_{Peak(max)}$	85.3 dB	2023-07-26 13:44:55	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

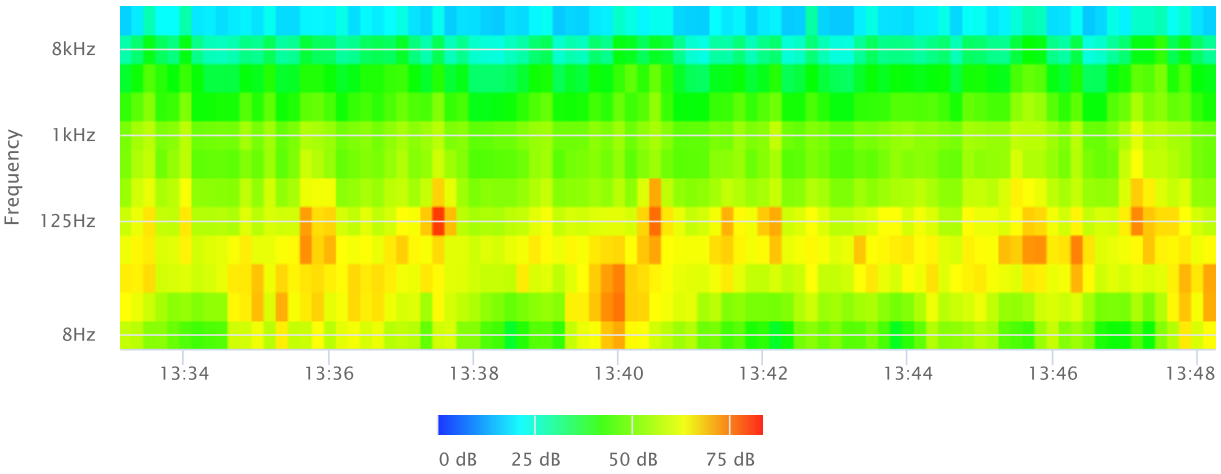
Statistics

LAS 2.0	64.9 dB
LAS 8.0	61.1 dB
LAS 25.0	57.6 dB
LAS 50.0	55.4 dB
LAS 66.6	53.9 dB
LAS 90.0	52.3 dB

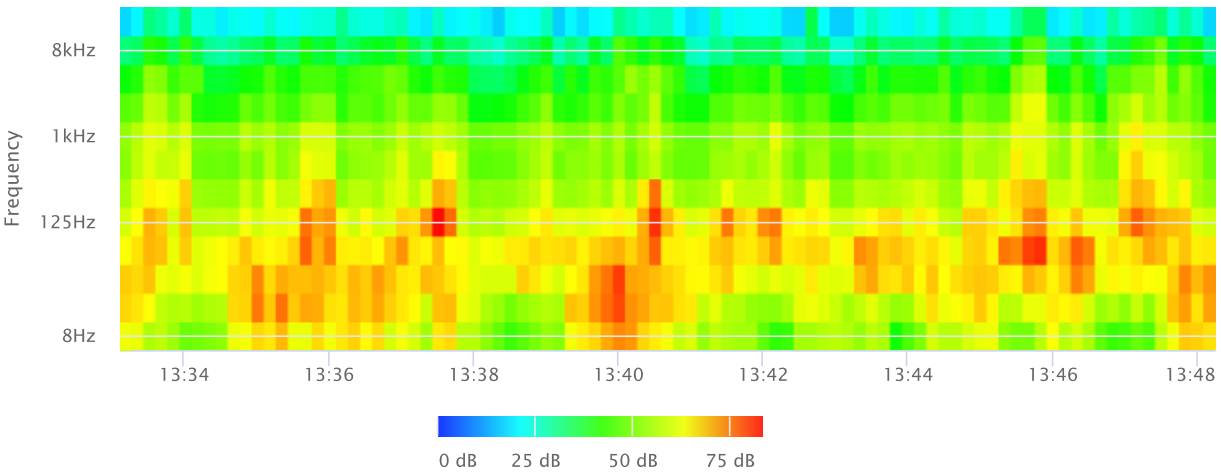
Time History



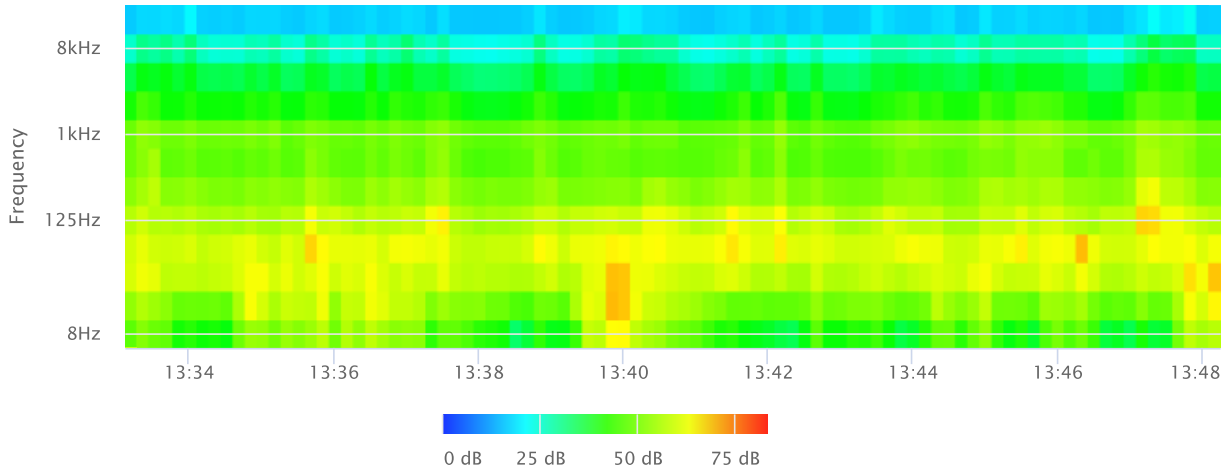
OBA 1/1 Leq



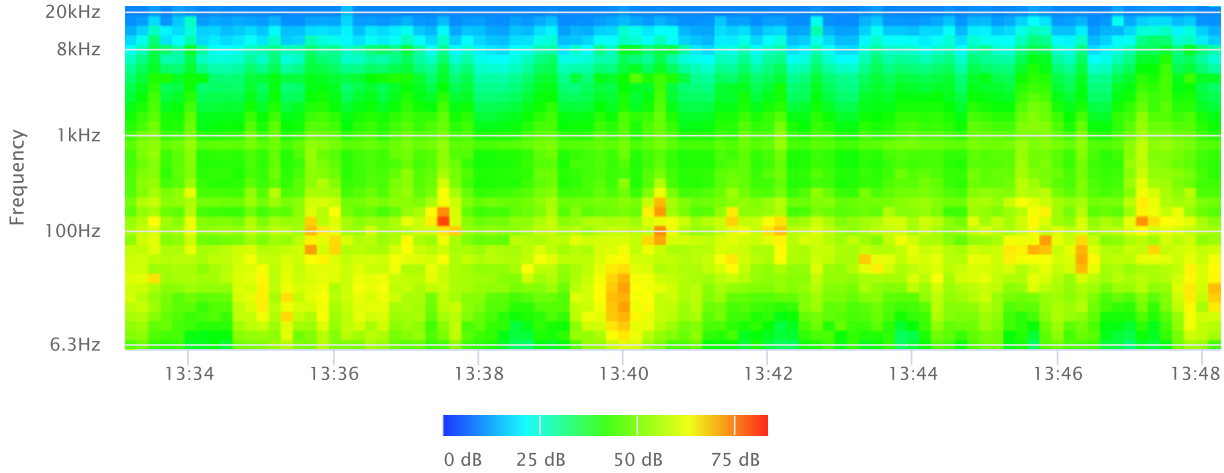
OBA 1/1 Lmax



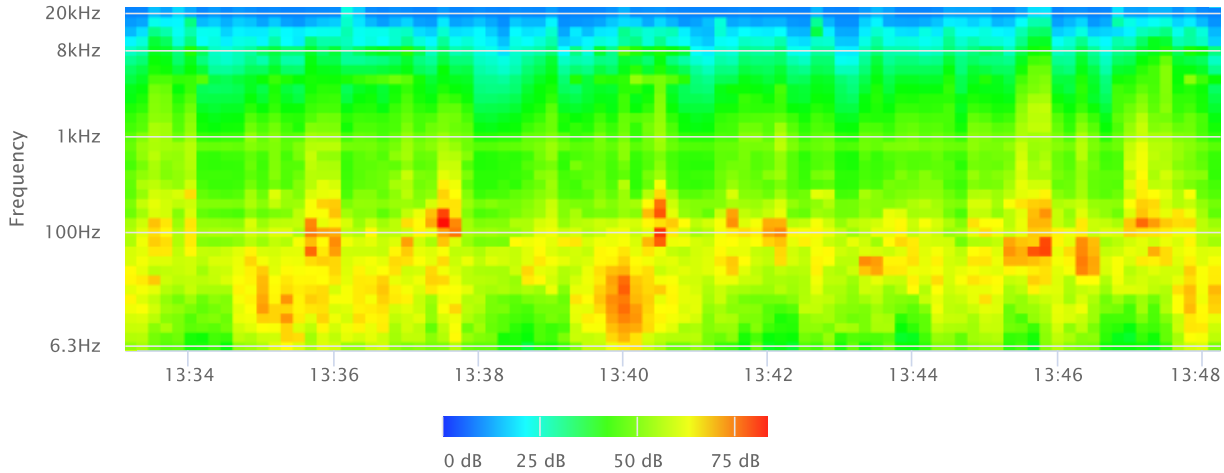
OBA 1/1 Lmin



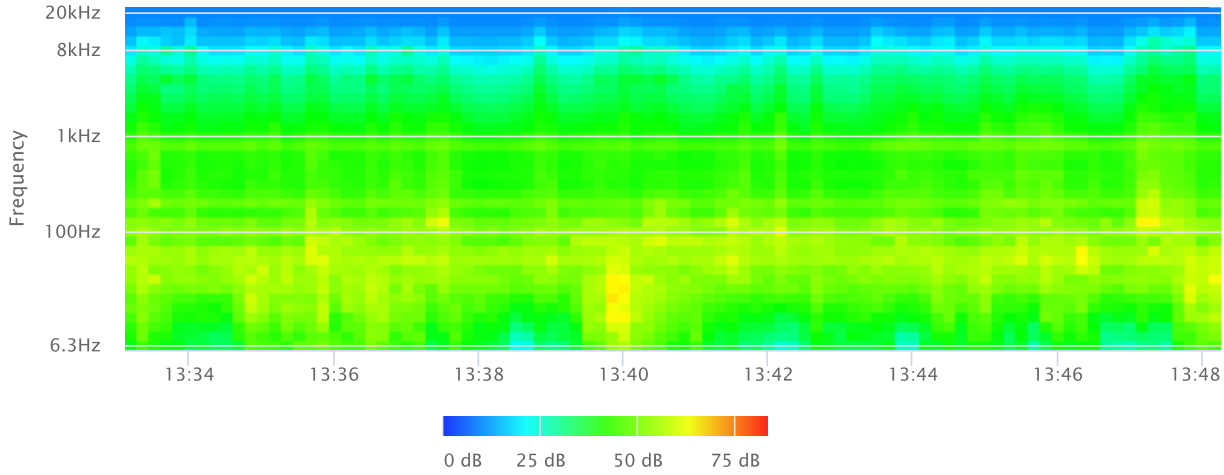
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
13:34
13:36
13:38
13:40
13:42
13:44
13:46
13:48
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM9 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 377 E 6th Street , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Just E of residence 377 E 6th Street, on S G Street concrete sidewalk. Adjacent: S G Street running N-S just E of NM9, E 6th Street running E-W 70' N of NM9. Residential to the W, storage for trailers, trucks & various others to the E.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 100 deg F **Wind:** 1 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 2:13 PM **End Time:** 2:28 PM **Run Time:**

Leq: 60.5 dB

Lmax 76 dB

L2 70.3 dB

L8 66.0 dB

L25 57.9 dB

L50 51.1 dB

Primary Noise Source: Traffic noise from the 38 vehicles passing microphone traveling along S G Street during 15 minute measurement.

Secondary Noise Sources: Bird song. Some overhead air traffic, choppers and fixed wing propeller planes. Traffic ambiance from other roads in area.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM9 looking N towards E 6th Street intersection (~70'). Residence 377 E 6th Street, on the left behind wooden fence.

NM9 looking S down S G Street towards E 7th Street intersection (stop sign ~260').

Summary			
File Name on Meter	LxT_Data.304.s		
File Name on PC	LxT_0003099-20230726 141358-LxT_Data.304.ldbin		
Serial Number	0003099		
Model	SoundTrack LxT®		
Firmware Version	2.404		
User	Ian Edward Gallagher		
Location	NM9 33°46'48.27"N 117°13'18.46"W		
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Measurement			
Start	2023-07-26 14:13:58		
Stop	2023-07-26 14:28:58		
Duration	00:15:00.0		
Run Time	00:15:00.0		
Pause	00:00:00.0		
Pre-Calibration	2023-07-26 14:13:44		
Post-Calibration	None		
Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Linear		
OBA Range	Normal		
OBA Bandwidth	1/1 and 1/3		
OBA Frequency Weighting	C Weighting		
OBA Max Spectrum	At LMax		
Overload	122.8 dB		
Results			
LA_{eq}	60.5		
LAE	90.0		
EA	111.746 µPa²h		
EA8	3.576 mPa²h		
EA40	17.879 mPa²h		
$LA_{peak\ (max)}$	2023-07-26 14:26:52	94.4 dB	
LAS_{max}	2023-07-26 14:26:52	76.0 dB	
LAS_{min}	2023-07-26 14:17:03	43.7 dB	

		Statistics	
LC_{eq}	69.6 dB	**LA2.00**	70.3 dB
LA_{eq}	60.5 dB	**LA8.00**	66.0 dB
LC_{eq} - LA_{eq}	9.1 dB	**LA25.00**	57.9 dB
LAI_{eq}	63.3 dB	**LA50.00**	51.1 dB
LA_{eq}	60.5 dB	**LA66.60**	49.4 dB
LAI_{eq} - LA_{eq}	2.8 dB	**LA90.00**	46.7 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.304.s	Computer's File Name	LxT_0003099-20230726 141358-LxT_Data.304.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM9 33°46'48.27"N 117°13'18.46"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 14:13:58	Duration	0:15:00.0
End Time	2023-07-26 14:28:58	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	60.5 dB		
LAE	90.0 dB	SEA	--- dB
EA	111.7 µPa²h	LAFTM5	66.2 dB
EA8	3.6 mPa²h		
EA40	17.9 mPa²h		
LA_{peak}	94.4 dB	2023-07-26 14:26:52	
LAS_{max}	76.0 dB	2023-07-26 14:26:52	
LAS_{min}	43.7 dB	2023-07-26 14:17:03	
LA_{eq}	60.5 dB		
LC_{eq}	69.6 dB	LC_{eq} - LA_{eq}	9.1 dB
LAI_{eq}	63.3 dB	LAI_{eq} - LA_{eq}	2.8 dB

Exceedances	Count	Duration
LAS > 65.0 dB	24	0:01:46.8
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

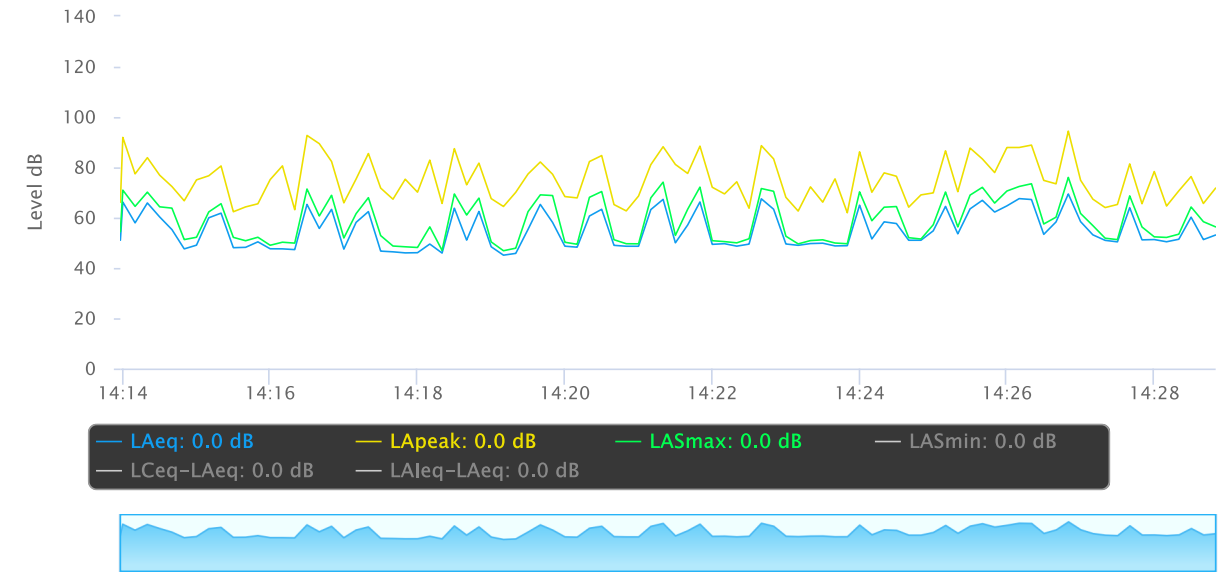
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	60.5 dB		69.6 dB		--- dB	
$L_{S(max)}$	76.0 dB	2023-07-26 14:26:52	--- dB		--- dB	
$L_{S(min)}$	43.7 dB	2023-07-26 14:17:03	--- dB		--- dB	
$L_{Peak(max)}$	94.4 dB	2023-07-26 14:26:52	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

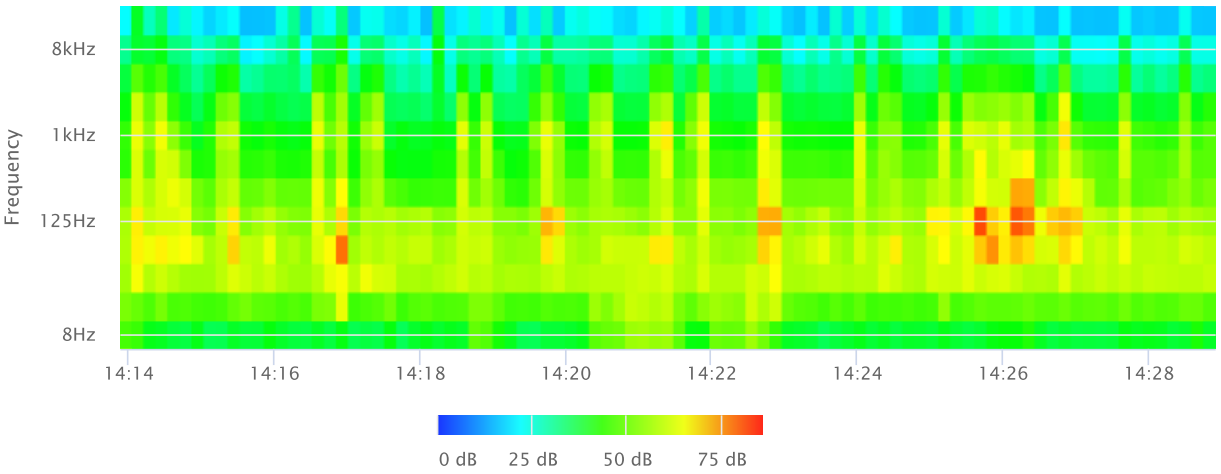
Statistics

LAS 2.0	70.3 dB
LAS 8.0	66.0 dB
LAS 25.0	57.9 dB
LAS 50.0	51.1 dB
LAS 66.6	49.4 dB
LAS 90.0	46.7 dB

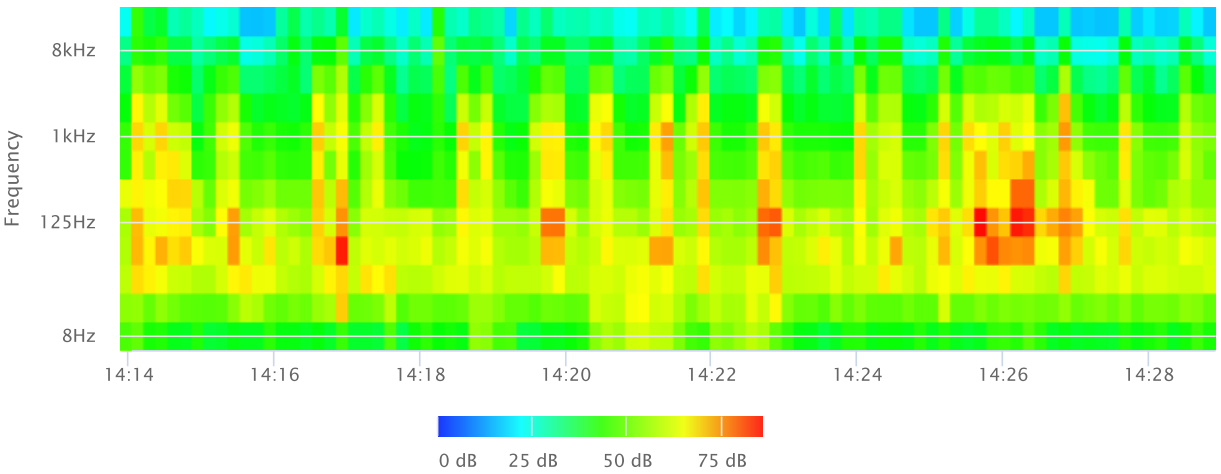
Time History



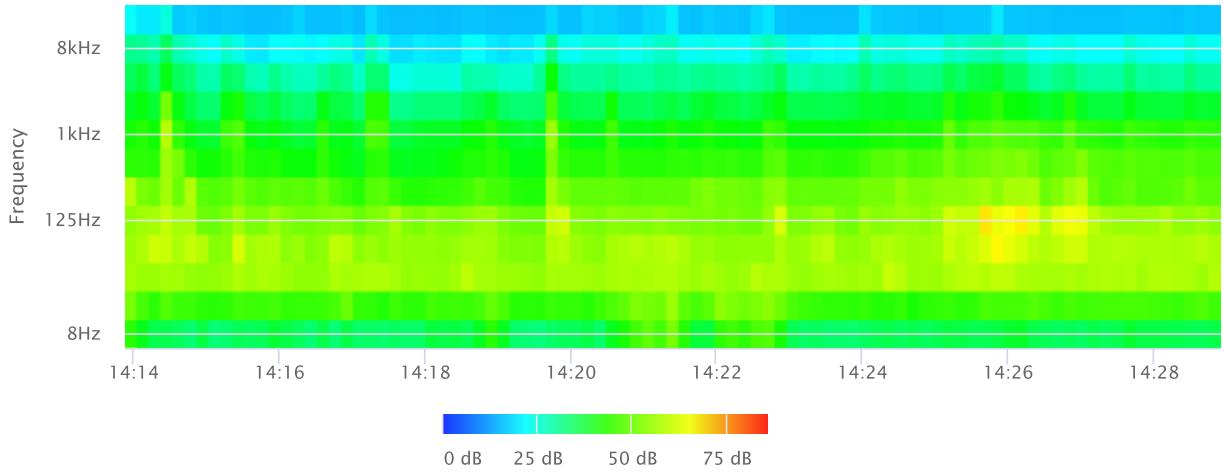
OBA 1/1 Leq



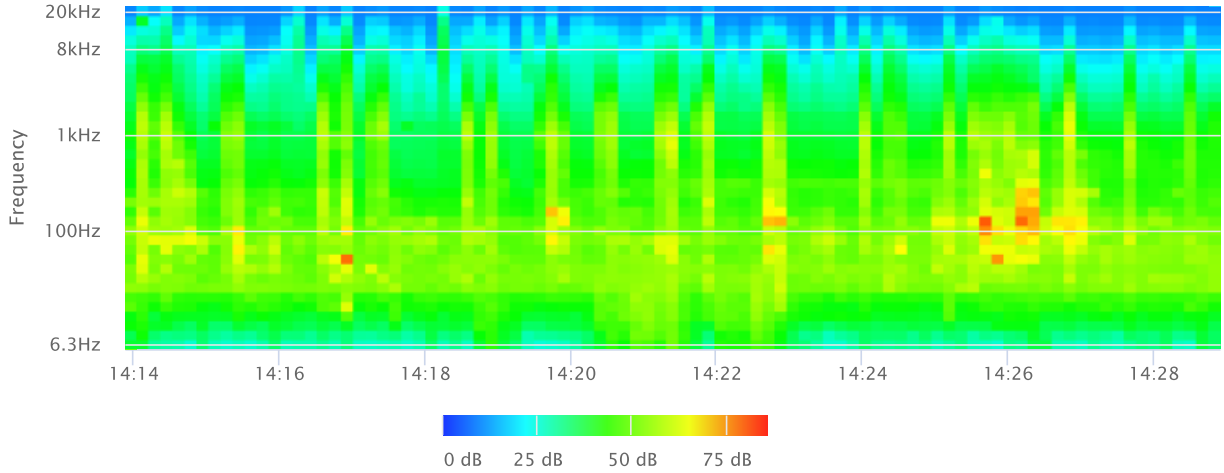
OBA 1/1 Lmax



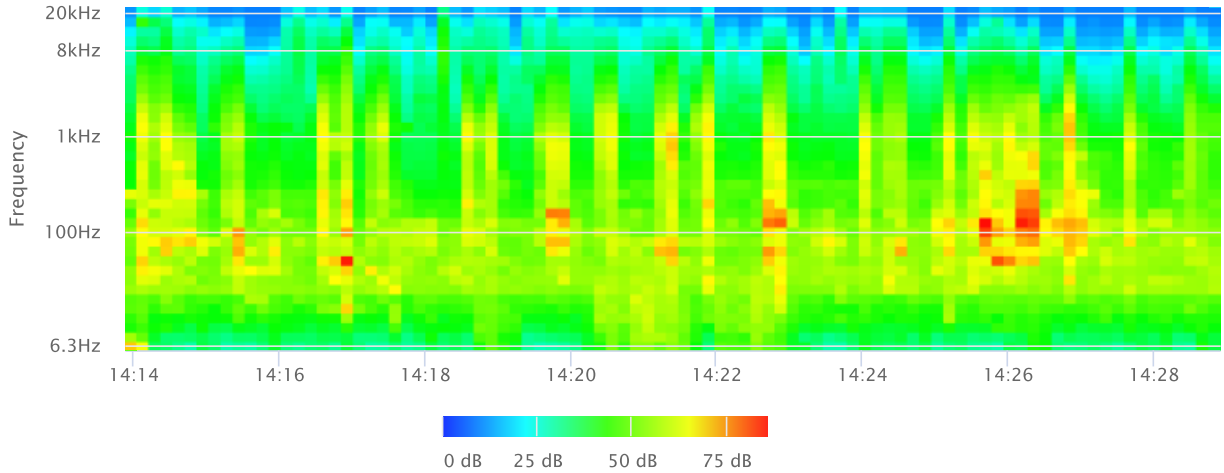
OBA 1/1 Lmin



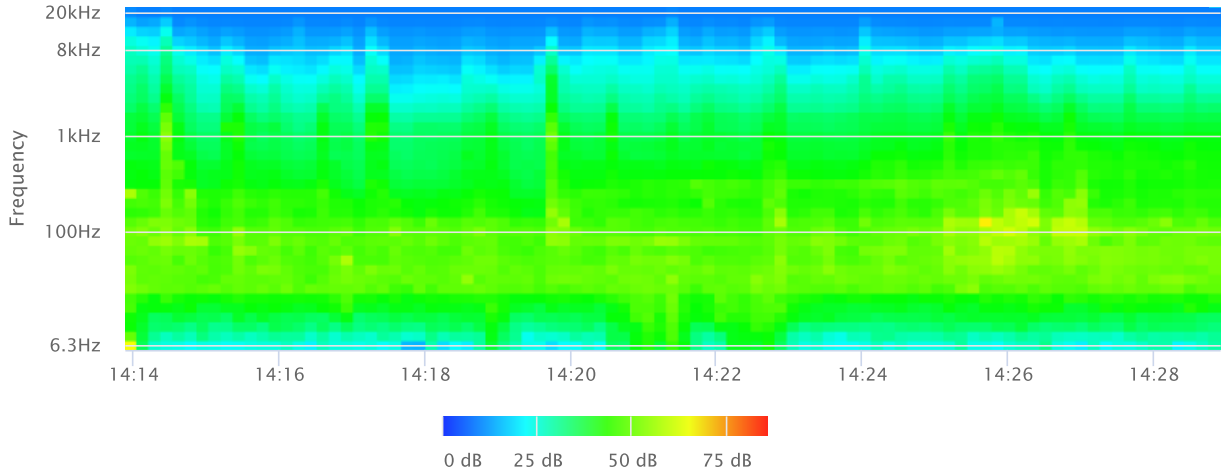
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
14:14
14:16
14:18
14:20
14:22
14:24
14:26
14:28
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM10 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 480 S Redlands Avenue , Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: ~70' E of hotel building 480 S Redlands Ave on concrete sidewalk. Adjacent: S Redlands Ave running N-S just E of NM1, E 4th Street running E-W 400' N of NM1, & 215 Fwy running NW-SE ~950' NE of NM1.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 102 deg F **Wind:** 1 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 2:50 PM **End Time:** 3:05 PM **Run Time:**

Leq:	67.8	dB
Lmax	82.5	dB
L2	76.9	dB
L8	72.9	dB
L25	66.4	dB
L50	61.6	dB

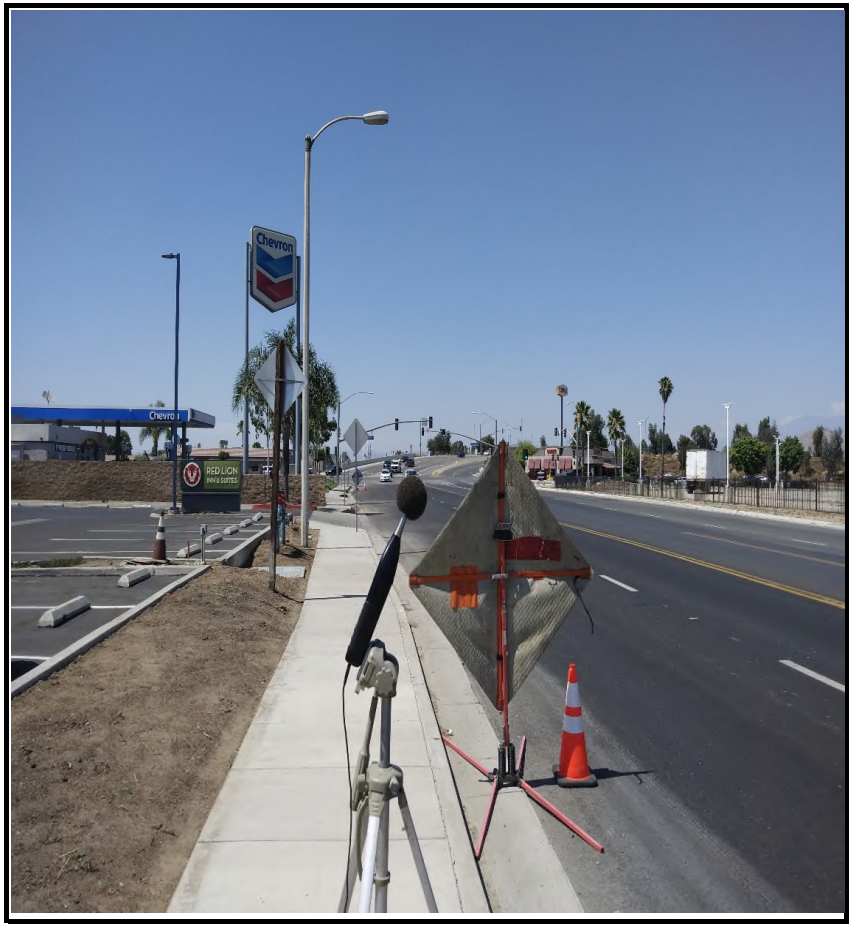
Primary Noise Source: Traffic noise from the 134 vehicles passing microphone traveling along S Redlands Avenue during 15 minute measurement.

Secondary Noise Sources: Some overhead air traffic, choppers and fixed wing propeller planes. Traffic ambiance from the 215 Fwy & other roads in area. Hotel AC unit ambiance.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:



NM10 looking N up S Redlands Avenue towards E 4th Street intersection (traffic lights ~400').

NM10 looking W away from S Redlands Avenue, across hotel parking lot, towards hotel building 480 S Redlands Avenue, Perris.

Summary	
File Name on Meter	LxT_Data.305.s
File Name on PC	LxT_0003099-20230726 145047-LxT_Data.305.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM10 33°46'52.50"N 117°13'3.01"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 14:50:47
Stop	2023-07-26 15:05:47
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 14:50:24
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
LA_{eq}	67.8		
LAE	97.3		
EA	599.866	µPa²h	
EA8	19.196	mPa²h	
EA40	95.979	mPa²h	
$LA_{peak\ (max)}$	2023-07-26 15:01:36	96.5	dB
LAS_{max}	2023-07-26 15:01:37	82.5	dB
LAS_{min}	2023-07-26 14:56:48	51.8	dB

		Statistics	
LC_{eq}	76.8 dB	**LA2.00**	76.9 dB
LA_{eq}	67.8 dB	**LA8.00**	72.9 dB
LC_{eq} - LA_{eq}	9.0 dB	**LA25.00**	66.4 dB
LAI_{eq}	69.4 dB	**LA50.00**	61.6 dB
LA_{eq}	67.8 dB	**LA66.60**	58.4 dB
LAI_{eq} - LA_{eq}	1.6 dB	**LA90.00**	55.1 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.305.s	Computer's File Name	LxT_0003099-20230726 145047-LxT_Data.305.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM10 33°46'52.50"N 117°13'3.01"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 14:50:47	Duration	0:15:00.0
End Time	2023-07-26 15:05:47	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	67.8 dB		
LAE	97.3 dB	SEA	--- dB
EA	599.9 µPa²h	LAFTM5	72.6 dB
EA8	19.2 mPa²h		
EA40	96.0 mPa²h		
LA_{peak}	96.5 dB	2023-07-26 15:01:36	
LAS_{max}	82.5 dB	2023-07-26 15:01:37	
LAS_{min}	51.8 dB	2023-07-26 14:56:48	
LA_{eq}	67.8 dB		
LC_{eq}	76.8 dB	LC_{eq} - LA_{eq}	9.0 dB
LAI_{eq}	69.4 dB	LAI_{eq} - LA_{eq}	1.6 dB

Exceedances

	Count	Duration
LAS > 65.0 dB	35	0:05:33.8
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	67.8 dB		76.8 dB		--- dB	
$L_{S(max)}$	82.5 dB	2023-07-26 15:01:37	--- dB		--- dB	
$L_{S(min)}$	51.8 dB	2023-07-26 14:56:48	--- dB		--- dB	
$L_{Peak(max)}$	96.5 dB	2023-07-26 15:01:36	--- dB		--- dB	

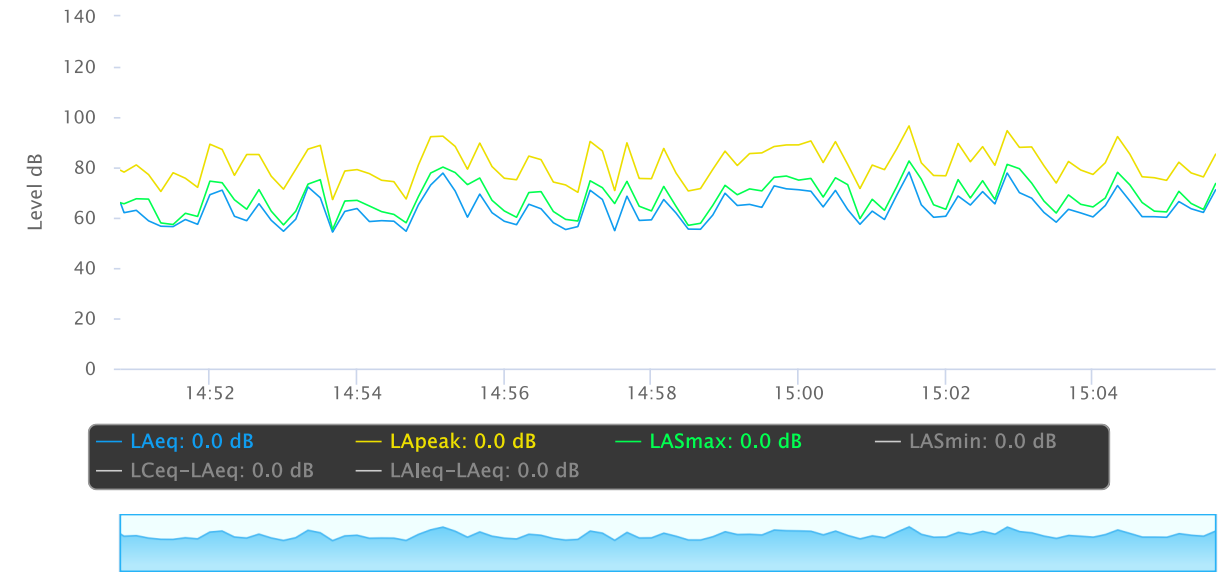
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

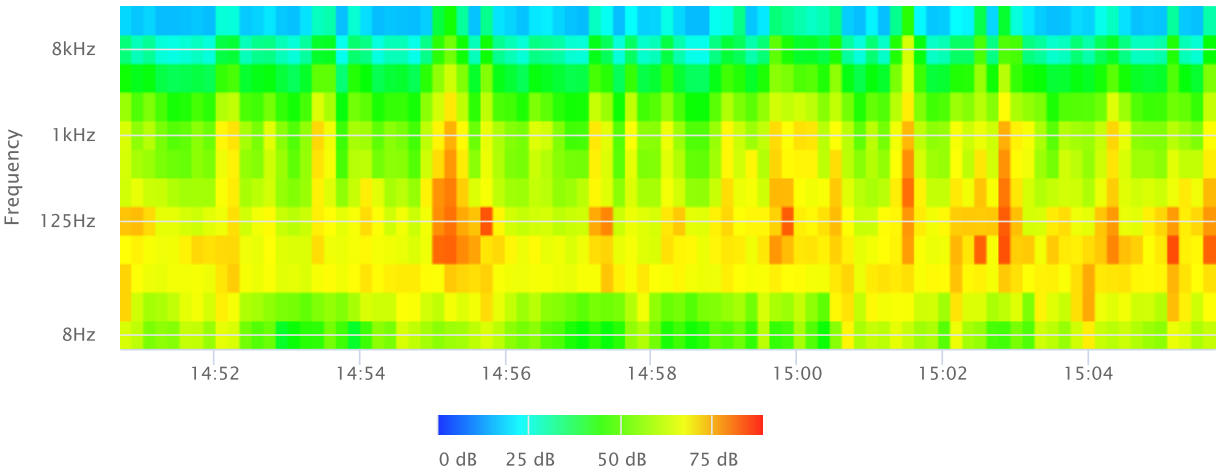
Statistics

LAS 2.0	76.9 dB
LAS 8.0	72.9 dB
LAS 25.0	66.4 dB
LAS 50.0	61.6 dB
LAS 66.6	58.4 dB
LAS 90.0	55.1 dB

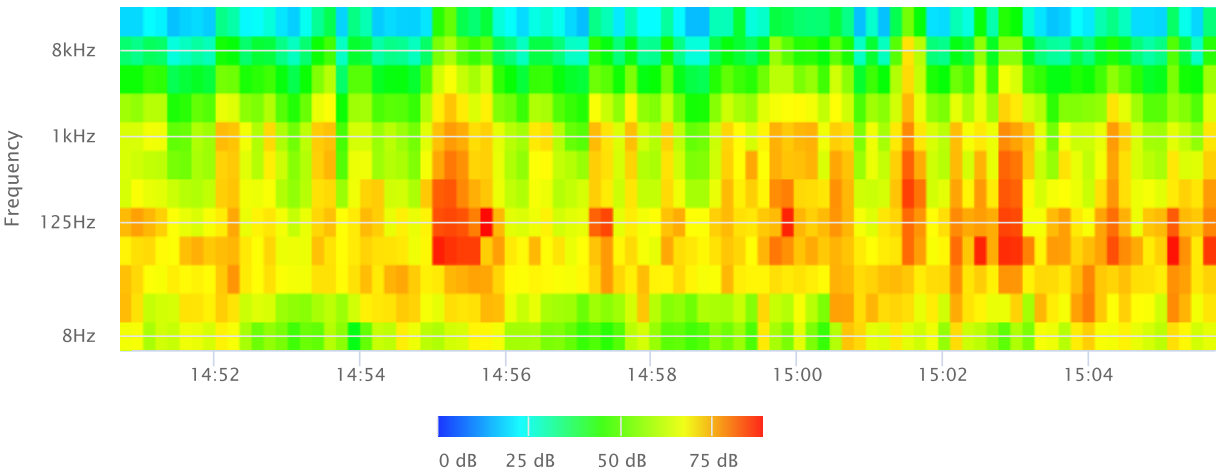
Time History



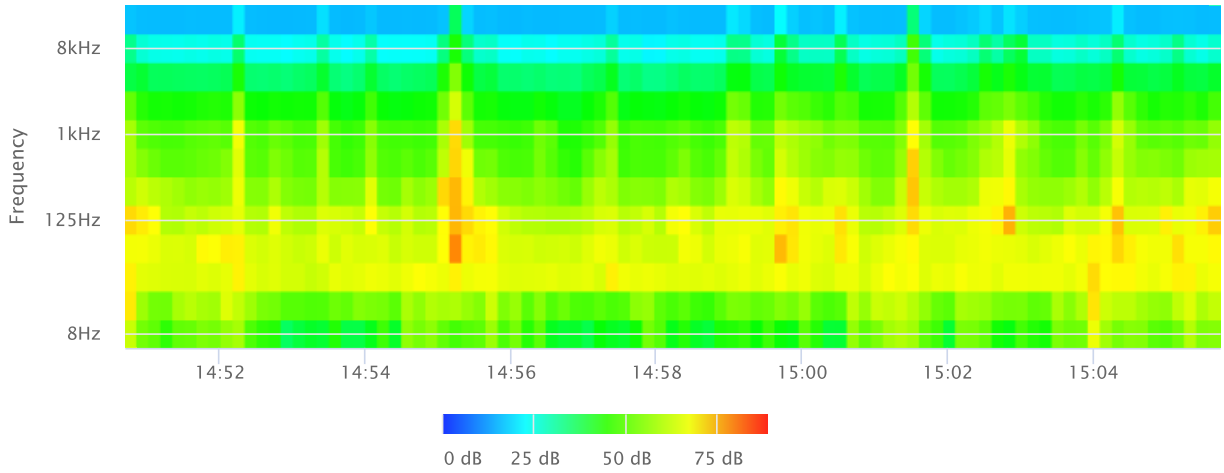
OBA 1/1 Leq



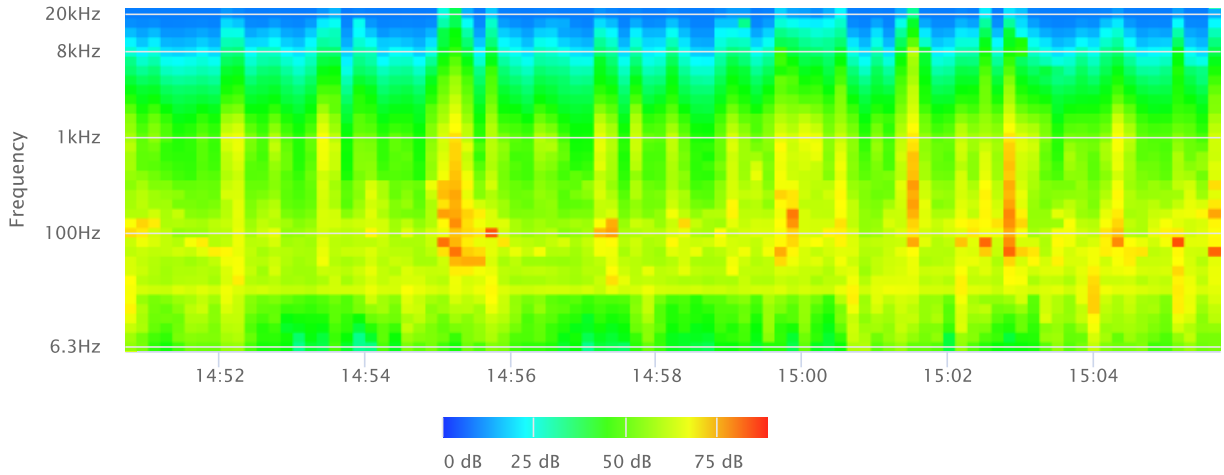
OBA 1/1 Lmax



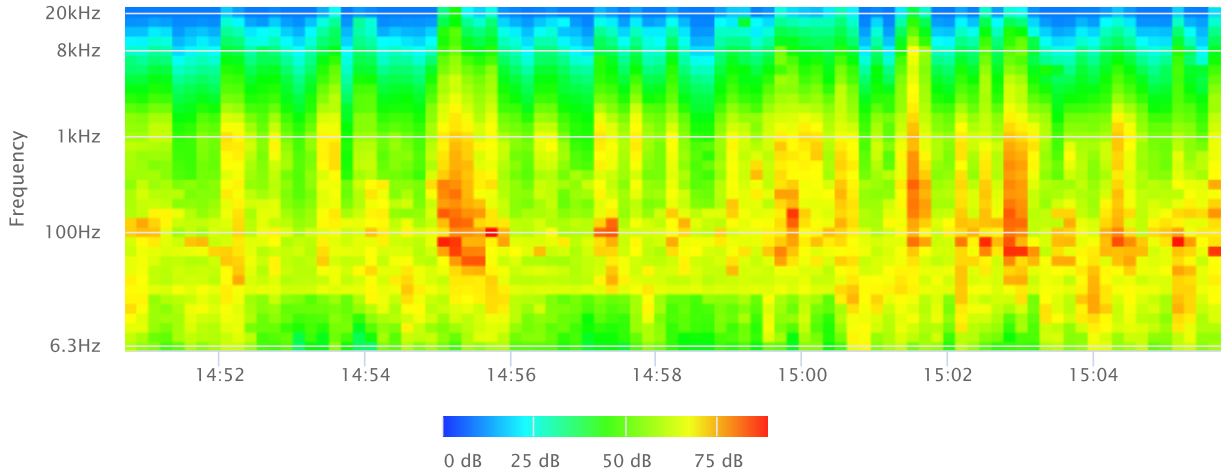
OBA 1/1 Lmin



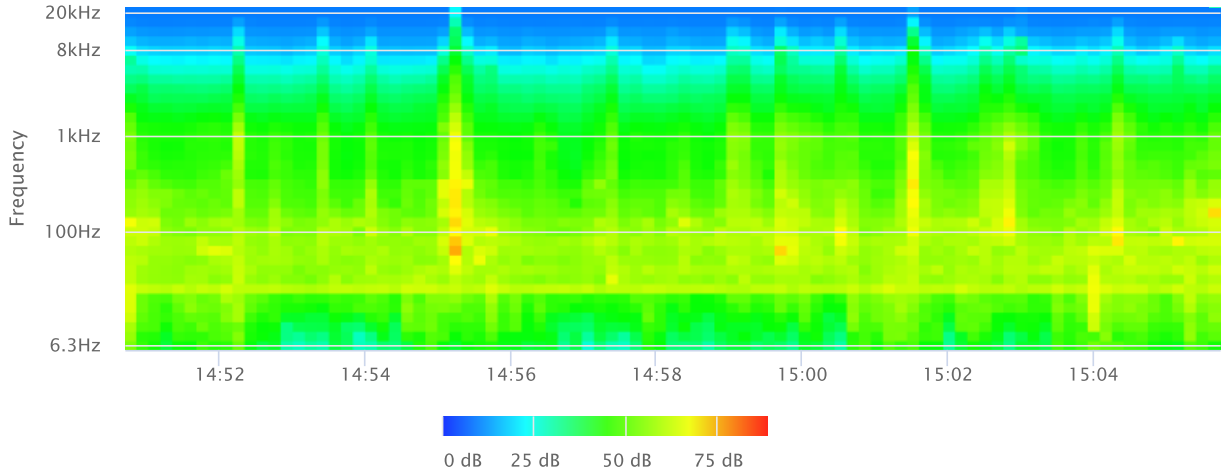
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
14:52
14:54
14:56
14:58
15:00
15:02
15:04
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM11 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: S G Street & E Ellis Ave, Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: ~400' E of E Ellis Ave & Goetz Rd intersection. E Ellis Rd is a dirt road at this location. Adjacent: E Ellis Rd running E-W, vacant land to the N, private airport runway & open land to the S. Case Rd intersection ~800' E of NM11.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 104 deg F **Wind:** 1 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 3:29 PM **End Time:** 3:44 PM **Run Time:**

Leq:	53.4	dB	**Primary Noise Source:** Traffic ambiance from Case Rd, Goetz Rd and other surrounding roads.
Lmax	70	dB	1 vehicle passed microphone at 3:41PM causing L(max) on NM11 measurement.
L2	61.1	dB	**Secondary Noise Sources:** Bird song. Some overhead air traffic, choppers and fixed wing propeller planes.
L8	56.2	dB	No planes taking off on runway S of NM11 during 15 minute measuremnt.
L25	52.7	dB	
L50	50.1	dB	

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM11 looking W down E Ellis Ave towards Goetz Road intersection (~400').

NM11 looking N across almost empty land towards Goetz Rd & Case Rd intersection (traffic lights ~800' NNW).

Summary				
File Name on Meter	LxT_Data.306.s			
File Name on PC	LxT_0003099-20230726 152920-LxT_Data.306.ldbin			
Serial Number	0003099			
Model	SoundTrack LxT®			
Firmware Version	2.404			
User	Ian Edward Gallagher			
Location	NM11 33°46'19.55"N 117°13'19.97"W			
Job Description	15 minute noise measurement (1 x 15 minutes)			
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures			
Measurement				
Start	2023-07-26 15:29:20			
Stop	2023-07-26 15:44:20			
Duration	00:15:00.0			
Run Time	00:15:00.0			
Pause	00:00:00.0			
Pre-Calibration	2023-07-26 15:28:43			
Post-Calibration	None			
Overall Settings				
RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamplifier	PRMLxT1L			
Microphone Correction	Off			
Integration Method	Linear			
OBA Range	Normal			
OBA Bandwidth	1/1 and 1/3			
OBA Frequency Weighting	C Weighting			
OBA Max Spectrum	At LMax			
Overload	122.8 dB			
Results				
LA_{eq}	53.4			
LAE	83.0			
EA	21.956 µPa²h			
EA8	702.592 µPa²h			
EA40	3.513 mPa²h			
$LA_{peak\ (max)}$	2023-07-26 15:41:15	99.2 dB		
LAS_{max}	2023-07-26 15:41:15	70.0 dB		
LAS_{min}	2023-07-26 15:38:13	43.2 dB		
			Statistics	
LC_{eq}	70.1 dB		**LA2.00**	61.1 dB
LA_{eq}	53.4 dB		**LA8.00**	56.2 dB
LC_{eq} - LA_{eq}	16.7 dB		**LA25.00**	52.7 dB
LAI_{eq}	57.5 dB		**LA50.00**	50.1 dB
LA_{eq}	53.4 dB		**LA66.60**	48.7 dB
LAI_{eq} - LA_{eq}	4.1 dB		**LA90.00**	45.7 dB
Overload Count	0			

Measurement Report

Report Summary

Meter's File Name	LxT_Data.306.s	Computer's File Name	LxT_0003099-20230726 152920-LxT_Data.306.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM11 33°46'19.55"N 117°13'19.97"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 15:29:20	Duration	0:15:00.0
End Time	2023-07-26 15:44:20	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	53.4 dB		
LAE	83.0 dB	SEA	--- dB
EA	22.0 µPa²h	LAFTM5	59.3 dB
EA8	702.6 µPa²h		
EA40	3.5 mPa²h		
LA_{peak}	99.2 dB	2023-07-26 15:41:15	
LAS_{max}	70.0 dB	2023-07-26 15:41:15	
LAS_{min}	43.2 dB	2023-07-26 15:38:13	
LA_{eq}	53.4 dB		
LC_{eq}	70.1 dB	LC_{eq} - LA_{eq}	16.7 dB
LAI_{eq}	57.5 dB	LAI_{eq} - LA_{eq}	4.1 dB

Exceedances	Count	Duration
LAS > 65.0 dB	2	0:00:10.1
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

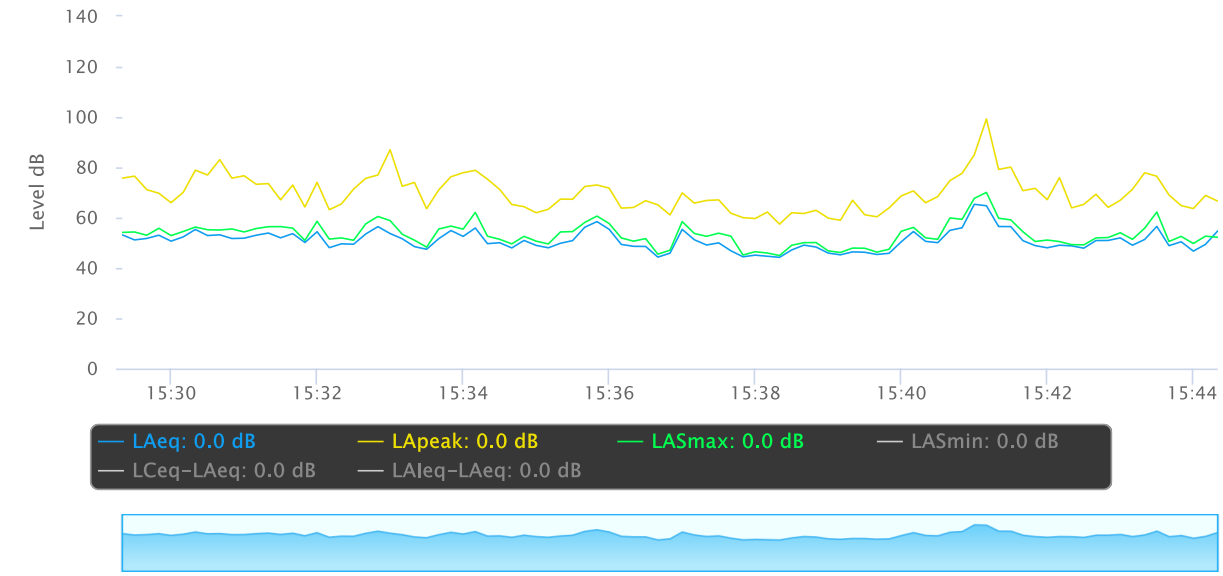
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	53.4 dB		70.1 dB		--- dB	
$L_{S(max)}$	70.0 dB	2023-07-26 15:41:15	--- dB		--- dB	
$L_{S(min)}$	43.2 dB	2023-07-26 15:38:13	--- dB		--- dB	
$L_{Peak(max)}$	99.2 dB	2023-07-26 15:41:15	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

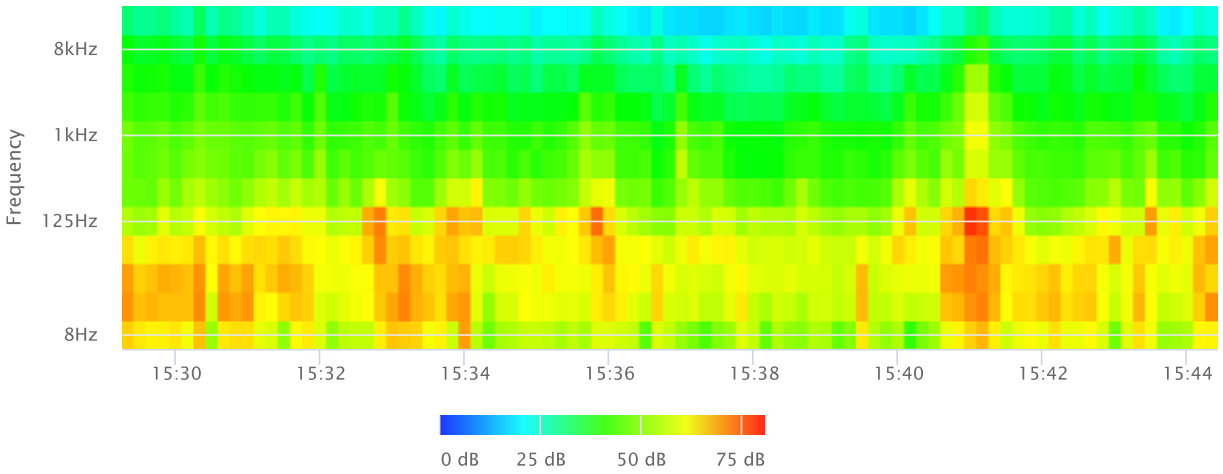
Statistics

LAS 2.0	61.1 dB
LAS 8.0	56.2 dB
LAS 25.0	52.7 dB
LAS 50.0	50.1 dB
LAS 66.6	48.7 dB
LAS 90.0	45.7 dB

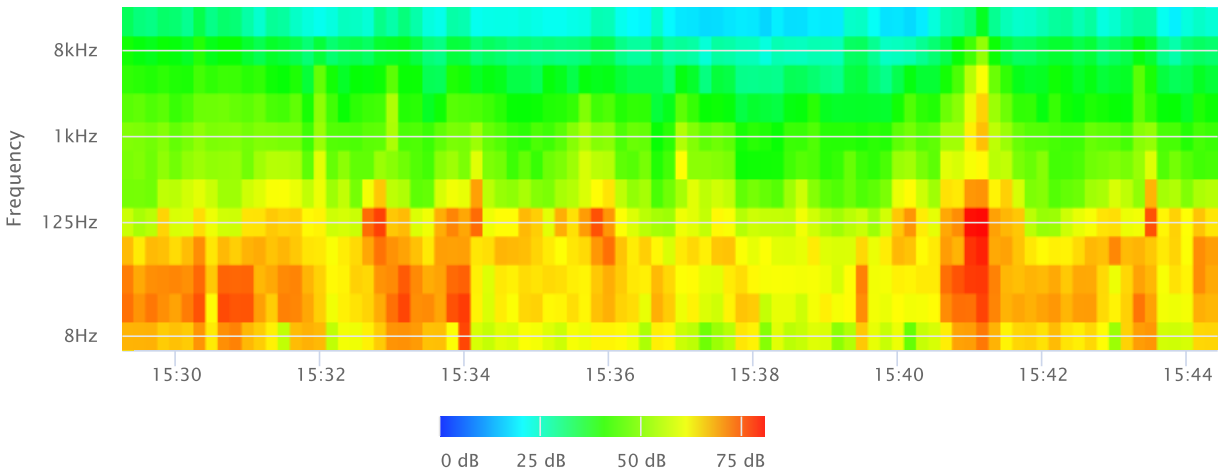
Time History



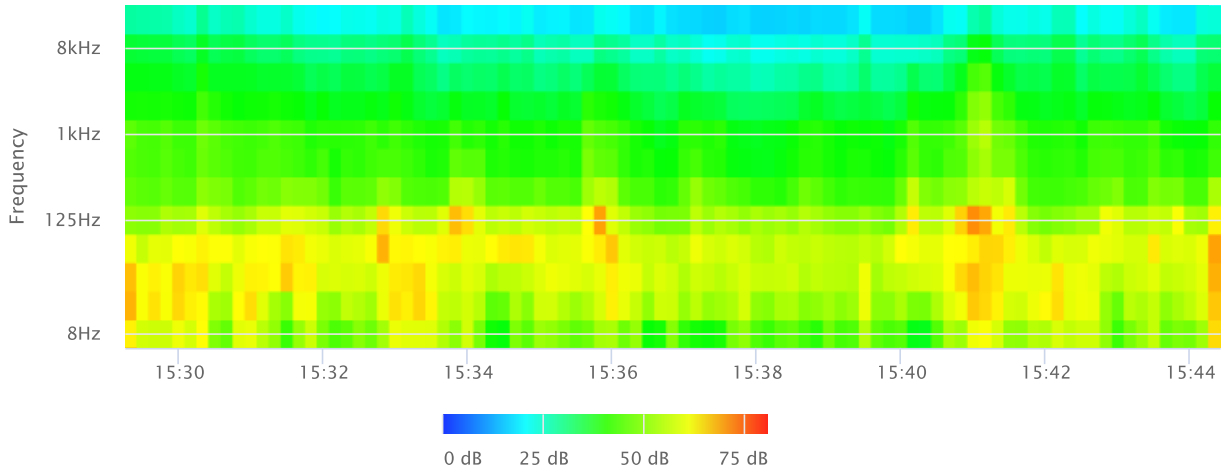
OBA 1/1 Leq



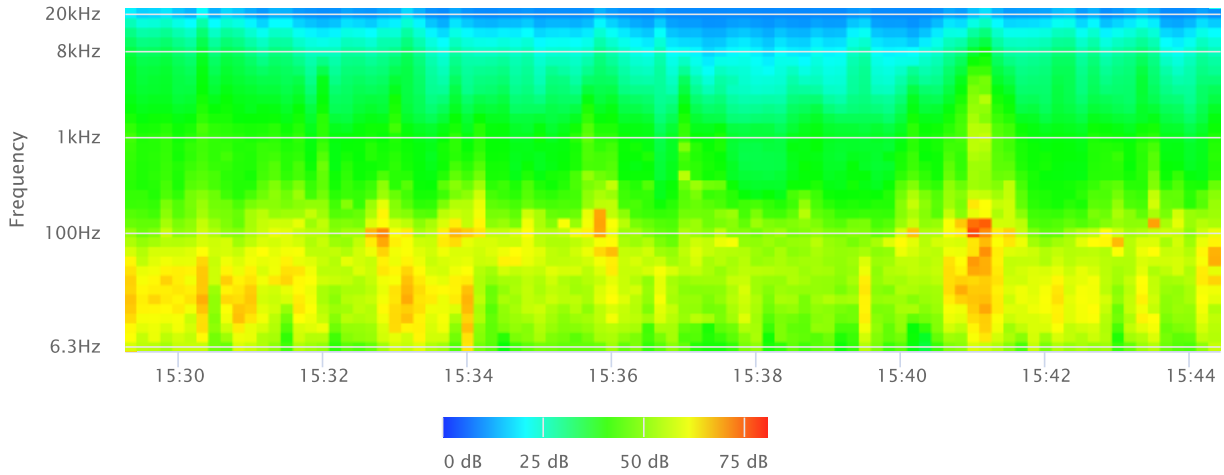
OBA 1/1 Lmax



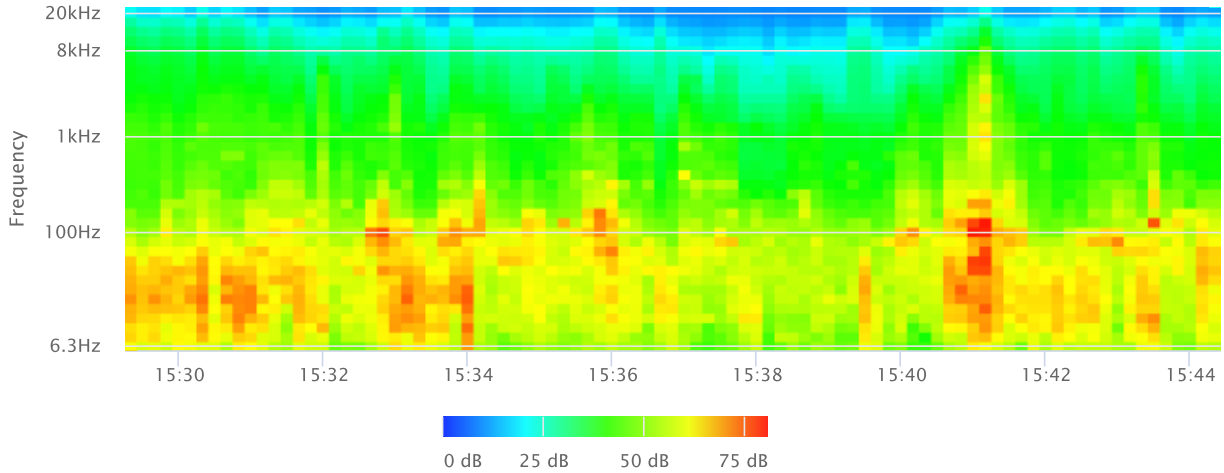
OBA 1/1 Lmin



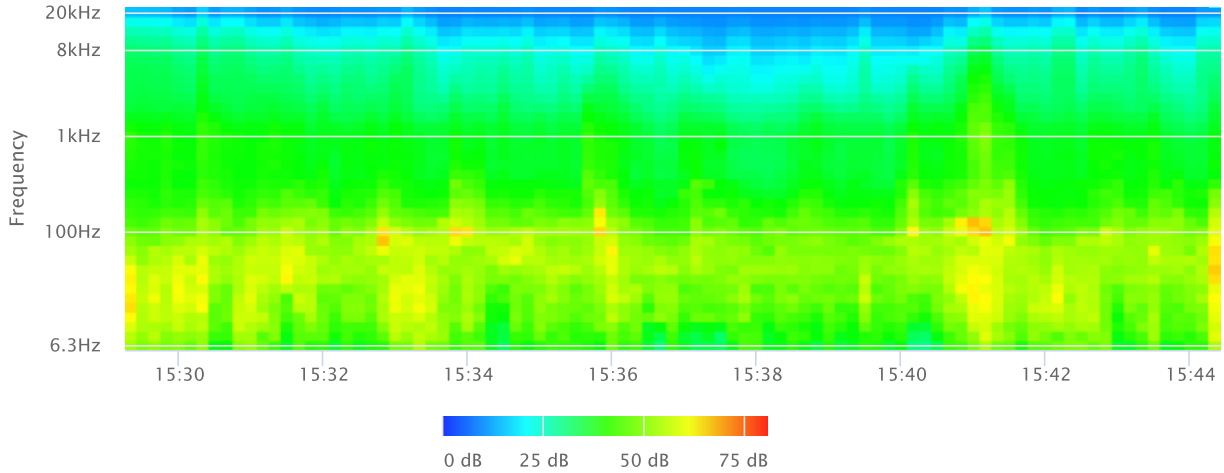
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
15:30
15:32
15:34
15:36
15:38
15:40
15:42
15:44
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM12 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: S Perris Blvd & Perou Street, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Eastern side of S Perris Blvd beween Perou St & Midway St.

Adjacent: Multi-family residential to east and S Perris Blvd to west with single-family and multi-family residnetial further west.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 104 deg F **Wind:** 8 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 6:01 PM **End Time:** 6:16 PM **Run Time:**

Leq: 61 dB
Lmax 74.2 dB
L2 69.7 dB
L8 66.5 dB
L25 59.7 dB
L50 54.6 dB

Primary Noise Source: 34 vehicles passed microphone traveling along S Perris Blvd during 15 minute measurement. Traffic ambiance from vehicles on other roads.

Secondary Noise Sources: Bird song. Some overhead air traffic, choppers and fixed wing propeller planes. Some residential ambiance. AC unit ambiance from each residence.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM12 looking N up S Perris Blvd towards E 11th Street intersection (~440').
Perou Street intersection with S Perris Blvd on the left (~140').

NM12 looking SSW across S Perris Blvd towards Midway Street intersection (~210').

Summary	
File Name on Meter	LxT_Data.307.s
File Name on PC	LxT_0003099-20230726 180114-LxT_Data.307.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM12 33°46'28.02"N 117°13'33.37"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 18:01:14
Stop	2023-07-26 18:16:14
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 18:00:20
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	123.0 dB

Results			
LA_{eq}	61.0		
LAE	90.6		
EA	126.168	µPa²h	
EA8	4.037	mPa²h	
EA40	20.187	mPa²h	
$LA_{peak\ (max)}$	2023-07-26 18:13:24	89.3	dB
LAS_{max}	2023-07-26 18:08:58	74.2	dB
LAS_{min}	2023-07-26 18:06:08	49.4	dB

		Statistics	
LC_{eq}	70.6 dB	**LA2.00**	69.7 dB
LA_{eq}	61.0 dB	**LA8.00**	66.5 dB
LC_{eq} - LA_{eq}	9.6 dB	**LA25.00**	59.7 dB
LAI_{eq}	62.7 dB	**LA50.00**	54.6 dB
LA_{eq}	61.0 dB	**LA66.60**	53.1 dB
LAI_{eq} - LA_{eq}	1.7 dB	**LA90.00**	51.5 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.307.s	Computer's File Name	LxT_0003099-20230726 180114-LxT_Data.307.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM12 33°46'28.02"N 117°13'33.37"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 18:01:14	Duration	0:15:00.0
End Time	2023-07-26 18:16:14	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	61.0 dB		
LAE	90.6 dB	SEA	--- dB
EA	126.2 µPa²h	LAFTM5	65.7 dB
EA8	4.0 mPa²h		
EA40	20.2 mPa²h		
LA_{peak}	89.3 dB	2023-07-26 18:13:24	
LAS_{max}	74.2 dB	2023-07-26 18:08:58	
LAS_{min}	49.4 dB	2023-07-26 18:06:08	
LA_{eq}	61.0 dB		
LC_{eq}	70.6 dB	LC_{eq} - LA_{eq}	9.6 dB
LAI_{eq}	62.7 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances	Count	Duration
LAS > 65.0 dB	24	0:02:05.7
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

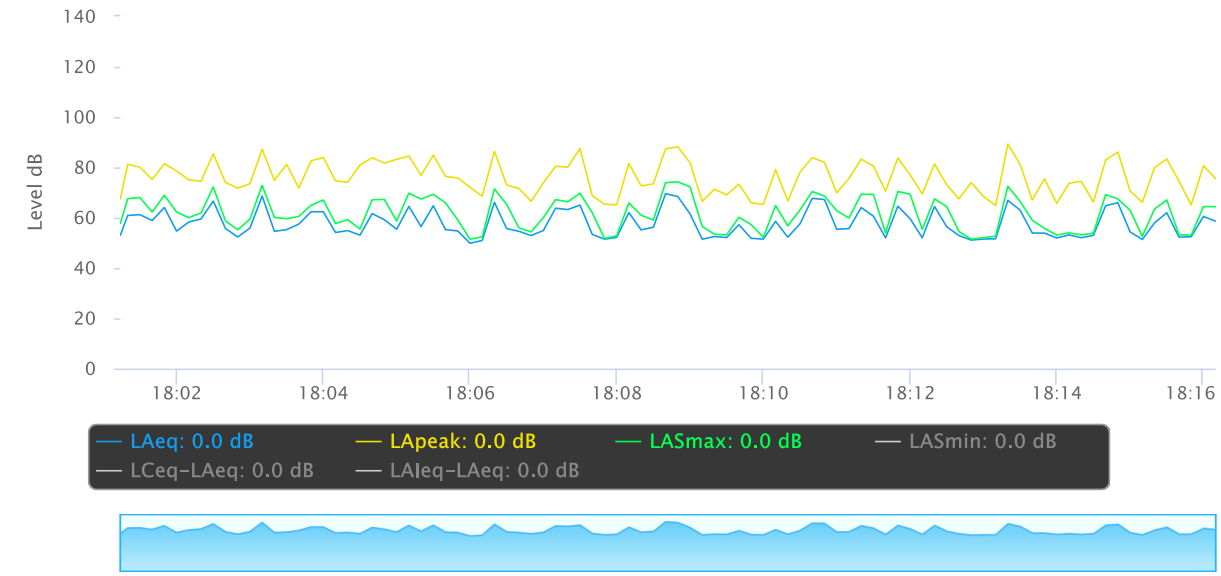
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	61.0 dB		70.6 dB		--- dB	
$L_{S(max)}$	74.2 dB	2023-07-26 18:08:58	--- dB		--- dB	
$L_{S(min)}$	49.4 dB	2023-07-26 18:06:08	--- dB		--- dB	
$L_{Peak(max)}$	89.3 dB	2023-07-26 18:13:24	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

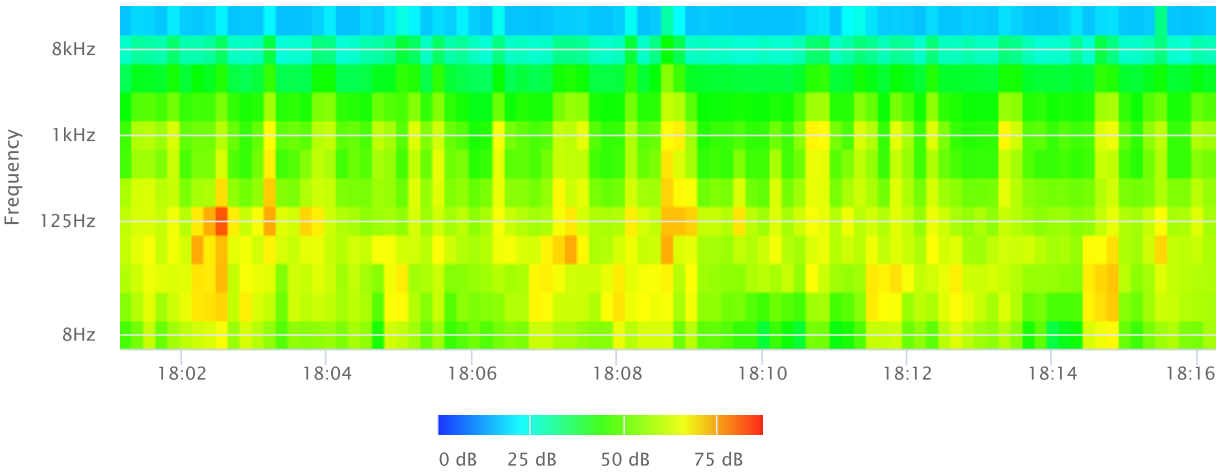
Statistics

LAS 2.0	69.7 dB
LAS 8.0	66.5 dB
LAS 25.0	59.7 dB
LAS 50.0	54.6 dB
LAS 66.6	53.1 dB
LAS 90.0	51.5 dB

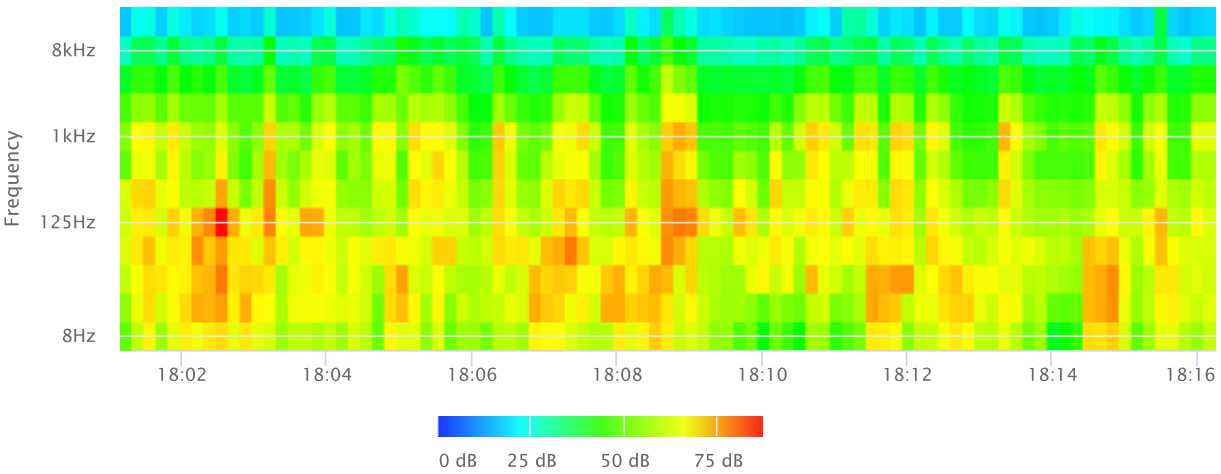
Time History



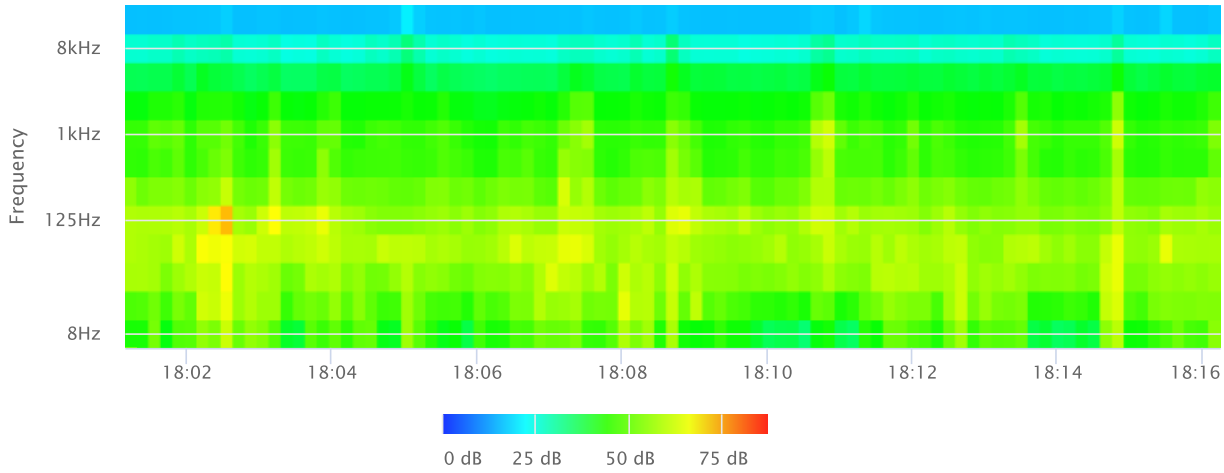
OBA 1/1 Leq



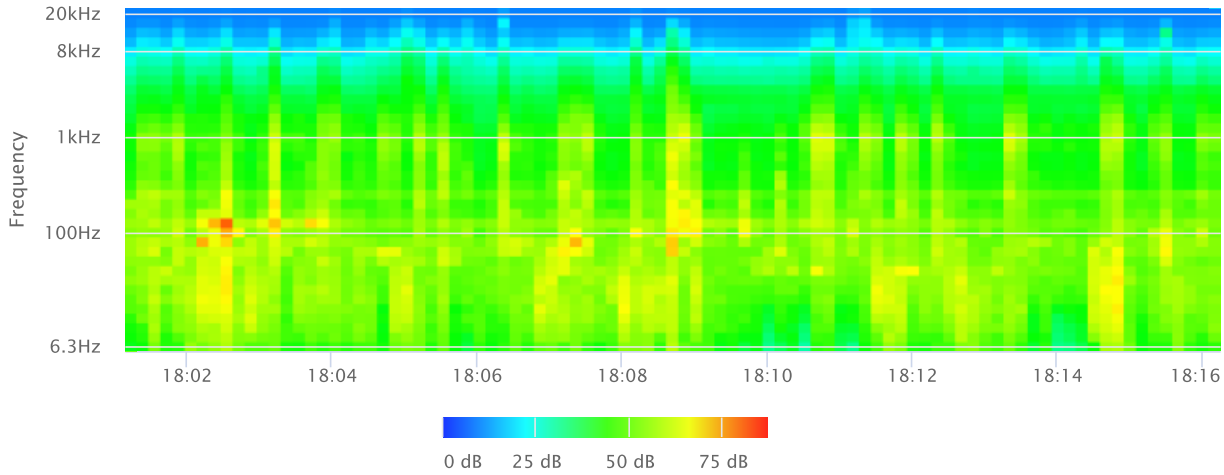
OBA 1/1 Lmax



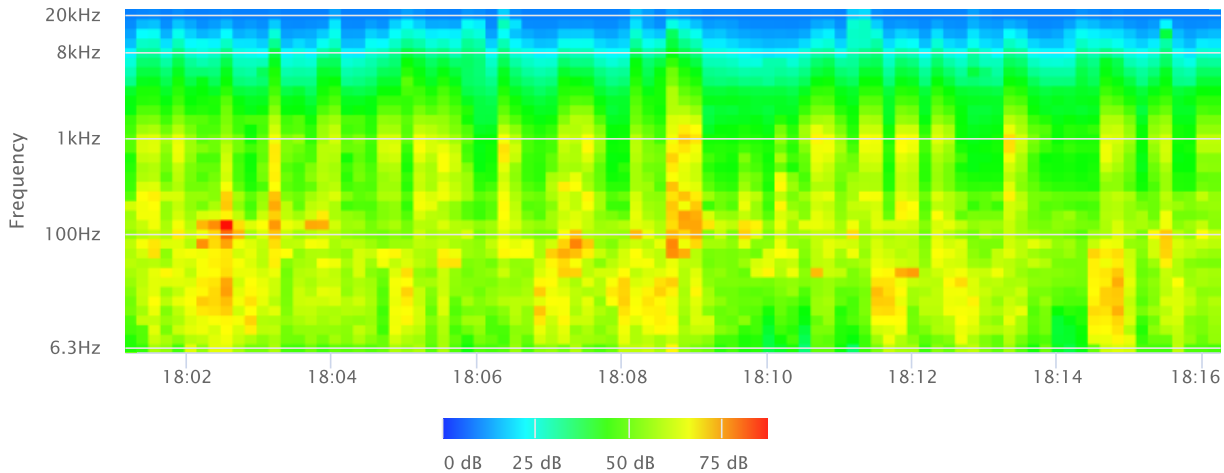
OBA 1/1 Lmin



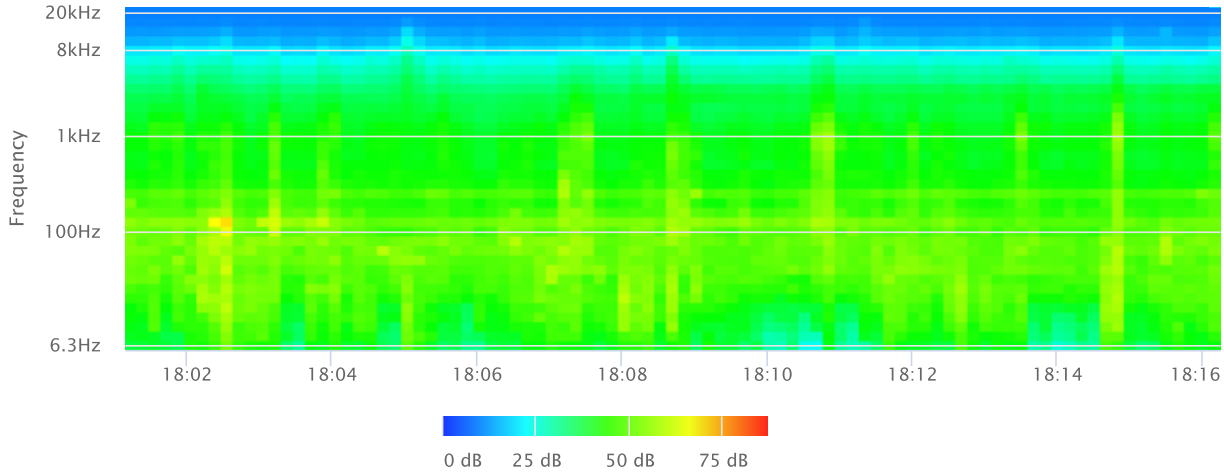
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
18:02
18:04
18:06
18:08
18:10
18:12
18:14
18:16
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM13 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 137 Mercado Street, Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Behind backyard wall to residence 137 Mercado St, within concrete side walk to E Ellis Ave. Adjacent: E Ellis Ave running E-W just S of NM13. Residential to the N and storage area to the S.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 103 deg F **Wind:** 8 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 6:52 PM **End Time:** 7:07 PM **Run Time:**

Leq: 50.3 dB
Lmax 70 dB
L2 53.9 dB
L8 49.5 dB
L25 47.8 dB
L50 47.3 dB

Primary Noise Source: 2 vehicles passed microphone traveling along E Ellis Ave during 15 minute measurement. Traffic ambiance from vehicles on other roads.

Secondary Noise Sources: Bird song. Some overhead air traffic, choppers and fixed wing propeller planes. Some residential ambiance. AC unit ambiance from each residence.

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM13 looking W down E Ellis Ave, road is closed ~230' W.

NM13 looking NNW over 6' tall concrete block wall towards backyard of residence 137 Mercado Street, Perris.

Summary	
File Name on Meter	LxT_Data.308.s
File Name on PC	LxT_0003099-20230726 185221-LxT_Data.308.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM13 33°46'19.94"N 117°13'47.15"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 18:52:21
Stop	2023-07-26 19:07:21
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 18:51:53
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	123.0 dB

Results			
LA_{eq}		50.3	
LAE		79.9	
EA		10.778	µPa²h
EA8		344.881	µPa²h
EA40		1.724	mPa²h
$LA_{peak\ (max)}$	2023-07-26 18:53:48	89.9	dB
LAS_{max}	2023-07-26 18:53:38	70.0	dB
LAS_{min}	2023-07-26 18:52:27	46.3	dB

		Statistics	
LC_{eq}	64.2 dB	**LA2.00**	53.9 dB
LA_{eq}	50.3 dB	**LA8.00**	49.5 dB
LC_{eq} - LA_{eq}	13.8 dB	**LA25.00**	47.8 dB
LAI_{eq}	52.4 dB	**LA50.00**	47.3 dB
LA_{eq}	50.3 dB	**LA66.60**	47.2 dB
LAI_{eq} - LA_{eq}	2.1 dB	**LA90.00**	46.9 dB
Overload Count	0		

Measurement Report

Report Summary

Meter's File Name	LxT_Data.308.s	Computer's File Name	LxT_0003099-20230726 185221-LxT_Data.308.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM13 33°46'19.94"N 117°13'47.15"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 18:52:21	Duration	0:15:00.0
End Time	2023-07-26 19:07:21	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	50.3 dB		
LAE	79.9 dB	SEA	--- dB
EA	10.8 µPa²h	LAFTM5	54.4 dB
EA8	344.9 µPa²h		
EA40	1.7 mPa²h		
LA_{peak}	89.9 dB	2023-07-26 18:53:48	
LAS_{max}	70.0 dB	2023-07-26 18:53:38	
LAS_{min}	46.3 dB	2023-07-26 18:52:27	
LA_{eq}	50.3 dB		
LC_{eq}	64.2 dB	LC_{eq} - LA_{eq}	13.8 dB
LAI_{eq}	52.4 dB	LAI_{eq} - LA_{eq}	2.1 dB

Exceedances	Count	Duration
LAS > 65.0 dB	1	0:00:06.3
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	--- dB	--- dB	0.0 dB

	LDEN	LDay	LEve	LNight
	--- dB	--- dB	--- dB	--- dB

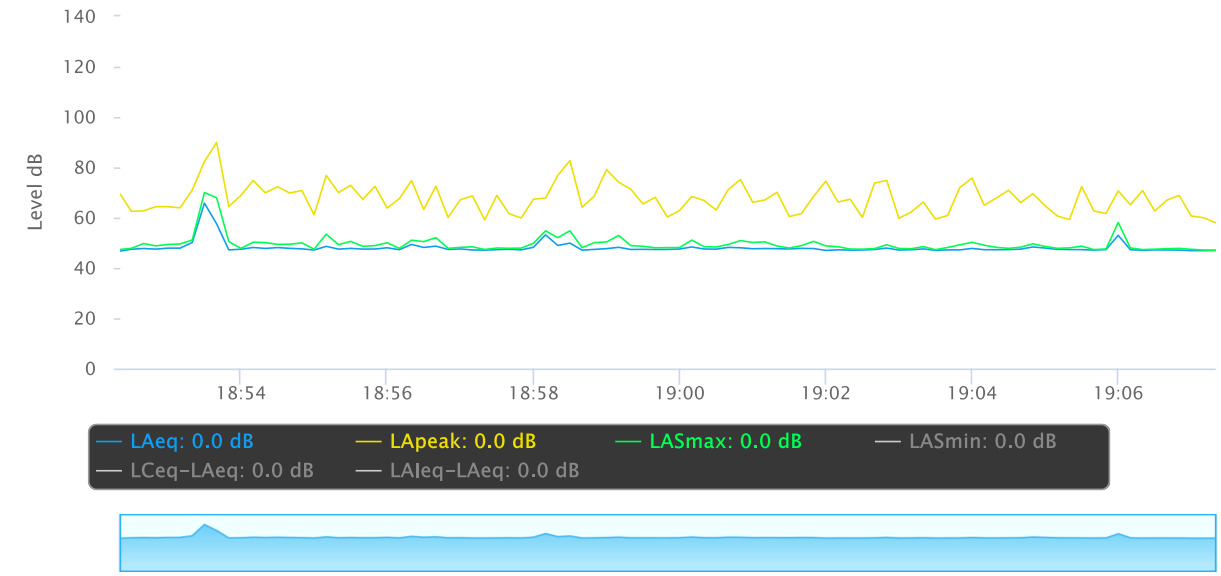
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	50.3 dB		64.2 dB		--- dB	
$L_{S(max)}$	70.0 dB	2023-07-26 18:53:38	--- dB		--- dB	
$L_{S(min)}$	46.3 dB	2023-07-26 18:52:27	--- dB		--- dB	
$L_{Peak(max)}$	89.9 dB	2023-07-26 18:53:48	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

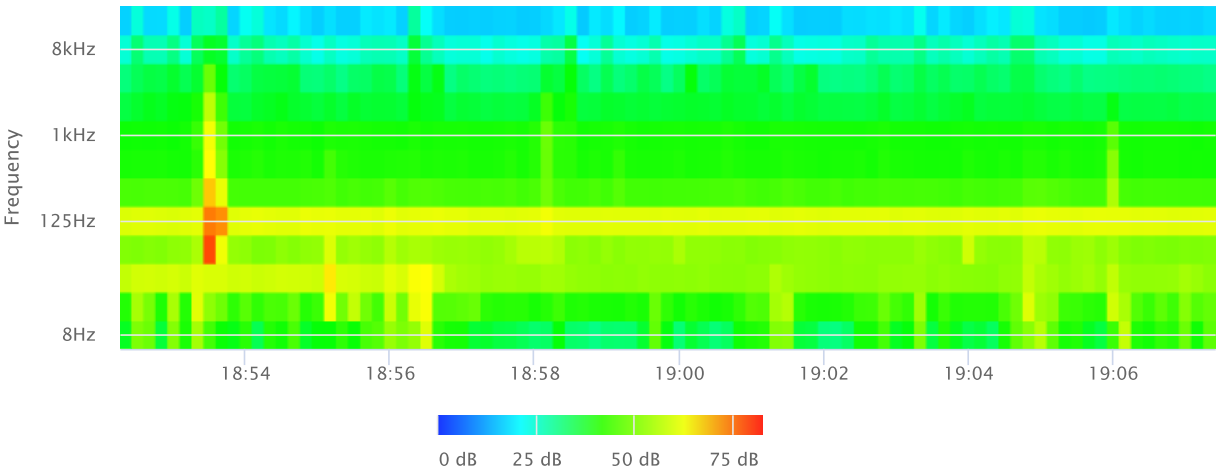
Statistics

LAS 2.0	53.9 dB
LAS 8.0	49.5 dB
LAS 25.0	47.8 dB
LAS 50.0	47.3 dB
LAS 66.6	47.2 dB
LAS 90.0	46.9 dB

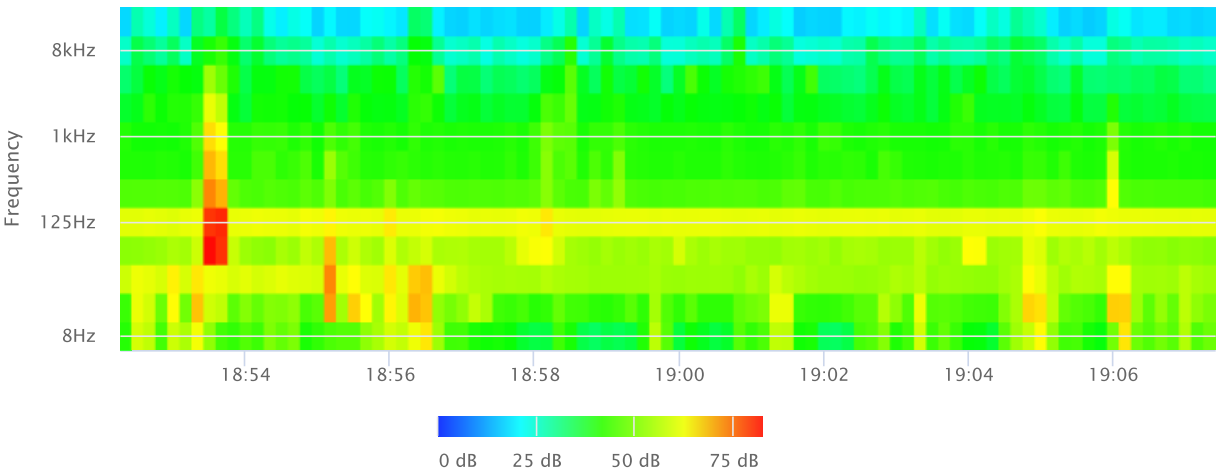
Time History



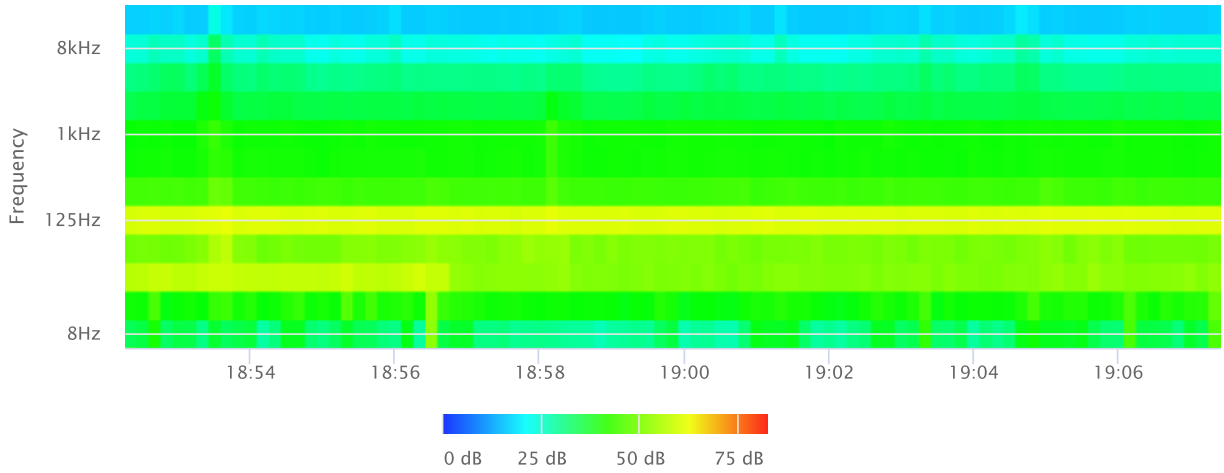
OBA 1/1 Leq



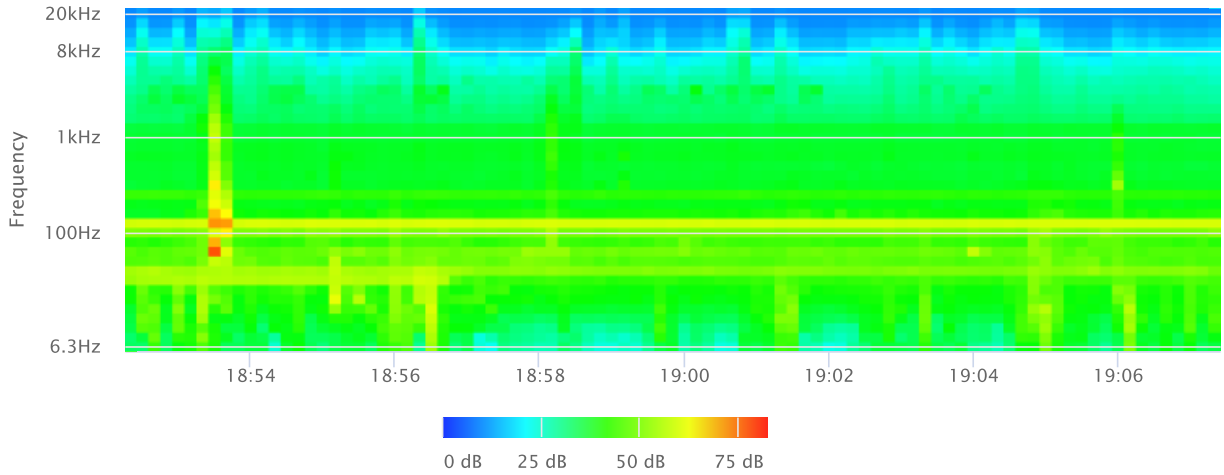
OBA 1/1 Lmax



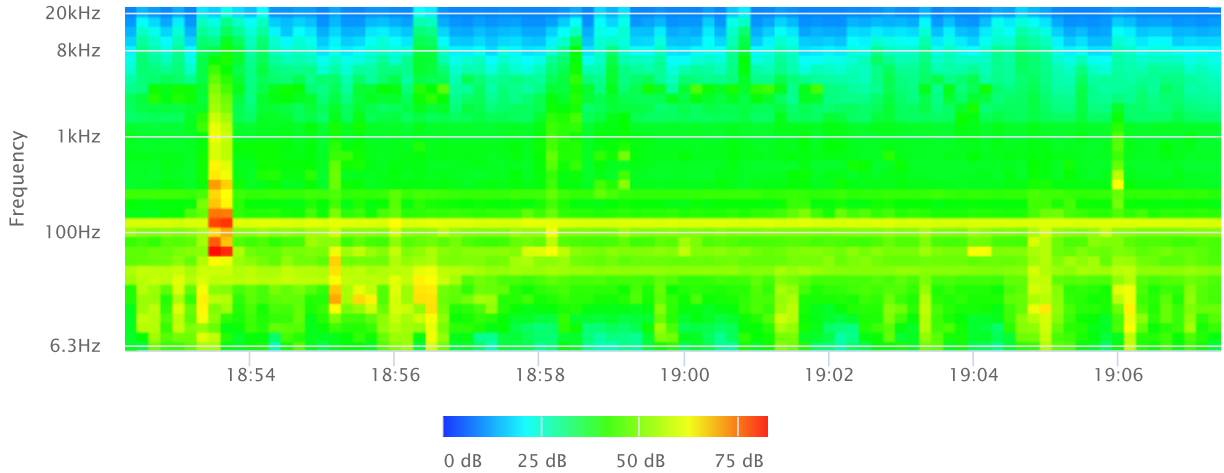
OBA 1/1 Lmin



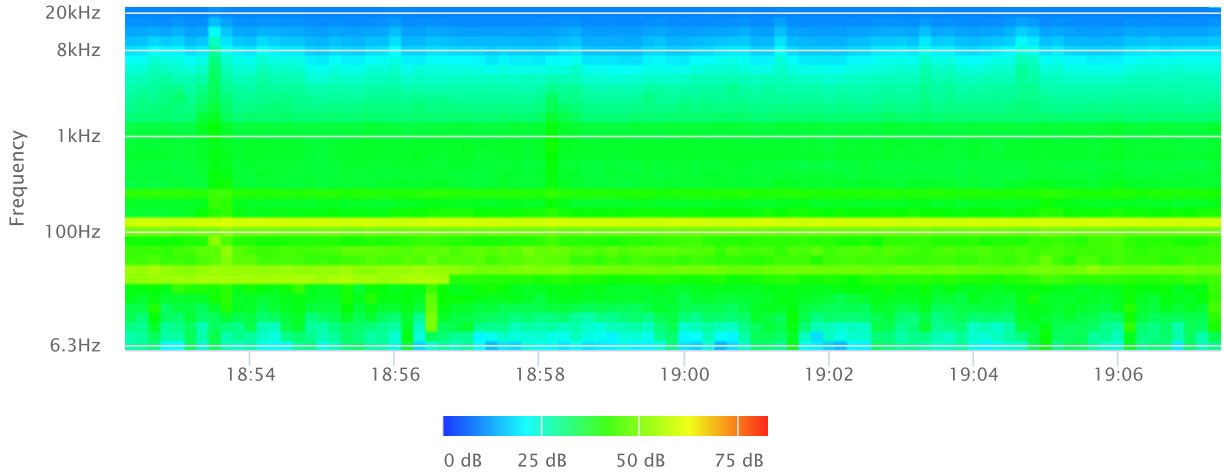
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
18:54
18:56
18:58
19:00
19:02
19:04
19:06
0 dB
25 dB
50 dB
75 dB

Noise Measurement
Field Data

Project Name: City of Perris Housing Implementation Measures **Date:** July 26, 2023

Project #: 19598

Noise Measurement #: NM14 Run Time: 15 minutes (1 x 15 minutes) **Technician:** Ian Edward Gallagher

Nearest Address or Cross Street: 1270 Park Ave, Perris, CA 92570

Site Description (Type of Existing Land Use and any other notable features): Measurement Location: Behind backyard to residence 1270 Park Ave, by dirt road

E Ellis Ave. Adjacent: E Ellis Ave running E-W (dirt road) just S of NM14. Residential to the N & vacant, rocky land to the S.

Weather: <5% cloud, sunshine. Sunset 7:59 PM **Settings:** SLOW FAST

Temperature: 103 deg F **Wind:** 8 mph **Humidity:** 36% **Terrain:** Flat

Start Time: 7:35 PM **End Time:** 7:50 PM **Run Time:**

Leq: 45.6 dB **Primary Noise Source:** Traffic ambiance from vehicles on surrounding roads.

Lmax 59.6 dB

L2 51.7 dB **Secondary Noise Sources:** Some overhead air traffic, choppers and fixed wing propeller planes.

L8 47.4 dB Some residential ambiance.

L25 45.5 dB

L50 44.0 dB

NOISE METER:	SoundTrack LXT Class 1	**CALIBRATOR:**	Larson Davis CA 250
MAKE:	Larson Davis	**MAKE:**	Larson Davis
MODEL:	LXT1	**MODEL:**	CA 250
SERIAL NUMBER:	3099	**SERIAL NUMBER:**	2723
FACTORY CALIBRATION DATE:	11/17/2021	**FACTORY CALIBRATION DATE:**	11/18/2021
FIELD CALIBRATION DATE:	7/26/2023		

Noise Measurement
Field Data

PHOTOS:

NM14 looking S across dirt road, E Ellis Avenue, towards vacant, rocky land.

NM14 looking NE towards large rock towards backyard of residence 1270 Park Avenue, Perris.

Summary	
File Name on Meter	LxT_Data.309.s
File Name on PC	LxT_0003099-20230726 193531-LxT_Data.309.ldbin
Serial Number	0003099
Model	SoundTrack LxT®
Firmware Version	2.404
User	Ian Edward Gallagher
Location	NM14 33°46'19.41"N 117°14'14.44"W
Job Description	15 minute noise measurement (1 x 15 minutes)
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures

Measurement	
Start	2023-07-26 19:35:31
Stop	2023-07-26 19:50:31
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-07-26 19:35:10
Post-Calibration	None

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	C Weighting
OBA Max Spectrum	At LMax
Overload	122.8 dB

Results			
LA_{eq}	45.6		
LAE	75.1		
EA	3.617	µPa²h	
EA8	115.732	µPa²h	
EA40	578.657	µPa²h	
$LA_{peak\ (max)}$	2023-07-26 19:41:25	87.6	dB
LAS_{max}	2023-07-26 19:43:41	59.6	dB
LAS_{min}	2023-07-26 19:35:46	39.5	dB

			Statistics		
LC_{eq}	60.0	dB	**LA2.00**	51.7	dB
LA_{eq}	45.6	dB	**LA8.00**	47.4	dB
LC_{eq} - LA_{eq}	14.4	dB	**LA25.00**	45.5	dB
LAI_{eq}	49.2	dB	**LA50.00**	44.0	dB
LA_{eq}	45.6	dB	**LA66.60**	43.2	dB
LAI_{eq} - LA_{eq}	3.6	dB	**LA90.00**	41.8	dB
Overload Count	0				

Measurement Report

Report Summary

Meter's File Name	LxT_Data.309.s	Computer's File Name	LxT_0003099-20230726 193531-LxT_Data.309.ldbin
Meter	LxT1 0003099		
Firmware	2.404		
User	Ian Edward Gallagher	Location	NM14 33°46'19.41"N 117°14'14.44"W
Job Description	15 minute noise measurement (1 x 15 minutes)		
Note	Ganddini Project 19598 City of Perris Housing Implementation Measures		
Start Time	2023-07-26 19:35:31	Duration	0:15:00.0
End Time	2023-07-26 19:50:31	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	45.6 dB		
LAE	75.1 dB	SEA	--- dB
EA	3.6 µPa²h	LAFTM5	51.3 dB
EA8	115.7 µPa²h		
EA40	578.7 µPa²h		
LA_{peak}	87.6 dB	2023-07-26 19:41:25	
LAS_{max}	59.6 dB	2023-07-26 19:43:41	
LAS_{min}	39.5 dB	2023-07-26 19:35:46	
LA_{eq}	45.6 dB		
LC_{eq}	60.0 dB	LC_{eq} - LA_{eq}	14.4 dB
LAI_{eq}	49.2 dB	LAI_{eq} - LA_{eq}	3.6 dB

Exceedances

	Count	Duration
LAS > 65.0 dB	0	0:00:00.0
LAS > 85.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	45.6 dB		60.0 dB		--- dB	
$L_{S(max)}$	59.6 dB	2023-07-26 19:43:41	--- dB		--- dB	
$L_{S(min)}$	39.5 dB	2023-07-26 19:35:46	--- dB		--- dB	
$L_{Peak(max)}$	87.6 dB	2023-07-26 19:41:25	--- dB		--- dB	

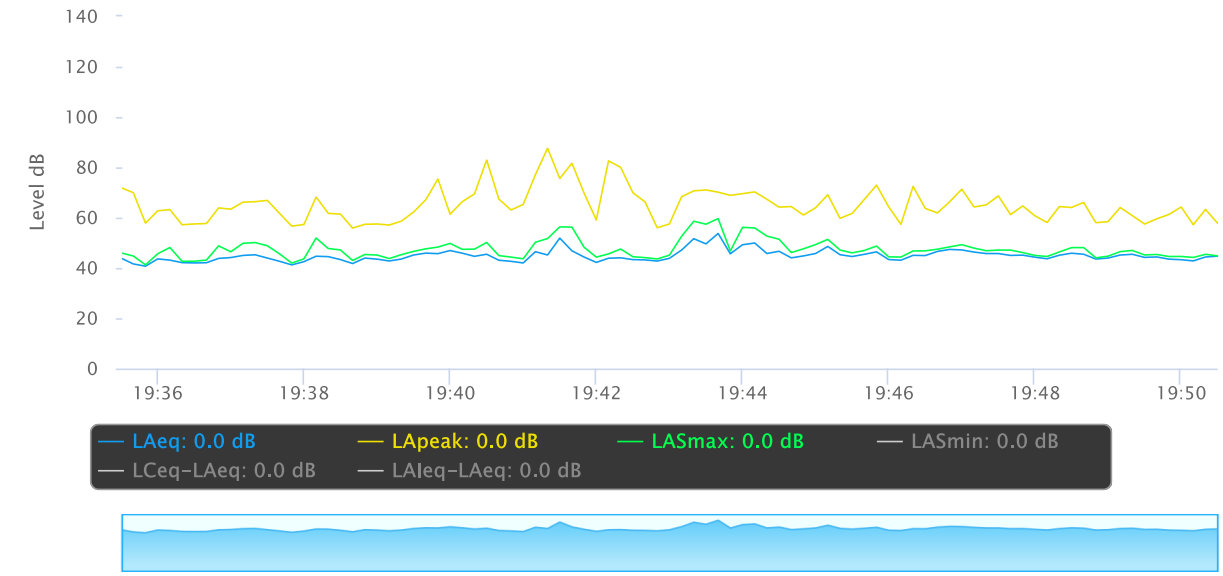
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

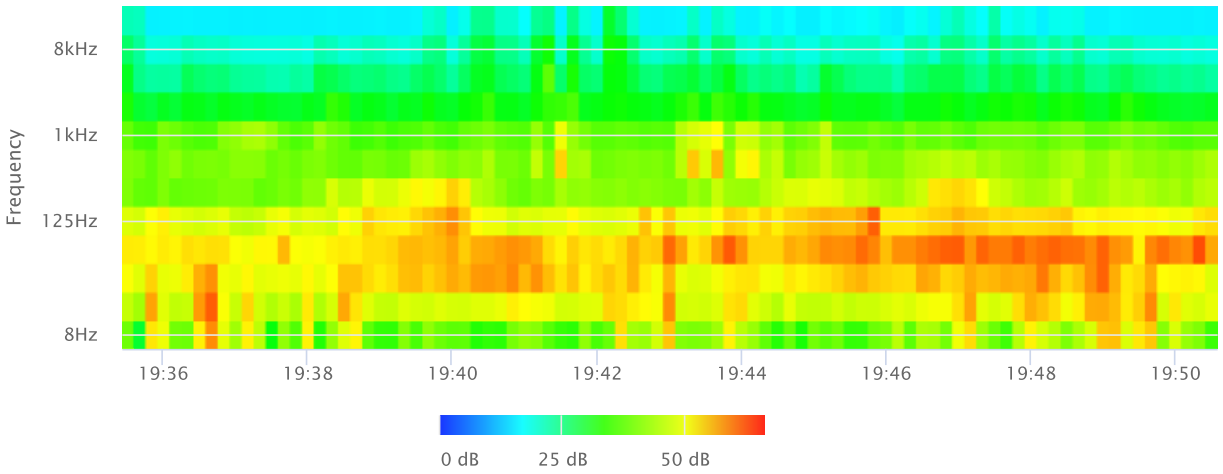
Statistics

LAS 2.0	51.7 dB
LAS 8.0	47.4 dB
LAS 25.0	45.5 dB
LAS 50.0	44.0 dB
LAS 66.6	43.2 dB
LAS 90.0	41.8 dB

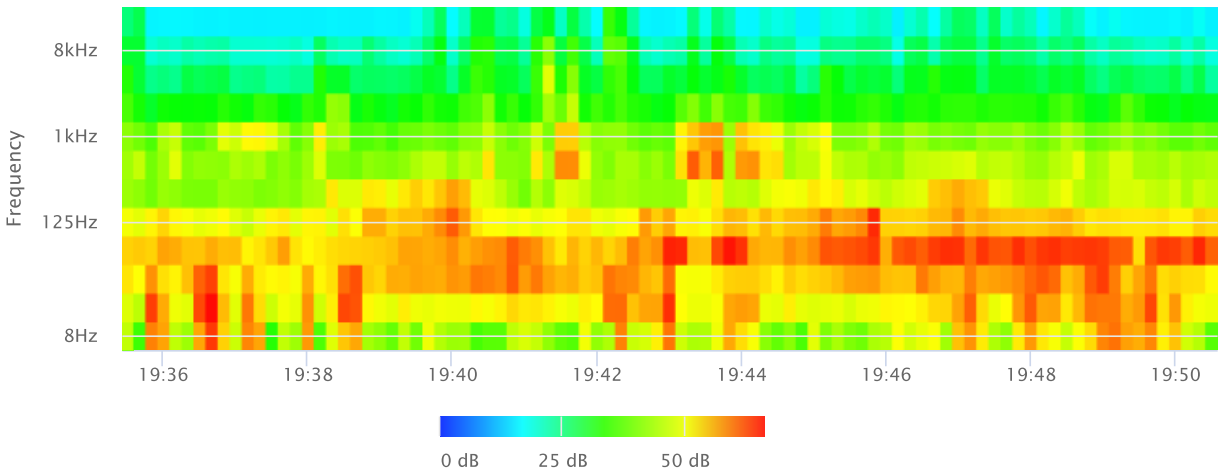
Time History



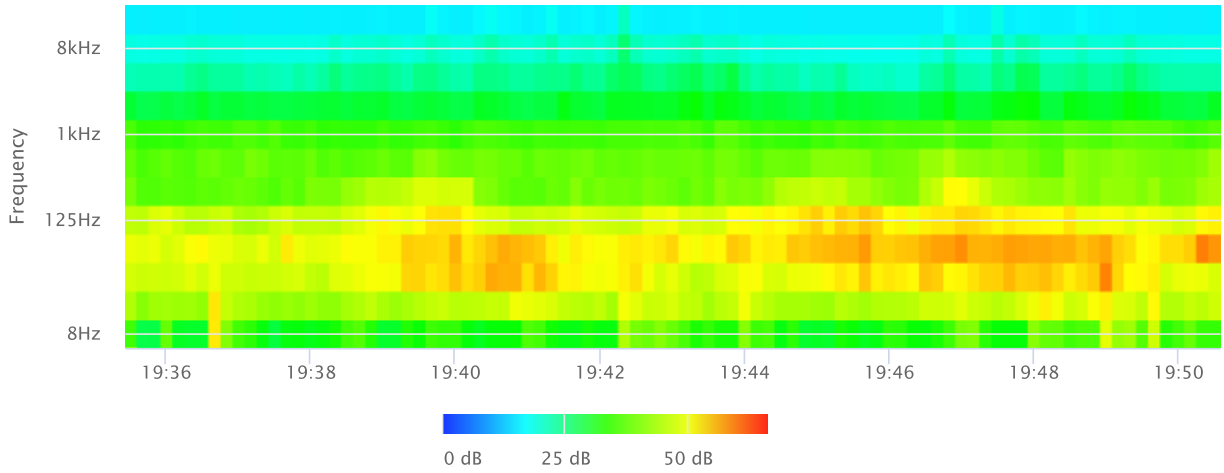
OBA 1/1 Leq



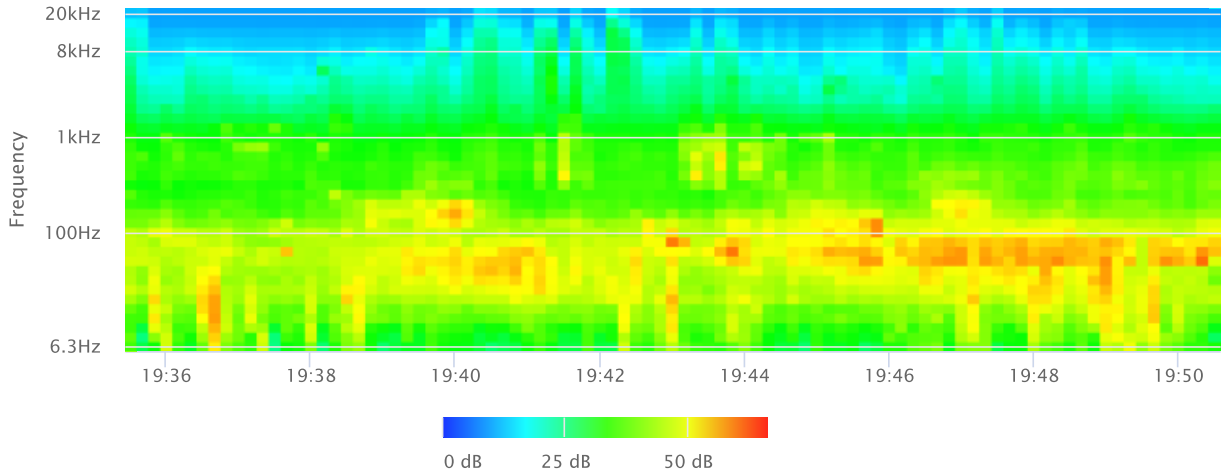
OBA 1/1 Lmax



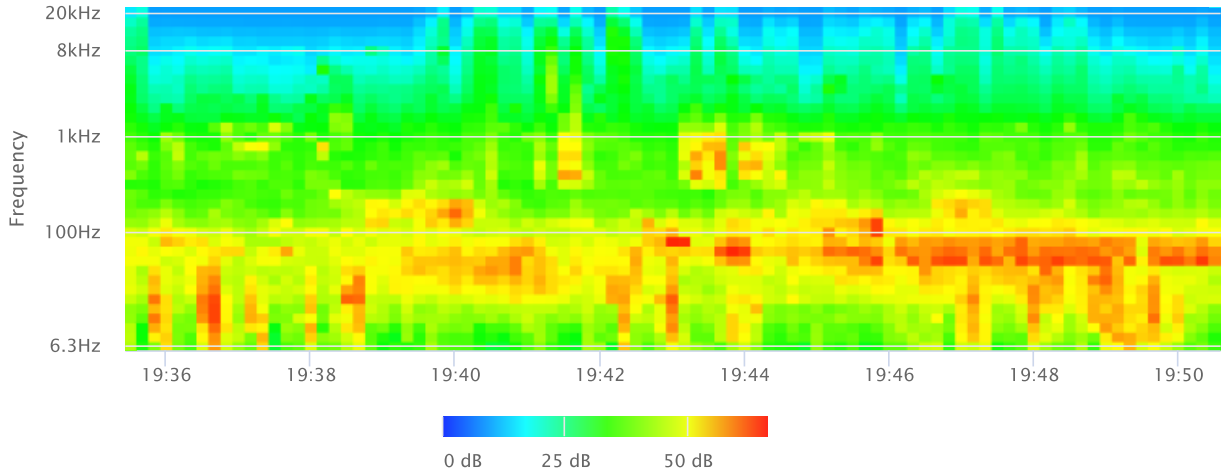
OBA 1/1 Lmin



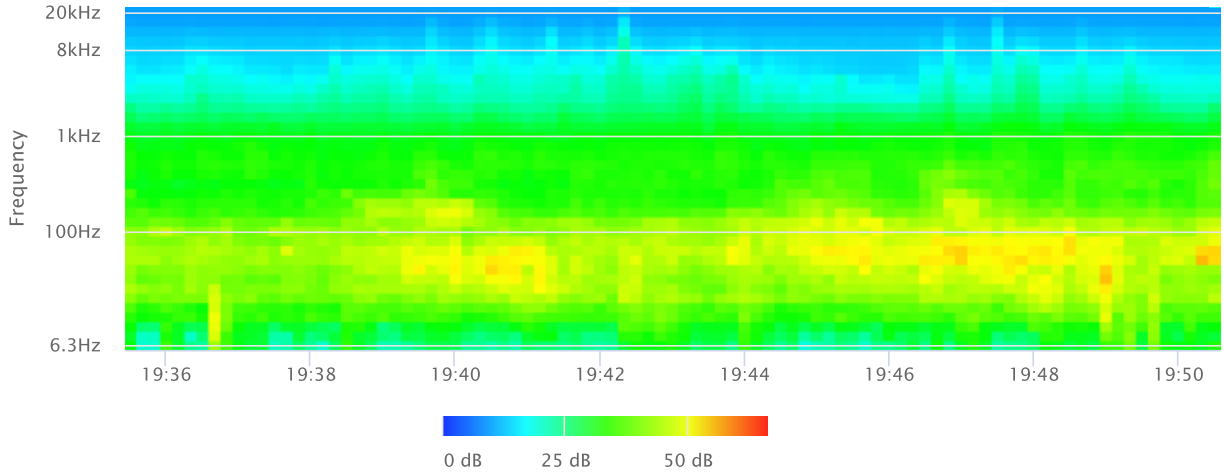
OBA 1/3 Leq



OBA 1/3 Lmax



OBA 1/3 Lmin


20kHz
8kHz
1kHz
100Hz
6.3Hz
Frequency
19:36
19:38
19:40
19:42
19:44
19:46
19:48
19:50
0 dB
25 dB
50 dB

APPENDIX D

FHWA TRAFFIC NOISE MODEL WORKSHEETS

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

1	:Id	Vehicle Distribution (Light Truck Mix)				ADT	4600
7th Street	:Road	Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow	Speed	25
Redlands Avenue to SR-74	:Segment	Automobiles	75.56	13.96	10.49	97.40	Distance	33
		Medium Trucks	48.91	2.17	48.91	1.84	Left Angle	-90
		Heavy Trucks	47.30	5.41	47.30	0.74	Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	282.12	3.45	1.34	208.49	0.61	0.61	52.22	4.60	1.79
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	20.22	1.09	-3.01	18.91	-6.42	-6.40	12.89	2.34	-1.76
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	56.39	48.91	50.97	55.08	41.41	47.57	49.07	50.16	52.22
	DAY LEQ	58.05		EVENING LEQ	55.94		NIGHT LEQ	55.45	

F		CNEL	62.53	Day hour	89.00
		DAY LEQ	58.05	Absorptive?	no
				Use hour?	no
				GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

1	:Id
7th Street	:Road
Redlands Avenue to SR-74	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	8800
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	539.70	6.60	2.57	398.85	1.17	1.17	99.90	8.80	3.42
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	23.04	3.91	-0.19	21.72	-3.60	-3.59	15.71	5.16	1.06
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	59.21	51.73	53.78	57.90	44.22	50.39	51.89	52.98	55.03
	DAY LEQ	60.87		EVENING LEQ	58.76		NIGHT LEQ	58.27	

CNEL	65.35
DAY LEQ	60.87

Day hour	89.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

2	:Id
A Street	:Road
North of San Jacinto Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7500
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	459.97	5.62	2.19	339.93	1.00	1.00	85.14	7.50	2.92
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	20.30	1.17	-2.93	18.99	-6.33	-6.32	12.98	2.42	-1.68
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	62.86	52.69	53.43	61.55	45.18	50.04	55.53	53.94	54.68
	DAY LEQ	63.69		EVENING LEQ	61.93		NIGHT LEQ	59.54	

CNEL	67.12
DAY LEQ	63.69

Day hour	90.00
Absorptive?	no
Use hour?	no
GRADE dB	1.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

2	:Id
A Street	:Road
North of San Jacinto Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	8200
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	502.90	6.15	2.39	371.65	1.09	1.09	93.09	8.20	3.19
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	20.69	1.56	-2.54	19.37	-5.95	-5.94	13.36	2.81	-1.29
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.25	53.07	53.82	61.93	45.56	50.42	55.92	54.32	55.07
	DAY LEQ	64.08		EVENING LEQ	62.32		NIGHT LEQ	59.92	

CNEL	67.51
DAY LEQ	64.08

Day hour	90.00
Absorptive?	no
Use hour?	no
GRADE dB	1.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

3	:Id
A Street	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	13300
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	815.68	9.97	3.88	602.80	1.77	1.77	150.99	13.30	5.17
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	22.79	3.66	-0.44	21.48	-3.85	-3.83	15.46	4.91	0.81
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.35	55.17	55.92	64.03	47.67	52.52	58.02	56.42	57.17
	DAY LEQ	66.18		EVENING LEQ	64.42		NIGHT LEQ	62.02	

CNEL	69.61
DAY LEQ	66.18

Day hour	91.00
Absorptive?	no
Use hour?	no
GRADE dB	2.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

3	:Id
A Street	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	14100
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	864.75	10.57	4.11	639.06	1.88	1.88	160.07	14.10	5.48
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	23.04	3.92	-0.19	21.73	-3.59	-3.58	15.72	5.17	1.06
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.60	55.43	56.17	64.29	47.92	52.78	58.28	56.68	57.42
	DAY LEQ	66.43		EVENING LEQ	64.68		NIGHT LEQ	62.28	

CNEL	69.87
DAY LEQ	66.43

Day hour	91.00
Absorptive?	no
Use hour?	no
GRADE dB	2.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

4	:Id
A Street	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7900
Speed	40
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	484.50	5.92	2.30	358.06	1.05	1.05	89.68	7.90	3.07
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	20.53	1.40	-2.70	19.21	-6.11	-6.10	13.20	2.65	-1.45
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.90	53.72	54.47	62.58	46.21	51.07	56.57	54.97	55.72
	DAY LEQ	64.72		EVENING LEQ	62.97		NIGHT LEQ	60.57	

CNEL	68.16
DAY LEQ	64.72

Day hour	92.00
Absorptive?	no
Use hour?	no
GRADE dB	3.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

4	:Id
A Street	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	9200
Speed	40
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	564.23	6.90	2.68	416.98	1.22	1.23	104.44	9.20	3.58
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	21.19	2.06	-2.04	19.87	-5.45	-5.44	13.86	3.31	-0.79
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	64.56	54.38	55.13	63.24	46.87	51.73	57.23	55.63	56.38
	DAY LEQ	65.39		EVENING LEQ	63.63		NIGHT LEQ	61.23	

CNEL	68.82
DAY LEQ	65.39

Day hour	92.00
Absorptive?	no
Use hour?	no
GRADE dB	3.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

5	:Id	
A Street	:Road	
11th Street to Ellis Avenue	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7900
Speed	40
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	484.50	5.92	2.30	358.06	1.05	1.05	89.68	7.90	3.07
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	20.53	1.40	-2.70	19.21	-6.11	-6.10	13.20	2.65	-1.45
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.90	53.72	54.47	62.58	46.21	51.07	56.57	54.97	55.72
	DAY LEQ	64.72		EVENING LEQ	62.97		NIGHT LEQ	60.57	

CNEL	68.16
DAY LEQ	64.72

Day hour	93.00
Absorptive?	no
Use hour?	no
GRADE dB	4.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

5	:Id	ADT	11700
A Street	:Road	Speed	40
11th Street to Ellis Avenue	:Segment	Distance	39
		Left Angle	-90
		Right Angle	90

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	717.56	8.77	3.41	530.28	1.56	1.56	132.82	11.70	4.55
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	22.23	3.11	-1.00	20.92	-4.40	-4.39	14.91	4.36	0.25
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.60	55.43	56.17	64.29	47.92	52.78	58.28	56.68	57.42
	DAY LEQ	66.43		EVENING LEQ	64.68		NIGHT LEQ	62.28	

CNEL	69.87	Day hour	93.00
DAY LEQ	66.43	Absorptive?	no
		Use hour?	no
		GRADE dB	4.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

6	:Id	
A Street	:Road	
Ellis Avenue to Mountain Avenue	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10000
Speed	35
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	613.30	7.50	2.92	453.23	1.33	1.33	113.53	10.00	3.89
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	22.13	3.00	-1.10	20.82	-4.50	-4.49	14.80	4.25	0.15
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.25	53.84	54.96	61.94	46.33	51.56	55.92	55.09	56.21
	DAY LEQ	64.26		EVENING LEQ	62.42		NIGHT LEQ	60.54	

CNEL	67.97
DAY LEQ	64.26

Day hour	94.00
Absorptive?	no
Use hour?	no
GRADE dB	5.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

6	:Id
A Street	:Road
Ellis Avenue to Mountain Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10900
Speed	35
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	668.49	8.17	3.18	494.03	1.45	1.45	123.74	10.90	4.24
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	22.50	3.38	-0.72	21.19	-4.13	-4.12	15.18	4.63	0.53
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.62	54.22	55.33	62.31	46.71	51.94	56.30	55.46	56.58
	DAY LEQ	64.64		EVENING LEQ	62.80		NIGHT LEQ	60.91	

CNEL	68.35
DAY LEQ	64.64

Day hour	94.00
Absorptive?	no
Use hour?	no
GRADE dB	5.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

7	:Id
Case Road	:Road
Perris Boulevard to Goetz Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10300
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	631.69	7.72	3.00	466.83	1.37	1.37	116.93	10.30	4.01
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	21.17	2.04	-2.06	19.85	-5.47	-5.46	13.84	3.29	-0.81
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.71	54.86	55.28	64.40	47.35	51.88	58.38	56.11	56.53
	DAY LEQ	66.40		EVENING LEQ	64.71		NIGHT LEQ	61.90	

CNEL	69.62
DAY LEQ	66.40

Day hour	95.00
Absorptive?	no
Use hour?	no
GRADE dB	6.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

7	:Id
Case Road	:Road
Perris Boulevard to Goetz Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10500
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	643.96	7.87	3.06	475.90	1.40	1.40	119.20	10.50	4.08
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	21.25	2.12	-1.98	19.94	-5.38	-5.37	13.92	3.37	-0.73
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.79	54.95	55.36	64.48	47.44	51.97	58.47	56.19	56.61
	DAY LEQ	66.49		EVENING LEQ	64.80		NIGHT LEQ	61.98	

CNEL	69.70
DAY LEQ	66.49

Day hour	95.00
Absorptive?	no
Use hour?	no
GRADE dB	6.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

8	:Id	
Case Road	:Road	
Goetz Road to Ellis Avenue	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10500
Speed	55
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	643.96	7.87	3.06	475.90	1.40	1.40	119.20	10.50	4.08
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	20.38	1.25	-2.85	19.07	-6.26	-6.24	13.05	2.50	-1.60
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	68.30	56.30	56.17	66.99	48.80	52.77	60.98	57.55	57.41
	DAY LEQ	68.81		EVENING LEQ	67.21		NIGHT LEQ	63.75	

CNEL	71.70
DAY LEQ	68.81

Day hour	96.00
Absorptive?	no
Use hour?	no
GRADE dB	7.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

8	:Id	Vehicle Distribution (Light Truck Mix)				ADT	10700
Case Road	:Road	Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow	Speed	55
Goetz Road to Ellis Avenue	:Segment	Automobiles	75.56	13.96	10.49	97.40	Distance	47
		Medium Trucks	48.91	2.17	48.91	1.84	Left Angle	-90
		Heavy Trucks	47.30	5.41	47.30	0.74	Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	656.23	8.02	3.12	484.96	1.42	1.43	121.47	10.70	4.16
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	20.46	1.33	-2.77	19.15	-6.17	-6.16	13.14	2.58	-1.52
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	68.39	56.39	56.25	67.07	48.88	52.85	61.06	57.64	57.50
	DAY LEQ	68.89		EVENING LEQ	67.30		NIGHT LEQ	63.84	

CNEL	71.78	Day hour	96.00
DAY LEQ	68.89	Absorptive?	no
		Use hour?	no
		GRADE dB	7.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

9	:Id
Case Road	:Road
Ellis Avenue to Murrieta Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	17700
Speed	55
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1085.53	13.27	5.16	802.23	2.36	2.36	200.94	17.70	6.88
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	22.65	3.52	-0.58	21.33	-3.99	-3.98	15.32	4.77	0.67
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	70.57	58.57	58.43	69.26	51.06	55.04	63.25	59.82	59.68
	DAY LEQ	71.08		EVENING LEQ	69.48		NIGHT LEQ	66.02	

CNEL	73.97
DAY LEQ	71.08

Day hour	97.00
Absorptive?	no
Use hour?	no
GRADE dB	8.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

9	:Id	Vehicle Distribution (Light Truck Mix)				ADT	18700
Case Road	:Road	Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow	Speed	55
Ellis Avenue to Murrieta Road	:Segment	Automobiles	75.56	13.96	10.49	97.40	Distance	47
		Medium Trucks	48.91	2.17	48.91	1.84	Left Angle	-90
		Heavy Trucks	47.30	5.41	47.30	0.74	Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1146.86	14.02	5.45	847.55	2.49	2.50	212.29	18.70	7.27
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	22.89	3.76	-0.34	21.57	-3.75	-3.74	15.56	5.01	0.91
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	70.81	58.81	58.67	69.50	51.30	55.28	63.48	60.06	59.92
	DAY LEQ	71.32		EVENING LEQ	69.72		NIGHT LEQ	66.26	

F		CNEL	74.20	Day hour	97.00
		DAY LEQ	71.32	Absorptive?	no
				Use hour?	no
				GRADE dB	8.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

10	:Id
Case Road	:Road
Murrieta Road to I-215 Freeway	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	8900
Speed	55
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	545.83	6.67	2.60	403.38	1.18	1.19	101.04	8.90	3.46
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	19.66	0.53	-3.57	18.35	-6.97	-6.96	12.34	1.78	-2.32
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.59	55.59	55.45	66.27	48.08	52.05	60.26	56.84	56.70
	DAY LEQ	68.09		EVENING LEQ	66.50		NIGHT LEQ	63.04	

CNEL	70.98
DAY LEQ	68.09

Day hour	98.00
Absorptive?	no
Use hour?	no
GRADE dB	9.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

10	:Id
Case Road	:Road
Murrieta Road to I-215 Freeway	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10700
Speed	55
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	656.23	8.02	3.12	484.96	1.42	1.43	121.47	10.70	4.16
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81
ADJUSTMENTS									
Flow	20.46	1.33	-2.77	19.15	-6.17	-6.16	13.14	2.58	-1.52
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	68.39	56.39	56.25	67.07	48.88	52.85	61.06	57.64	57.50
	DAY LEQ	68.89		EVENING LEQ	67.30		NIGHT LEQ	63.84	

CNEL	71.78
DAY LEQ	68.89

Day hour	98.00
Absorptive?	no
Use hour?	no
GRADE dB	9.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

11	:Id
D Street	:Road
I-215 Freeway to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	23400
Speed	35
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1435.11	17.55	6.83	1060.57	3.11	3.12	265.65	23.40	9.10
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	25.82	6.70	2.59	24.51	-0.81	-0.80	18.50	7.95	3.84
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.13	56.72	57.84	64.82	49.21	54.44	58.81	57.97	59.09
	DAY LEQ	67.14		EVENING LEQ	65.31		NIGHT LEQ	63.42	

CNEL	70.85
DAY LEQ	67.14

Day hour	99.00
Absorptive?	no
Use hour?	no
GRADE dB	10.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

11	:Id
D Street	:Road
I-215 Freeway to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	28200
Speed	35
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1729.49	21.15	8.23	1278.12	3.75	3.76	320.14	28.20	10.97
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	26.63	7.51	3.41	25.32	0.00	0.01	19.31	8.76	4.65
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.94	57.53	58.65	65.63	50.02	55.25	59.62	58.78	59.90
	DAY LEQ	67.95		EVENING LEQ	66.12		NIGHT LEQ	64.23	

CNEL	71.66
DAY LEQ	67.95

Day hour	99.00
Absorptive?	no
Use hour?	no
GRADE dB	10.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

12	:Id
D Street	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	8900
Speed	30
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	545.83	6.67	2.60	403.38	1.18	1.19	101.04	8.90	3.46
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76
ADJUSTMENTS									
Flow	22.29	3.17	-0.93	20.98	-4.34	-4.33	14.97	4.42	0.32
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.54	53.02	54.56	60.23	45.51	51.17	54.21	54.27	55.81
	DAY LEQ	62.81		EVENING LEQ	60.86		NIGHT LEQ	59.60	

CNEL	66.86
DAY LEQ	62.81

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

12	:Id
D Street	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	12600
Speed	30
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	772.75	9.45	3.68	571.08	1.68	1.68	143.04	12.60	4.90
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76
ADJUSTMENTS									
Flow	23.80	4.68	0.58	22.49	-2.83	-2.82	16.48	5.93	1.83
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.05	54.53	56.07	61.74	47.02	52.67	55.72	55.78	57.32
	DAY LEQ	64.32		EVENING LEQ	62.37		NIGHT LEQ	61.11	

CNEL	68.37
DAY LEQ	64.32

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

13	:Id	
Ellis Avenue	:Road	
SR-74 to A Street	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	14900
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	913.81	11.17	4.35	675.32	1.98	1.99	169.15	14.90	5.79
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	25.32	6.20	2.10	24.01	-1.31	-1.30	18.00	7.45	3.35
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	58.62	51.14	53.19	57.31	43.63	49.80	51.30	52.39	54.44
	DAY LEQ	60.28		EVENING LEQ	58.17		NIGHT LEQ	57.68	

CNEL	64.76
DAY LEQ	60.28

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

13	:Id	
Ellis Avenue	:Road	
SR-74 to A Street	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	26500
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1625.23	19.87	7.73	1201.07	3.53	3.54	300.84	26.50	10.31
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.82	8.70	4.60	26.51	1.19	1.20	20.50	9.95	5.85
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.12	53.64	55.69	59.81	46.13	52.30	53.80	54.89	56.94
	DAY LEQ	62.78		EVENING LEQ	60.67		NIGHT LEQ	60.18	

CNEL	67.26
DAY LEQ	62.78

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

14	:Id	
Ellis Avenue	:Road	
A Street to Goetz Road	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	17400
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1007.70	20.88	34.80	748.11	3.48	5.80	185.51	29.00	48.33
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	25.75	8.91	11.13	24.45	1.13	3.35	18.40	10.34	12.56
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	59.05	53.86	62.23	57.75	46.08	54.45	51.70	55.28	63.66
	DAY LEQ	64.34		EVENING LEQ	59.61		NIGHT LEQ	64.48	

CNEL	70.88
DAY LEQ	64.34

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

14	:Id	
Ellis Avenue	:Road	
A Street to Goetz Road	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	26000
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1505.76	31.20	52.00	1117.86	5.20	8.67	277.21	43.33	72.22
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.49	10.66	12.87	26.20	2.87	5.09	20.14	12.08	14.30
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.79	55.60	63.97	59.50	47.82	56.19	53.44	57.03	65.40
	DAY LEQ	66.08		EVENING LEQ	61.36		NIGHT LEQ	66.22	

CNEL	72.62
DAY LEQ	66.08

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

15	:Id	
Ellis Avenue	:Road	
Goetz Road to Case Road	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	17800
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1091.67	13.35	5.19	806.76	2.37	2.38	202.07	17.80	6.92
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	26.10	6.97	2.87	24.78	-0.54	-0.53	18.77	8.22	4.12
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	59.39	51.91	53.97	58.08	44.41	50.57	52.07	53.16	55.22
	DAY LEQ	61.05		EVENING LEQ	58.94		NIGHT LEQ	58.45	

CNEL	65.53
DAY LEQ	61.05

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

15	:Id	
Ellis Avenue	:Road	
Goetz Road to Case Road	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	24300
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1490.31	18.22	7.09	1101.36	3.23	3.24	275.87	24.30	9.45
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.45	8.32	4.22	26.13	0.81	0.82	20.12	9.57	5.47
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.75	53.27	55.32	59.43	45.76	51.92	53.42	54.52	56.57
	DAY LEQ	62.40		EVENING LEQ	60.30		NIGHT LEQ	59.81	

CNEL	66.88
DAY LEQ	62.40

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

16	:Id
Ellis Avenue	:Road
Case Road to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	19400
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1189.79	14.55	5.66	879.28	2.58	2.59	220.24	19.40	7.54
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	26.47	7.34	3.24	25.16	-0.17	-0.15	19.14	8.59	4.49
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	59.77	52.29	54.34	58.45	44.78	50.94	52.44	53.54	55.59
	DAY LEQ	61.43		EVENING LEQ	59.32		NIGHT LEQ	58.83	

CNEL	65.91
DAY LEQ	61.43

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

16	:Id
Ellis Avenue	:Road
Case Road to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	25200
Speed	25
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1545.50	18.90	7.35	1142.15	3.35	3.36	286.08	25.20	9.80
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.61	8.48	4.38	26.29	0.97	0.98	20.28	9.73	5.63
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.90	53.42	55.48	59.59	45.92	52.08	53.58	54.67	56.73
	DAY LEQ	62.56		EVENING LEQ	60.45		NIGHT LEQ	59.96	

CNEL	67.04
DAY LEQ	62.56

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

17	:Id	
Ethanac Avenue	:Road	
Murrieta Road to Green Valley Parkway	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	20000
Speed	50
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1158.28	24.00	40.00	859.89	4.00	6.67	213.24	33.33	55.56
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02
ADJUSTMENTS									
Flow	23.34	6.51	8.73	22.05	-1.27	0.94	15.99	7.93	10.15
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.74	57.58	64.03	65.45	49.80	56.25	59.39	59.01	65.45
	DAY LEQ	68.94		EVENING LEQ	66.05		NIGHT LEQ	67.14	

CNEL	73.96
DAY LEQ	68.94

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

17	:Id
Ethanac Avenue	:Road
Murrieta Road to Green Valley Parkway	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	21900
Speed	50
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1268.32	26.28	43.80	941.58	4.38	7.30	233.49	36.50	60.83
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02
ADJUSTMENTS									
Flow	23.74	6.90	9.12	22.44	-0.88	1.34	16.39	8.33	10.55
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.14	57.98	64.42	65.84	50.19	56.64	59.79	59.40	65.85
	DAY LEQ	69.33		EVENING LEQ	66.44		NIGHT LEQ	67.53	

CNEL	74.36
DAY LEQ	69.33

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

18	:Id	
Ethanac Avenue	:Road	
Green Valley Parkway to I-215 Freeway	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	26800
Speed	45
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1552.10	32.16	53.60	1152.26	5.36	8.93	285.74	44.67	74.44
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	25.07	8.24	10.45	23.78	0.45	2.67	17.72	9.66	11.88
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.70	58.14	64.88	65.40	50.36	57.10	59.35	59.57	66.30
	DAY LEQ	69.24		EVENING LEQ	66.12		NIGHT LEQ	67.81	

CNEL	**74.54**
DAY LEQ	69.24

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

18	:Id	
Ethanac Avenue	:Road	
Green Valley Parkway to I-215 Freeway	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	33500
Speed	45
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1940.12	40.20	67.00	1440.32	6.70	11.17	357.17	55.83	93.06
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	26.04	9.20	11.42	24.75	1.42	3.64	18.69	10.63	12.85
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.67	59.11	65.85	66.37	51.33	58.06	60.32	60.53	67.27
	DAY LEQ	70.21		EVENING LEQ	67.09		NIGHT LEQ	68.78	

CNEL	75.51
DAY LEQ	70.21

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

19	:Id	
Ethanac Avenue	:Road	
I-215 Freeway to SR-74	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	18700
Speed	45
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1146.86	14.02	5.45	847.55	2.49	2.50	212.29	18.70	7.27
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	23.76	4.63	0.53	22.44	-2.88	-2.87	16.43	5.88	1.78
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.38	54.53	54.95	64.07	47.03	51.56	58.06	55.78	56.20
	DAY LEQ	66.08		EVENING LEQ	64.39		NIGHT LEQ	61.57	

CNEL	69.29
DAY LEQ	66.08

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

19	:Id	
Ethanac Avenue	:Road	
I-215 Freeway to SR-74	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	21600
Speed	45
Distance	92
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1324.72	16.20	6.30	978.99	2.87	2.88	245.21	21.60	8.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	24.38	5.26	1.16	23.07	-2.25	-2.24	17.06	6.51	2.41
Distance	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.01	55.16	55.58	64.70	47.65	52.18	58.68	56.41	56.83
	DAY LEQ	66.70		EVENING LEQ	65.01		NIGHT LEQ	62.20	

CNEL	69.92
DAY LEQ	66.70

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

20	:Id
G Street	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	23100
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1416.71	17.32	6.74	1046.97	3.07	3.08	262.24	23.10	8.98
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.23	8.10	4.00	25.91	0.59	0.60	19.90	9.35	5.25
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.40	55.92	57.97	62.09	48.41	54.58	56.08	57.17	59.22
	DAY LEQ	65.06		EVENING LEQ	62.95		NIGHT LEQ	62.46	

CNEL	69.54
DAY LEQ	65.06

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

20	:Id
G Street	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	23300
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1428.98	17.47	6.80	1056.04	3.10	3.11	264.51	23.30	9.06
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	27.27	8.14	4.04	25.95	0.63	0.64	19.94	9.39	5.29
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	63.44	55.96	58.01	62.13	48.45	54.62	56.11	57.21	59.26
	DAY LEQ	65.10		EVENING LEQ	62.99		NIGHT LEQ	62.50	

CNEL	69.58
DAY LEQ	65.10

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

21	:Id
G Street	:Road
4th Street (SR-74) to Case Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	14900
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	913.81	11.17	4.35	675.32	1.98	1.99	169.15	14.90	5.79
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	25.32	6.20	2.10	24.01	-1.31	-1.30	18.00	7.45	3.35
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.50	54.02	56.07	60.18	46.51	52.67	54.17	55.27	57.32
	DAY LEQ	63.16		EVENING LEQ	61.05		NIGHT LEQ	60.56	

CNEL	67.64
DAY LEQ	63.16

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

21	:Id
G Street	:Road
4th Street (SR-74) to Case Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	14900
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	913.81	11.17	4.35	675.32	1.98	1.99	169.15	14.90	5.79
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	25.32	6.20	2.10	24.01	-1.31	-1.30	18.00	7.45	3.35
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.50	54.02	56.07	60.18	46.51	52.67	54.17	55.27	57.32
	DAY LEQ	63.16		EVENING LEQ	61.05		NIGHT LEQ	60.56	

CNEL	67.64
DAY LEQ	63.16

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

22	:Id
Jarvis Avenue	:Road
Perris Boulevard to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	5000
Speed	35
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	306.65	3.75	1.46	226.62	0.67	0.67	56.76	5.00	1.94
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	19.12	-0.01	-4.11	17.81	-7.52	-7.50	11.79	1.24	-2.86
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.96	51.56	52.67	59.65	44.05	49.28	53.64	52.81	53.92
	DAY LEQ	61.98		EVENING LEQ	60.14		NIGHT LEQ	58.25	

CNEL	65.69
DAY LEQ	61.98

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

22	:Id
Jarvis Avenue	:Road
Perris Boulevard to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	5200
Speed	35
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	318.91	3.90	1.52	235.68	0.69	0.69	59.03	5.20	2.02
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	19.29	0.16	-3.94	17.98	-7.34	-7.33	11.96	1.41	-2.69
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.13	51.73	52.84	59.82	44.22	49.45	53.81	52.98	54.09
	DAY LEQ	62.15		EVENING LEQ	60.31		NIGHT LEQ	58.42	

CNEL	65.86
DAY LEQ	62.15

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

23	:Id
Mountain Avenue	:Road
McPherson Road to A Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	2800
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	171.72	2.10	0.82	126.91	0.37	0.37	31.79	2.80	1.09
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	16.02	-3.10	-7.21	14.71	-10.61	-10.60	8.70	-1.86	-5.96
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	58.58	48.41	49.15	57.27	40.90	45.76	51.25	49.66	50.40
	DAY LEQ	59.41		EVENING LEQ	57.66		NIGHT LEQ	55.26	

CNEL	62.84
DAY LEQ	59.41

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

23	:Id	Vehicle Distribution (Light Truck Mix)				ADT	2800
Mountain Avenue	:Road	Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow	Speed	40
McPherson Road to A Street	:Segment	Automobiles	75.56	13.96	10.49	97.40	Distance	47
		Medium Trucks	48.91	2.17	48.91	1.84	Left Angle	-90
		Heavy Trucks	47.30	5.41	47.30	0.74	Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	171.72	2.10	0.82	126.91	0.37	0.37	31.79	2.80	1.09
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	16.02	-3.10	-7.21	14.71	-10.61	-10.60	8.70	-1.86	-5.96
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	58.58	48.41	49.15	57.27	40.90	45.76	51.25	49.66	50.40
	DAY LEQ	59.41		EVENING LEQ	57.66		NIGHT LEQ	55.26	

CNEL	62.84	Day hour	0.00
DAY LEQ	59.41	Absorptive?	no
		Use hour?	no
		GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

24	:Id
Murrieta Road	:Road
Nuevo Road to Evans Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7200
Speed	35
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	441.57	5.40	2.10	326.33	0.96	0.96	81.74	7.20	2.80
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	20.70	1.58	-2.52	19.39	-5.93	-5.92	13.38	2.83	-1.27
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.82	52.41	53.53	60.51	44.91	50.13	54.50	53.66	54.78
	DAY LEQ	62.84		EVENING LEQ	61.00		NIGHT LEQ	59.11	

CNEL	66.54
DAY LEQ	62.84

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

24	:Id
Murrieta Road	:Road
Nuevo Road to Evans Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7600
Speed	35
Distance	39
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	466.10	5.70	2.22	344.46	1.01	1.01	86.28	7.60	2.96
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	20.94	1.81	-2.29	19.62	-5.70	-5.69	13.61	3.06	-1.04
Distance	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	62.06	52.65	53.77	60.74	45.14	50.37	54.73	53.90	55.02
	DAY LEQ	63.07		EVENING LEQ	61.23		NIGHT LEQ	59.34	

CNEL	66.78
DAY LEQ	63.07

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

25	:Id
Perris Boulevard	:Road
Nuevo Road to East Jarvis Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	25700
Speed	40
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1488.39	30.84	51.40	1104.96	5.14	8.57	274.01	42.83	71.39
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	25.40	8.56	10.78	24.11	0.78	3.00	18.05	9.99	12.21
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.62	58.74	65.80	65.32	50.95	58.02	59.27	60.16	67.23
	DAY LEQ	69.61		EVENING LEQ	66.20		NIGHT LEQ	68.55	

CNEL	75.20
DAY LEQ	69.61

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

25	:Id
Perris Boulevard	:Road
Nuevo Road to East Jarvis Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	27800
Speed	40
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1610.01	33.36	55.60	1195.25	5.56	9.27	296.40	46.33	77.22
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	25.74	8.91	11.12	24.45	1.12	3.34	18.39	10.33	12.55
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.96	59.08	66.14	65.67	51.29	58.36	59.61	60.50	67.57
	DAY LEQ	69.95		EVENING LEQ	66.54		NIGHT LEQ	68.89	

CNEL	75.54
DAY LEQ	69.95

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

26	:Id
Perris Boulevard	:Road
East Jarvis Avenue to San Jacinto Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	27900
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1615.80	33.48	55.80	1199.55	5.58	9.30	297.46	46.50	77.50
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	26.34	9.50	11.72	25.04	1.72	3.94	18.99	10.93	13.15
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.31	58.19	65.62	64.01	50.41	57.84	57.96	59.61	67.05
	DAY LEQ	68.87		EVENING LEQ	65.10		NIGHT LEQ	68.20	

CNEL	74.76
DAY LEQ	68.87

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

26	:Id
Perris Boulevard	:Road
East Jarvis Avenue to San Jacinto Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	29900
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1731.63	35.88	59.80	1285.54	5.98	9.97	318.79	49.83	83.06
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	26.64	9.80	12.02	25.34	2.02	4.24	19.29	11.23	13.45
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.61	58.49	65.92	64.31	50.71	58.14	58.26	59.91	67.35
	DAY LEQ	69.17		EVENING LEQ	65.40		NIGHT LEQ	68.50	

CNEL	75.06
DAY LEQ	69.17

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

27	:Id
Perris Boulevard	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	24000
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1389.94	28.80	48.00	1031.87	4.80	8.00	255.88	40.00	66.67
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	25.68	8.85	11.07	24.39	1.07	3.28	18.33	10.27	12.49
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	64.65	57.53	64.97	63.36	49.75	57.19	57.30	58.96	66.40
	DAY LEQ	68.21		EVENING LEQ	64.45		NIGHT LEQ	67.55	

CNEL	74.11
DAY LEQ	68.21

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

27	:Id
Perris Boulevard	:Road
San Jacinto Avenue to 4th Street (SR-74)	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	25700
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1488.39	30.84	51.40	1104.96	5.14	8.57	274.01	42.83	71.39
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	25.98	9.14	11.36	24.69	1.36	3.58	18.63	10.57	12.79
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	64.95	57.83	65.27	63.65	50.05	57.49	57.60	59.26	66.69
	DAY LEQ	68.51		EVENING LEQ	64.74		NIGHT LEQ	67.85	

CNEL	74.40
DAY LEQ	68.51

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

28	:Id
Perris Boulevard	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	8200
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	502.90	6.15	2.39	371.65	1.09	1.09	93.09	8.20	3.19
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	21.27	2.14	-1.96	19.95	-5.37	-5.36	13.94	3.39	-0.71
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.24	50.83	51.94	58.92	43.32	48.55	52.91	52.08	53.19
	DAY LEQ	61.25		EVENING LEQ	59.41		NIGHT LEQ	57.52	

CNEL	64.96
DAY LEQ	61.25

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

28	:Id
Perris Boulevard	:Road
4th Street (SR-74) to 11th Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	9900
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	607.16	7.42	2.89	448.70	1.32	1.32	112.39	9.90	3.85
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	22.09	2.96	-1.14	20.77	-4.55	-4.54	14.76	4.21	0.11
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.05	51.65	52.76	59.74	44.14	49.37	53.73	52.90	54.01
	DAY LEQ	62.07		EVENING LEQ	60.23		NIGHT LEQ	58.34	

CNEL	65.78
DAY LEQ	62.07

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

29	:Id
Perris Boulevard	:Road
11th Street to Ellis Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	1500
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	91.99	1.12	0.44	67.99	0.20	0.20	17.03	1.50	0.58
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	13.89	-5.24	-9.34	12.58	-12.74	-12.73	6.57	-3.99	-8.09
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	52.86	43.45	44.57	51.55	35.94	41.17	45.53	44.70	45.82
	DAY LEQ	53.87		EVENING LEQ	52.03		NIGHT LEQ	50.15	

CNEL	57.58
DAY LEQ	53.87

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

29	:Id
Perris Boulevard	:Road
11th Street to Ellis Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	2800
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	171.72	2.10	0.82	126.91	0.37	0.37	31.79	2.80	1.09
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	16.60	-2.52	-6.63	15.29	-10.03	-10.02	9.28	-1.28	-5.38
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	55.57	46.16	47.28	54.26	38.65	43.88	48.24	47.41	48.53
	DAY LEQ	56.58		EVENING LEQ	54.75		NIGHT LEQ	52.86	

CNEL	60.29
DAY LEQ	56.58

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

30	:Id
Redlands Avenue	:Road
Nuevo Road to East Jarvis Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	24700
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1430.48	29.64	49.40	1061.97	4.94	8.23	263.35	41.17	68.61
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	24.72	7.88	10.10	23.42	0.10	2.32	17.37	9.31	11.53
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.92	59.36	66.10	66.63	51.58	58.32	60.57	60.79	67.53
	DAY LEQ	70.46		EVENING LEQ	67.34		NIGHT LEQ	69.03	

CNEL	75.76
DAY LEQ	70.46

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

30	:Id
Redlands Avenue	:Road
Nuevo Road to East Jarvis Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	28100
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1627.38	33.72	56.20	1208.15	5.62	9.37	299.60	46.83	78.06
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	25.28	8.44	10.66	23.98	0.66	2.88	17.93	9.87	12.09
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	68.48	59.92	66.66	67.19	52.14	58.88	61.13	61.35	68.09
	DAY LEQ	71.02		EVENING LEQ	67.90		NIGHT LEQ	69.59	

CNEL	76.32
DAY LEQ	71.02

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

31	:Id
Redlands Avenue	:Road
East Jarvis Avenue to San Jacinto Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	24400
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1413.10	29.28	48.80	1049.07	4.88	8.13	260.15	40.67	67.78
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	24.66	7.83	10.05	23.37	0.05	2.26	17.31	9.25	11.47
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.87	59.31	66.05	66.57	51.53	58.26	60.52	60.73	67.47
	DAY LEQ	70.41		EVENING LEQ	67.29		NIGHT LEQ	68.98	

CNEL	75.71
DAY LEQ	70.41

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

31	:Id
Redlands Avenue	:Road
East Jarvis Avenue to San Jacinto Avenue	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	27800
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1610.01	33.36	55.60	1195.25	5.56	9.27	296.40	46.33	77.22
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	25.23	8.39	10.61	23.94	0.61	2.83	17.88	9.82	12.04
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	68.43	59.87	66.61	67.14	52.09	58.83	61.08	61.30	68.04
	DAY LEQ	70.98		EVENING LEQ	67.85		NIGHT LEQ	69.54	

CNEL	76.28
DAY LEQ	70.98

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

32	:Id
Redlands Avenue	:Road
San Jacinto Avenue to I-215 Freeway	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	27900
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1615.80	33.48	55.80	1199.55	5.58	9.30	297.46	46.50	77.50
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	26.34	9.50	11.72	25.04	1.72	3.94	18.99	10.93	13.15
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.31	58.19	65.62	64.01	50.41	57.84	57.96	59.61	67.05
	DAY LEQ	68.87		EVENING LEQ	65.10		NIGHT LEQ	68.20	

CNEL	74.76
DAY LEQ	68.87

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

32	:Id
Redlands Avenue	:Road
San Jacinto Avenue to I-215 Freeway	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	33800
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1957.49	40.56	67.60	1453.22	6.76	11.27	360.37	56.33	93.89
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	27.17	10.33	12.55	25.88	2.55	4.77	19.82	11.76	13.98
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.14	59.02	66.46	64.84	51.24	58.68	58.79	60.45	67.88
	DAY LEQ	69.70		EVENING LEQ	65.93		NIGHT LEQ	69.04	

CNEL	75.59
DAY LEQ	69.70

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

33	:Id
Redlands Avenue	:Road
I-215 Freeway to 4th Street (SR-74)	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	27000
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1563.68	32.40	54.00	1160.86	5.40	9.00	287.87	45.00	75.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	26.19	9.36	11.58	24.90	1.58	3.80	18.85	10.79	13.00
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.16	58.04	65.48	63.87	50.26	57.70	57.81	59.47	66.91
	DAY LEQ	68.72		EVENING LEQ	64.96		NIGHT LEQ	68.06	

CNEL	74.62
DAY LEQ	68.72

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

33	:Id
Redlands Avenue	:Road
I-215 Freeway to 4th Street (SR-74)	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	33000
Speed	35
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1911.16	39.60	66.00	1418.82	6.60	11.00	351.84	55.00	91.67
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	27.07	10.23	12.45	25.77	2.45	4.67	19.72	11.66	13.88
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.03	58.92	66.35	64.74	51.13	58.57	58.68	60.34	67.78
	DAY LEQ	69.60		EVENING LEQ	65.83		NIGHT LEQ	68.93	

CNEL	75.49
DAY LEQ	69.60

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

34	:Id
Redlands Avenue	:Road
4th Street (SR-74) to Ellis Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	18600
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1140.73	13.95	5.43	843.02	2.48	2.48	211.16	18.60	7.23
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	24.25	5.12	1.02	22.93	-2.39	-2.38	16.92	6.37	2.27
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.80	56.63	57.38	65.49	49.12	53.98	59.48	57.88	58.63
	DAY LEQ	67.63		EVENING LEQ	65.88		NIGHT LEQ	63.48	

CNEL	71.07
DAY LEQ	67.63

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

34	:Id
Redlands Avenue	:Road
4th Street (SR-74) to Ellis Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	23500
Speed	40
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1441.24	17.62	6.85	1065.10	3.13	3.14	266.78	23.50	9.14
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16
ADJUSTMENTS									
Flow	25.26	6.13	2.03	23.95	-1.37	-1.36	17.94	7.38	3.28
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.82	57.65	58.39	66.51	50.14	55.00	60.49	58.90	59.64
	DAY LEQ	68.65		EVENING LEQ	66.90		NIGHT LEQ	64.50	

CNEL	72.08
DAY LEQ	68.65

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

35	:Id
San Jacinto Avenue	:Road
East of A Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	6000
Speed	25
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	367.98	4.50	1.75	271.94	0.80	0.80	68.12	6.00	2.33
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	21.37	2.25	-1.85	20.06	-5.26	-5.25	14.05	3.50	-0.61
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	56.01	48.53	50.58	54.70	41.02	47.19	48.69	49.78	51.83
	DAY LEQ	57.67		EVENING LEQ	55.56		NIGHT LEQ	55.07	

CNEL	62.15
DAY LEQ	57.67

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

35	:Id
San Jacinto Avenue	:Road
East of A Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	7700
Speed	25
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	472.24	5.77	2.25	348.99	1.02	1.03	87.41	7.70	2.99
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	22.46	3.33	-0.77	21.14	-4.18	-4.17	15.13	4.58	0.48
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	57.10	49.62	51.67	55.78	42.11	48.27	49.77	50.87	52.92
	DAY LEQ	58.75		EVENING LEQ	56.65		NIGHT LEQ	56.16	

CNEL	63.23
DAY LEQ	58.75

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

36	:Id	
San Jacinto Avenue	:Road	
A Street to D Street	:Segment	

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	6400
Speed	35
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	370.65	7.68	12.80	275.17	1.28	2.13	68.24	10.67	17.78
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	19.94	3.11	5.33	18.65	-4.67	-2.46	12.59	4.53	6.75
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.25	53.13	60.57	58.96	45.35	52.79	52.90	54.56	62.00
	DAY LEQ	63.81		EVENING LEQ	60.05		NIGHT LEQ	63.15	

CNEL	69.71
DAY LEQ	63.81

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

36	:Id	Vehicle Distribution (Heavy Truck Mix)				ADT	8100
San Jacinto Avenue	:Road	Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow	Speed 35
A Street to D Street	:Segment	Automobiles	75.54	14.02	10.43	92.00	Distance 47
		Medium Trucks	48.00	2.00	50.00	3.00	Left Angle -90
		Heavy Trucks	48.00	2.00	50.00	5.00	Right Angle 90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	469.10	9.72	16.20	348.26	1.62	2.70	86.36	13.50	22.50
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	20.97	4.13	6.35	19.67	-3.65	-1.43	13.62	5.56	7.78
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.27	54.16	61.59	59.98	46.38	53.81	53.93	55.58	63.02
	DAY LEQ	64.84		EVENING LEQ	61.07		NIGHT LEQ	64.17	

CNEL	70.73	Day hour	0.00
DAY LEQ	64.84	Absorptive?	no
		Use hour?	no
		GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

37	:Id
San Jacinto Avenue	:Road
D Street to Perris Boulevard	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	7000
Speed	35
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	405.40	8.40	14.00	300.96	1.40	2.33	74.63	11.67	19.44
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	20.33	3.50	5.71	19.04	-4.29	-2.07	12.98	4.92	7.14
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	60.64	53.52	60.96	59.35	45.74	53.18	53.29	54.95	62.39
	DAY LEQ	64.20		EVENING LEQ	60.44		NIGHT LEQ	63.54	

CNEL	70.10
DAY LEQ	64.20

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

37	:Id
San Jacinto Avenue	:Road
D Street to Perris Boulevard	:Segment

Vehicle Distribution (Heavy Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.54	14.02	10.43	92.00
Medium Trucks	48.00	2.00	50.00	3.00
Heavy Trucks	48.00	2.00	50.00	5.00

ADT	8700
Speed	35
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	503.85	10.44	17.40	374.05	1.74	2.90	92.76	14.50	24.17
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05
ADJUSTMENTS									
Flow	21.28	4.44	6.66	19.98	-3.34	-1.12	13.93	5.87	8.09
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	61.59	54.47	61.90	60.29	46.69	54.12	54.24	55.89	63.33
	DAY LEQ	65.15		EVENING LEQ	61.38		NIGHT LEQ	64.48	

CNEL	71.04
DAY LEQ	65.15

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside heavy truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

38	:Id	
San Jacinto Avenue	:Road	
Perris Boulevard to G Street	:Segment	

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	15500
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	950.61	11.62	4.52	702.51	2.06	2.07	175.96	15.50	6.03
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	22.94	3.82	-0.29	21.63	-3.69	-3.68	15.62	5.07	0.96
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.49	56.64	57.05	66.17	49.13	53.66	60.16	57.89	58.30
	DAY LEQ	68.18		EVENING LEQ	66.49		NIGHT LEQ	63.67	

CNEL	71.39
DAY LEQ	68.18

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

38	:Id
San Jacinto Avenue	:Road
Perris Boulevard to G Street	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	16600
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1018.07	12.45	4.84	752.37	2.21	2.22	188.45	16.60	6.46
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	23.24	4.11	0.01	21.93	-3.40	-3.38	15.91	5.36	1.26
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.78	56.93	57.35	66.47	49.43	53.96	60.46	58.18	58.60
	DAY LEQ	68.48		EVENING LEQ	66.79		NIGHT LEQ	63.97	

CNEL	71.69
DAY LEQ	68.48

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

39	:Id
San Jacinto Avenue	:Road
G Street to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	10500
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	643.96	7.87	3.06	475.90	1.40	1.40	119.20	10.50	4.08
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	21.25	2.12	-1.98	19.94	-5.38	-5.37	13.92	3.37	-0.73
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.79	54.95	55.36	64.48	47.44	51.97	58.47	56.19	56.61
	DAY LEQ	66.49		EVENING LEQ	64.80		NIGHT LEQ	61.98	

CNEL	69.70
DAY LEQ	66.49

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

39	:Id
San Jacinto Avenue	:Road
G Street to Redlands Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	11500
Speed	45
Distance	47
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	705.29	8.62	3.35	521.22	1.53	1.53	130.55	11.50	4.47
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	21.65	2.52	-1.58	20.33	-4.99	-4.98	14.32	3.77	-0.33
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.19	55.34	55.76	64.88	47.83	52.36	58.86	56.59	57.01
	DAY LEQ	66.88		EVENING LEQ	65.19		NIGHT LEQ	62.37	

CNEL	70.10
DAY LEQ	66.88

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

40	:Id
San Jacinto Avenue	:Road
Redlands Avenue to Wilson Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	16500
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1011.94	12.37	4.81	747.84	2.20	2.20	187.32	16.50	6.42
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	23.21	4.09	-0.01	21.90	-3.42	-3.41	15.89	5.34	1.24
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	66.42	55.57	55.99	65.10	48.06	52.59	59.09	56.82	57.23
	DAY LEQ	67.11		EVENING LEQ	65.42		NIGHT LEQ	62.60	

CNEL	70.32
DAY LEQ	67.11

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

40	:Id
San Jacinto Avenue	:Road
Redlands Avenue to Wilson Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	19300
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	1183.66	14.47	5.63	874.74	2.57	2.58	219.10	19.30	7.51
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	23.89	4.77	0.67	22.58	-2.74	-2.73	16.57	6.02	1.92
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	67.10	56.25	56.67	65.78	48.74	53.27	59.77	57.50	57.92
	DAY LEQ	67.79		EVENING LEQ	66.10		NIGHT LEQ	63.28	

CNEL	71.00
DAY LEQ	67.79

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

41	:Id
San Jacinto Avenue	:Road
Wilson Avenue to Evans Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	13700
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	840.21	10.27	4.00	620.93	1.82	1.83	155.53	13.70	5.33
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	22.41	3.28	-0.82	21.09	-4.23	-4.22	15.08	4.53	0.43
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.61	54.76	55.18	64.29	47.25	51.78	58.28	56.01	56.43
	DAY LEQ	66.30		EVENING LEQ	64.61		NIGHT LEQ	61.79	

CNEL	69.52
DAY LEQ	66.30

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

41	:Id
San Jacinto Avenue	:Road
Wilson Avenue to Evans Road	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	14700
Speed	45
Distance	64
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	901.54	11.02	4.29	666.25	1.96	1.96	166.88	14.70	5.72
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14
ADJUSTMENTS									
Flow	22.71	3.59	-0.52	21.40	-3.92	-3.91	15.39	4.83	0.73
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	65.91	55.07	55.48	64.60	47.56	52.09	58.59	56.32	56.73
	DAY LEQ	66.61		EVENING LEQ	64.92		NIGHT LEQ	62.10	

CNEL	69.82
DAY LEQ	66.61

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Ellis Avenue to Navajo Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	29000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	55.00
										DISTANCE	64.00
INPUT PARAMETERS											
Vehicles per hour	1606.56	110.66	28.54	1192.78	18.44	4.76	295.88	153.70	39.63	% A	88
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81	% HT	2.46
ADJUSTMENTS											
Flow	24.35	12.73	6.84	23.06	4.95	-0.94	17.00	14.16	8.27		
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	77.80
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	72.93
LEQ	70.93	66.44	64.52	69.64	58.66	56.74	63.59	67.87	65.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	72.93		EVENING LEQ	70.17		NIGHT LEQ	70.91		Use hour?	no
										GRADE dB	0.00
		CNEL	**77.80**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Ellis Avenue to Navajo Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	30400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	55.00
										DISTANCE	64.00
INPUT PARAMETERS											
Vehicles per hour	1684.12	116.01	29.91	1250.37	19.33	4.99	310.17	161.12	41.55	% A	88.00
Speed in MPH	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	72.73	79.85	83.81	72.73	79.85	83.81	72.73	79.85	83.81	% HT	2.46
ADJUSTMENTS											
Flow	24.55	12.94	7.05	23.26	5.15	-0.73	17.21	14.36	8.48		
Distance	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	78.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	73.13
LEQ	71.14	66.65	64.72	69.84	58.86	56.94	63.79	68.07	66.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	73.13		EVENING LEQ	70.38		NIGHT LEQ	71.12		Use hour?	no
										GRADE dB	0.00
		CNEL	**78.00**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Navajo Road to A Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	39500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	2188.24	150.73	38.87	1624.65	25.12	6.48	403.01	209.35	53.98	% A	88
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	2.46
ADJUSTMENTS											
Flow	26.56	14.94	9.06	25.27	7.16	1.28	19.22	16.37	10.48		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	78.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	73.66
LEQ	71.11	67.77	66.40	69.81	59.98	58.62	63.76	69.19	67.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	73.66		EVENING LEQ	70.53		NIGHT LEQ	72.24		Use hour?	no
										GRADE dB	0.00
		CNEL	**78.97**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Navajo Road to A Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	41200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	2282.42	157.22	40.54	1694.57	26.20	6.76	420.36	218.36	56.31	% A	88.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	2.46
ADJUSTMENTS											
Flow	26.75	15.13	9.24	25.45	7.35	1.46	19.40	16.55	10.67		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	79.15
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	73.85
LEQ	71.29	67.95	66.58	70.00	60.17	58.80	63.94	69.37	68.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	73.85		EVENING LEQ	70.71		NIGHT LEQ	72.42		Use hour?	no
										GRADE dB	0.00
		CNEL	**79.15**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **A Street to D Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	34500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1911.25	131.65	33.95	1419.00	21.94	5.66	352.00	182.85	47.15	% A	88
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	27.07	15.45	9.56	25.77	7.67	1.78	19.72	16.87	10.99		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	76.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	70.80
LEQ	67.38	65.47	64.81	66.08	57.69	57.02	60.03	66.90	66.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	70.80		EVENING LEQ	67.12		NIGHT LEQ	70.05		Use hour?	no
										GRADE dB	0.00
		CNEL	**76.62**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **A Street to D Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	35900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1988.81	136.99	35.33	1476.58	22.83	5.89	366.28	190.27	49.06	% A	88.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	27.24	15.62	9.73	25.95	7.84	1.95	19.89	17.05	11.16		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	76.79
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	70.97
LEQ	67.55	65.65	64.98	66.25	57.87	57.20	60.20	67.07	66.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	70.97		EVENING LEQ	67.29		NIGHT LEQ	70.22		Use hour?	no
										GRADE dB	0.00
		CNEL	**76.79**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **D Street to Perris Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	22100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1224.31	84.33	21.75	908.98	14.06	3.62	225.48	117.13	30.20	% A	88
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	25.13	13.51	7.63	23.84	5.73	-0.15	17.78	14.94	9.05		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	74.69
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.86
LEQ	65.44	63.54	62.87	64.15	55.76	55.09	58.09	64.97	64.30	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.86		EVENING LEQ	65.18		NIGHT LEQ	68.11		Use hour?	no
										GRADE dB	0.00
		CNEL	**74.69**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **D Street to Perris Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1279.71	88.15	22.73	950.11	14.69	3.79	235.69	122.43	31.57	% A	88.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	25.32	13.71	7.82	24.03	5.92	0.04	17.98	15.13	9.25		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	74.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	69.06
LEQ	65.63	63.73	63.06	64.34	55.95	55.28	58.29	65.16	64.49	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	69.06		EVENING LEQ	65.37		NIGHT LEQ	68.30		Use hour?	no
										GRADE dB	0.00
		CNEL	**74.88**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Perris Boulevard to G Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	18600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1030.41	70.98	18.30	765.03	11.83	3.05	189.77	98.58	25.42	% A	88
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	24.38	12.76	6.88	23.09	4.98	-0.90	17.04	14.19	8.31		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	73.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.11
LEQ	64.69	62.79	62.12	63.40	55.01	54.34	57.34	64.22	63.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.11		EVENING LEQ	64.43		NIGHT LEQ	67.36		Use hour?	no
										GRADE dB	0.00
		CNEL	**73.94**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **Perris Boulevard to G Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	19500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1080.27	74.41	19.19	802.04	12.40	3.20	198.96	103.35	26.65	% A	88.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	24.59	12.97	7.08	23.30	5.19	-0.70	17.24	14.40	8.51		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	74.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.32
LEQ	64.90	63.00	62.33	63.60	55.22	54.55	57.55	64.42	63.76	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.32		EVENING LEQ	64.64		NIGHT LEQ	67.57		Use hour?	no
										GRADE dB	0.00
		CNEL	**74.14**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **G Street to Redlands Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1163.37	80.14	20.66	863.74	13.36	3.44	214.26	111.30	28.70	% A	88
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	24.91	13.29	7.41	23.62	5.51	-0.38	17.56	14.72	8.83		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	74.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.64
LEQ	65.22	63.32	62.65	63.93	55.54	54.87	57.87	64.75	64.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.64		EVENING LEQ	64.96		NIGHT LEQ	67.89		Use hour?	no
										GRADE dB	0.00
		CNEL	**74.47**								

FHWA Traffic Noise Prediction Model FHWA-RD-77-108

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

Project: **19598 City of Perris Housing Implementation Measures**

Road: **SR-74**

Segment: **G Street to Redlands Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	22300.00
										SPEED	35.00
										DISTANCE	47.00
INPUT PARAMETERS											
Vehicles per hour	1235.39	85.10	21.94	917.21	14.18	3.66	227.52	118.19	30.48	% A	88.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	9.54
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	2.46
ADJUSTMENTS											
Flow	25.17	13.55	7.67	23.88	5.77	-0.12	17.82	14.98	9.09		
Distance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	74.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.90
LEQ	65.48	63.58	62.91	64.19	55.80	55.13	58.13	65.01	64.34	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.90		EVENING LEQ	65.22		NIGHT LEQ	68.15		Use hour?	no
										GRADE dB	0.00
		CNEL	**74.73**								

General Plan Buildout (Post 2030) Without Project Conditions Traffic Noise

42	:Id
Wilson Avenue	:Road
Nuevo Road to San Jacinto Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	2700
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	165.59	2.02	0.79	122.37	0.36	0.36	30.65	2.70	1.05
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	17.91	-1.22	-5.32	16.59	-8.73	-8.72	10.58	0.03	-4.07
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	54.08	46.60	48.65	52.77	39.09	45.26	46.75	47.85	49.90
	DAY LEQ	55.74		EVENING LEQ	53.63		NIGHT LEQ	53.14	

CNEL	60.22
DAY LEQ	55.74

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

General Plan Buildout (Post 2030) With Project Conditions Traffic Noise

42	:Id
Wilson Avenue	:Road
Nuevo Road to San Jacinto Avenue	:Segment

Vehicle Distribution (Light Truck Mix)				
Motor-Vehicle Type	Daytime % (7 AM - 7 PM)	Evening % (7 PM - 10 PM)	Night % (10 PM - 7 AM)	Total % of Traffic Flow
Automobiles	75.56	13.96	10.49	97.40
Medium Trucks	48.91	2.17	48.91	1.84
Heavy Trucks	47.30	5.41	47.30	0.74

ADT	3800
Speed	25
Distance	33
Left Angle	-90
Right Angle	90

	Daytime			Evening			Night		
Noise Parameters	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks	Autos	Medium Trucks	Heavy Trucks
INPUT PARAMETERS									
Vehicles per hour	233.05	2.85	1.11	172.23	0.51	0.51	43.14	3.80	1.48
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
NOISE CALCULATIONS									
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24
ADJUSTMENTS									
Flow	19.39	0.26	-3.84	18.08	-7.25	-7.23	12.06	1.51	-2.59
Distance	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00
LEQ	55.56	48.08	50.14	54.25	40.58	46.74	48.24	49.33	51.39
	DAY LEQ	57.22		EVENING LEQ	55.12		NIGHT LEQ	54.62	

CNEL	61.70
DAY LEQ	57.22

Day hour	0.00
Absorptive?	no
Use hour?	no
GRADE dB	0.00

Notes:

(1) FHWA Traffic Noise Prediction Model FHWA-RD-77-108

(2) Vehicle percentages based on County of Riverside light truck mix.

RTE	RTE_SFX	DIST	CNTY	PM_PFX	POSTMILE	PM_SFX	LEG	DESCRIPTION	VEHICLE_AADT_TOTAL	TOT_TRK_AADT	TRK_PERCENT_TOT	TRK_2_AXLE	TRK_2_AXLE_PCT	TRK_3_AXLE	TRK_3_AXLE_PCT	TRK_4_AXLE	TRK_4_AXLE_PCT	TRK_5_AXLE	TRK_5_AXLE_PCT	EAL	EST_YEAR	EST_CODE
074		08	RIV		27.530		B	JCT. RTE. 215	18000	2160	12.00	1469	68.00	194	9.00	108	5.00	389	18.00	219	88	E

Source: https://dot.ca.gov/programs/traffic-operations/census

	Auto	Medium	Heavy
	15840	1717	443
Percents	88.00	9.54	2.46

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