Appendix I

Noise Report

Acoustical Assessment JD Fields Pipe Facility Project City of Hemet, California

Prepared by:



Expect More. Experience Better.

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August 2022

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Appendix A: Noise Data

LIST OF ABBREVIATED TERMS

4 D T	and the second state of th
ADT	average daily traffic
dBA	A-weighted sound level
CEQA	California Environmental Quality Act
CNEL	community equivalent noise level
L _{dn}	day-night noise level
dB	decibel
du/ac	dwelling units per acre
L_{eq}	equivalent noise level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating ventilation and air conditioning
Hz	hertz
I-10	Interstate 10
I-215	Interstate 215
in/sec	inches per second
L_{max}	maximum noise level
μPa	micropascals
L _{min}	minimum noise level
MC	Municipal Code
PPV	peak particle velocity
PVC	Polyvinyl chloride
RMS	root mean square
sq. ft.	Square foot
SR-74	State Route 74
SR-79	State Route 79
USGS	United States Geological Survey
VdB	vibration velocity level

1 INTRODUCTION

This report documents the results of an Acoustical Assessment completed for the Hemet Foxgate Warehouse (Project). The purpose of this Acoustical Assessment is to evaluate the potential construction and operational noise and vibration levels associated with the Project and determine the level of impact the Project would have on the environment.

1.1 **Project Location**

The proposed JD Fields Pipe Facility Project (Project) encompasses approximately 9.2 acres. The Project site is located in the City of Hemet, on the east side of S. Gilmore Street and approximately 700 feet south of W. Acacia Avenue; refer to <u>Exhibit 1: Local Vicinity Map</u>. Local access to the Project site is provided S. Gilmore Street. Regional access is provided by State Route 74 (SR-74), which connects to Interstate 215 (I-215) to the west and State Route 79 (SR-79), which connects to the Interstate 10 (I-10) to the north; refer to <u>Exhibit 2: Regional Vicinity Map</u>. Additionally, the property is located on the United States Geological Survey (USGS) 7.5-Minute Series Topographic Map, Hemet, California-Riverside County Quadrangle.

1.2 Project Description

The existing 9.2-acre site is currently vacant and unimproved. The Project proposes the development of a 25,000 square foot (sq. ft.) metal/prefab modular warehouse building consisting of 22,000 sq. ft. warehouse space and 3,300 sq. ft. office, an approximately 11,961 sq. ft. detention basin, 60 parking stalls, truck trailer parking, loading and off-loading docks, interior drives, a 7.0 acres laydown or outdoor storage facility, perimeter fencing, and landscaping; refer to Exhibit 3: Conceptual Site Plan. The proposed warehouse facility is anticipated to be utilized by the owner/operator, JD Fields & Company, for receipt/delivery, storage, fabrication, and distribution of steel/Polyvinyl chloride (PVC) pipe, steel piling, plumping equipment, valves, and flanges. However, the facility would exclude retail sale of any products fabricated and/or stored on site. This project intends to employ approximately 50 on-site office/warehouse workers of various construction trades (skilled labor), including a professional sales staff, and may operate twenty-four (24) hours a day, seven (7) days a week.

The proposed Project is consistent with the General Plan land use designation of Industrial (I) which allows for a range of manufacturing, business office, assembly, fabrication, construction, transportation, logistics, and auto repair uses. The proposed Project is also consistent with existing Zoning of General Manufacturing (M-2), which permits a range of manufacturing and processing uses, including the proposed pipe fabrication and storage use.

Site Access

Regional access is provided by SR-74, which connects to I-215 to the west and SR-79, which connects to I-10 to the north. Truck, passenger, and emergency vehicle access would be provided via three (3) gated access driveways along S. Gilmore Street.

Fencing

The Project would incorporate three (3) entry gates and 6' high perimeter security fencing.

Parking

Pursuant to §90-1423 of the Hemet Zoning Code, the number of parking spaces required for manufacturing or industrial establishments, including offices is 1 space for each 500 square feet of gross floor area. The total square footage of the proposed warehouse building is 25,000 square feet; therefore, the Project would be required to provide at least 50 parking spaces. The Project proposes 60 parking spaces, which would exceed the minimum required number by ten (10) spaces.

Hours of Operation

The Project is anticipated to employ approximately 50 on-site office/warehouse workers of various construction trades (skilled labor), including a professional sales staff, and may operate twenty-four (24) hours a day, seven (7) days a week.

Construction and Operation

The Project would be constructed in one phase. For the purposes of this analysis, construction is anticipated to commence construction in early 2022 and would begin operation by mid to late 2022.

Existing General Plan Land Use and Zoning Designations

The City's 2030 General Plan was adopted on January 24, 2012 and the Zoning Code (Chapter 90 of the Hemet Municipal Code [MC]) was adopted in 1984 via Ordinance No. 621). Both documents have been periodically amended and/or revised since the time of adoption. Zoning is the primary mechanism for implementing the General Plan. It provides detailed regulations pertaining to permitted and conditional uses, site development standards, and performance criteria to implement the goals and policies of the General Plan. In particular, the Land Use Element of the City's GP establishes the primary basis for consistency with the City's Zoning Code. The City's Zoning Map corresponds with the General Plan designations. The Project is located within the Industrial (I) General Plan Land Use Designation and the General Manufacturing (M-2) Zone.^{1, 2}

¹ City of Hemet, *2030 General Plan*, Chapter 2: Land Use, Figure 2.1 Land Use Plan, January 24, 2012, Retrieved from City of Hemet's Website: https://www.hemetca.gov/DocumentCenter/View/5329/2_Land_Use_web5142019?bidId=, Accessed June 21, 2021.

² City of Hemet. Zoning Map. Available at https://www.hemetca.gov/DocumentCenter/View/5289/official-zoningmap1222019?bidId=, accessed on June 21,2021.

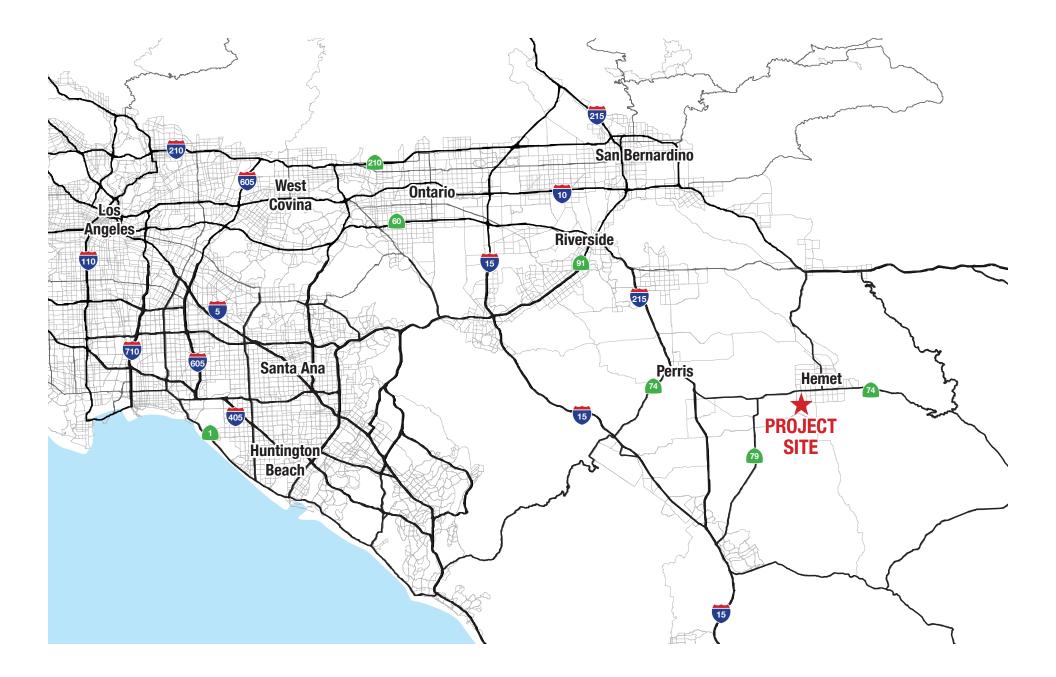


EXHIBIT 1: Regional Location Map Hemet Warehouse Project *City of Hemet*

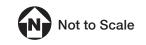
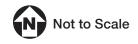






EXHIBIT 2: Project Vicinity Map Hemet Warehouse Project *City of Hemet*





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Not to Scale

EXHIBIT 3: Conceptual Site Plan Hemet Warehouse Project *City of Hemet*



2 ACOUSTIC FUNDAMENTALS

2.1 Sound and Environmental Noise

Acoustics is the science of sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a medium (e.g. air) to human (or animal) ear. If the pressure variations occur frequently enough (at least 20 times per second), they can be perceived by the human ear and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or hertz (Hz).

Noise is defined as loud, unexpected, or annoying sound. In acoustics, the fundamental model consists of a noise source, a receptor, and the propagation path between the two. The loudness of the noise source, obstructions, or atmospheric factors affecting the propagation path, determine the perceived sound level and noise characteristics at the receptor. Acoustics deal primarily with the propagation and control of sound. A typical noise environment consists of a base of steady background noise that is the sum of many distant and indistinguishable noise sources. Superimposed on this background noise is the sound from individual local sources. These sources can vary from an occasional aircraft or train passing by to continuous noise from traffic on a major highway. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a large range of numbers. To avoid this, the decibel (dB) scale was devised. The dB scale uses the hearing threshold of 20 micropascals (μ Pa) as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The dB scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels correspond closely to human perception of relative loudness. Table 1: Typical Noise Levels provides typical noise levels.

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	- 110 -	Rock Band
Jet fly-over at 1,000 feet		
	- 100 -	
Gas lawnmower at 3 feet		
	- 90 -	
Diesel truck at 50 feet at 50 miles per hour		Food blender at 3 feet
	- 80 -	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	- 70 -	Vacuum cleaner at 10 feet
Commercial area		Normal Speech at 3 feet
Heavy traffic at 300 feet	- 60 -	
		Large business office
Quiet urban daytime	- 50 -	Dishwasher in next room
Quiet urban nighttime	- 40 -	Theater, large conference room (background
Quiet suburban nighttime		
	- 30 -	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	- 20 -	
		Broadcast/recording studio
	- 10 -	
Lowest threshold of human hearing	-0-	Lowest threshold of human hearing

Noise Descriptors

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. The equivalent noise level (L_{eq}) represents the continuous sound pressure level over the measurement period, while the day-night noise level (L_{dn}) and Community Equivalent Noise Level (CNEL) are measures of energy average during a 24-hour period, with dB weighted sound levels from 7:00 p.m. to 7:00 a.m. Most commonly, environmental sounds are described in terms of L_{eq} that has the same acoustical energy as the summation of all the time-varying events. Each is applicable to this analysis and defined in Table 2: Definitions of Acoustical Terms.

Table 2: Definitions of Acoust	
Term	Definitions
	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10
Decibel (dB)	of the ratio of the pressure of the sound measured to the reference pressure. The reference
	pressure for air is 20.
	Sound pressure is the sound force per unit area, usually expressed in μPa (or 20
	micronewtons per square meter), where 1 pascals is the pressure resulting from a force of
Sound Pressure Level	1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in
	dB as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by
	the sound to a reference sound pressure (e.g. 20 μ Pa). Sound pressure level is the quantity
	that is directly measured by a sound level meter.
	The number of complete pressure fluctuations per second above and below atmospheric
Frequency (Hz)	pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are
	below 20 Hz and ultrasonic sounds are above 20,000 Hz.
	The sound pressure level in dB as measured on a sound level meter using the A-weighting
A Maightad Sound Loval (dDA)	filter network. The A-weighting filter de-emphasizes the very low and very high frequency
-Weighted Sound Level (dBA)	components of the sound in a manner similar to the frequency response of the human ear
	and correlates well with subjective reactions to noise.
	The average acoustic energy content of noise for a stated period of time. Thus, the Leg of a
	time-varying noise and that of a steady noise are the same if they deliver the same acoustic
Equivalent Noise Level (L _{eq})	energy to the ear during exposure. For evaluating community impacts, this rating scale
	does not vary, regardless of whether the noise occurs during the day or the night.
Maximum Noise Level (L _{max})	The measure and minimum dDA during the measurement revied
Minimum Noise Level (L _{min})	The maximum and minimum dBA during the measurement period.
Exceeded Noise Levels	The dBA values that are exceeded 1%, 10%, 50%, and 90% of the time during the
(L ₀₁ , L ₁₀ , L ₅₀ , L ₉₀)	measurement period.
	A 24-hour average L_{eq} with a 10 dBA weighting added to noise during the hours of 10:00
Day-Night Noise Level (L _{dn})	p.m. to 7:00 a.m. to account for noise sensitivity at nighttime. The logarithmic effect of
	these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn} .
	A 24-hour average L_{eq} with a 5 dBA weighting during the hours of 7:00 a.m. to 10:00 p.m.
	and a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to
Community Noise Equivalent	account for noise sensitivity in the evening and nighttime, respectively. The logarithmic
Level (CNEL)	effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.7
	dBA CNEL.
	The composite of noise from all sources near and far. The normal or existing level of
Ambient Noise Level	environmental noise at a given location.
	That noise which intrudes over and above the existing ambient noise at a given location
	The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and
Intrusive	time of occurrence and tonal or informational content as well as the prevailing ambient
	noise level.

The A-weighted decibel (dBA) sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends on the distance between the receptor and the noise source.

A-Weighted Decibels

The perceived loudness of sounds is dependent on many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by dBA values. There is a strong correlation between dBA and the way the human ear perceives sound. For this reason, the dBA has become the standard tool of environmental noise assessment. All noise levels reported in this document are in terms of dBA, but are expressed as dB, unless otherwise noted.

Addition of Decibels

The dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic dB is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dBA higher than one source under the same conditions. Under the dB scale, three sources of equal loudness together would produce an increase of 5 dBA.

Sound Propagation and Attenuation

Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics. No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. For line sources, an overall attenuation rate of 3 dB per doubling of distance is assumed.

Noise levels may also be reduced by intervening structures; generally, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA, while a solid wall or berm reduces noise levels by 5 to 10 dBA. The way older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semicommercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in dBA, the following relationships should be noted:

- Except in carefully controlled laboratory experiments, a 1-dBA change cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A minimum 5-dBA change is required before any noticeable change in community response would be expected. A 5-dBA increase is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

Effects of Noise on People

<u>Hearing Loss</u>. While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise. The Occupational Safety and Health Administration has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over 8 hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

<u>Annoyance</u>. Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. A noise level of about 55 dBA L_{dn} is the threshold at which a substantial percentage of people begin to report annoyance³.

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³ Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

2.2 Groundborne Vibration

Sources of groundborne vibrations include natural phenomena (earthquakes, volcanic eruptions, sea waves, landslides, etc.) or man-made causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g. factory machinery) or transient (e.g. explosions). Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. The RMS velocity is defined as the average of the squared amplitude of the signal. The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

Table 3: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations, displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Maximum PPV (in/sec)	Vibration Annoyance Potential Criteria	Vibration Damage Potential Threshold Criteria	FTA Vibration Damage Criteria
0.008		Extremely fragile historic buildings, ruins, ancient monuments	
0.01	Barely Perceptible		
0.04	Distinctly Perceptible		
0.1	Strongly Perceptible	Fragile buildings	
0.12			Buildings extremely susceptible to vibration damage
0.2			Non-engineered timber and masonry buildings
0.25		Historic and some old buildings	
0.3		Older residential structures	Engineered concrete and masonry (no plaster)
0.4	Severe		
0.5		New residential structures, Modern industrial/commercial buildings	Reinforced-concrete, steel or timber (no plaster)
PPV = peak particle	e velocity; in/sec = inches per sec	ond; FTA = Federal Transit Administration	

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving which requires the use of heavy-duty earth moving equipment. For the purposes of this analysis, a PPV descriptor with units of inches per second (in/sec) is used to evaluate constructiongenerated vibration for building damage and human complaints.

3 REGULATORY SETTING

To limit population exposure to physically or psychologically damaging as well as intrusive noise levels, the Federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise.

3.1 Federal

Federal Transit Administration Noise and Vibration Guidance

The Federal Transit Administration (FTA) has published the Transit Noise and Vibration Impact Assessment Manual to provide guidance on procedures for assessing impacts at different stages of transit project development. The report covers both construction and operational noise impacts and describes a range of measures for controlling excessive noise and vibration. In general, the primary concern regarding vibration relates to potential damage from construction. The guidance document establishes criteria for evaluating the potential for damage for various structural categories from vibration.

3.2 State of California

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 CNEL and "conditionally acceptable" up to 70 CNEL. Multiple-family residential uses are "normally acceptable" up to 65 CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

Title 24 – Building Code

The State's noise insulation standards are codified in the California Code of Regulations, Title 24: Part 1, Building Standards Administrative Code, and Part 2, California Building Code. These noise standards are applied to new construction in California for interior noise compatibility from exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential buildings, schools, or hospitals, are located near major transportation noise sources, and where such noise sources create an exterior noise level of 65 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new multi-family residential and non-residential buildings, the acceptable interior noise limit for new construction is 45 dBA CNEL.

3.3 Local

City of Hemet General Plan

Applicable policies and standards governing environmental noise in the City are set forth in the General Plan 2030 Public Safety Element. Table 6.5 from the City's General Plan 2030 outlines the acceptable daytime/nighttime noise performance standards for non-transportation noise sources and is detailed in Table 4.

Noise Level Descriptor Daytime Nighttime					
Noise Level Descriptor	7:00 am to 10:00 pm	10:00 pm to 7:00 am			
Hourly Average Level (Leq)	60 dBA	45 dBA			
Maximum Equivalent Levels (Lmax)	75 dBA	65 dBA			
Source: City of Hemet General Plan 2030, Public Safety Element, Table 6.5					
Notes: Each of the noise levels specified shall be lowe					

speech or music, or for recurring impulsive noises. These noise level standards do not apply to residential units established in conjunction with industrial or commercial uses (e.g., caretaker dwellings). The noise standard is to be applied at the property lines of the affected land use

Per the City of Hemet General Plan Noise Element (Table II-F-4), the maximum allowable exterior noise level at residences and school classrooms is 65 dBA (CNEL). The maximum interior noise level is 45 dBA (CNEL). As referenced, CNEL is a 24-hour average with penalties added for noise occurring during the evening and at night. In addition to the noise standards, the City has outlined goals, policies and implementation measures to reduce potential noise impacts and are presented below (City of Hemet 2012):

- **Goal PS-11** Manage noise levels through land use planning and development review.
- **PS-11.1 Noise Standards**. Enforce noise standards to maintain acceptable noise limits and protect existing areas with acceptable noise environments.
- **PS-11.2 Design to Minimize Noise.** Encourage the use of siting and building design techniques as a means to minimize noise.
- **PS-11.3 Evaluate Noise.** Evaluate potential noise conflicts for individual sites and projects, and require mitigation of all significant noise impacts (including construction and short- term noise impacts) as a condition of project approval.
- PS-11.4 Protect Noise-Sensitive Uses. Protect noise-sensitive uses from new noise sources
- **Goal PS-12** Minimize noise conflicts from transportation sources and airports
- **PS-12.1 Traffic Noise.** Minimize noise conflicts between current and proposed land uses and the circulation network by encouraging compatible land uses around critical roadway segments with higher noise potential.
- **PS-12.3** Airport Noise. Ensure that future development in the vicinity of Hemet-Ryan Airport is compatible with current and projected airport noise levels in accordance with the noise standards presented in Table 6.4

- **Goal PS-13** Minimize noise conflicts with stationary noise generators.
- **PS-13.1 Protect Valuable Noise Sources**. Protect the continued viability of economically valuable noise sources such as commercial and industrial facilities and the Hemet-Ryan Airport.
- **PS-13.2** New Sensitive Uses. Restrict the location of sensitive land uses near major noise sources to achieve the standards present in Table 6.4.
- **PS-13.3 Prevent Encroachment.** Prevent the encroachment of noise sensitive land uses into areas designated for use by existing or future noise generators.

City of Hemet Noise Ordinance

Chapter 30, Article II, Section 30-32(33) of the Hemet Municipal Code allows construction activities between the hours of 6:00 a.m. and 6:00 p.m. during the months of June through September and between the hours of 7:00 a.m. and 6:00 p.m. during the months of October through May. Construction occurring consistent with these provisions is exempt from regulation.

4 EXISTING CONDITIONS

4.1 Existing Noise Sources

The City of Hemet is impacted by various noise sources. Mobile sources of noise, especially cars and trucks, are the most common and significant sources of noise in most communities. Other sources of noise are the various land uses (i.e., residential, commercial, industrial, and recreational and parks activities) throughout the County that generate stationary-source noise.

Mobile Sources

The predominant mobile noise source in the Project area is the traffic noise along West Acacia Avenue to the north, South Lyon Avenue to the east, and Kirby Street to the west. State Route (SR-74) is approximately 0.4 miles to the north of the Project site.

Stationary Sources

The primary sources of stationary noise in the Project vicinity are those associated with the operations and maintenance of a warehouse and the Hemet Unified School District Office located to the north of the project site. The noise associated with these sources may represent a single-event noise occurrence or short-term noise typically associated with the parking lot noise. Furthermore, The Project site and surrounding areas are dominated by constant roadway and freeway noise.

4.2 Noise Measurements

The Project site is currently vacant. To quantify existing ambient noise levels in the Project area, Kimley-Horn conducted three short-term (10-minute) measurements on July 27th, 2022, and one long-term noise measurement (24 hours in duration) starting on July 27th, 2022 and ending July 28th, 2022; see **Appendix A: Noise Data.** The noise measurement sites were representative of typical existing noise exposure within and immediately adjacent to the Project site. The 10-minute daytime measurements were taken between 9:20 a.m. and 9:56 a.m. near potential sensitive receptors. Short-term L_{eq} measurements are considered representative of the noise levels throughout the day. The average noise levels and sources of noise measured at each location are listed in **Table 4: Existing Noise Measurements** and the measurement locations are depicted in **Exhibit 4: Noise Measurement Locations**.

Acoustical Assessment

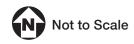
Table 4:	Table 4: Existing Noise Measurements						
Site	Location	Location Measurement Period Duration		Daytime Average L _{eq} (dBA) ¹	Nighttime Average L _{eq} (dBA) ¹		
Short-Ter	m Noise Measurements (10-minute measurements)						
ST-1	End of Rosemary Court near residential properties, south of the project site.	9:20 a.m., Wednesday, July 27, 2022	10 min.	59.8	-		
ST-2	End of South Gilmore Street near residential properties, southwest of the project site.	10:35 a.m., Wednesday, July 27, 2022	10 min.	56.6	-		
ST-3	Along South Gilmore Street near residential properties, northwest of the project site	9:46 a.m., Wednesday, July 27, 2022	10 min.	51.5	-		
Long-Tern	n Noise Measurements (continuous 72-hour measuren	nents)					
LT-1	At the southeast corner of the project site.	Wednesday, July 27, 2022 to Thursday, July 28, 2022	24 hr.	46.3	40.2		
	e hours are from 7:00 a.m. to 10:00 p.m., and nighttime ho nour nighttime average were calculated from 24-hour meas	•		, .			
Source: No	ise measurements taken by Kimley-Horn and Associates, Ju	lly 27-28, 2022. See <u>Appendix A</u> for	noise measur	rement results.			

4.3 Sensitive Receptors

Noise exposure goals for various types of land uses reflect the varying noise sensitivities associated with those uses. Noise sensitive uses typically include residences, hospitals, schools, childcare facilities, and places of assembly. Vibration sensitive receivers are generally similar to noise sensitive receivers but may also include businesses, such as research facilities and laboratories that use vibration-sensitive equipment. Sensitive receptors near the Project site consist mostly of mobile-home community, single-family residences, and a retirement community. The nearest sensitive receptors are the existing mobile homes located approximately 70 feet to the west of the Project construction boundary.

Table 5: Sensitive Receptors				
Receptor Description Distance and Direction from the Project				
Villa Del Sol Mobile Estates	70 feet to the west			
Single-Family Residences	130 feet to the south			
Source: Google Earth				







5 SIGNIFICANCE CRITERIA AND METHODOLOGY

5.1 CEQA Thresholds

Appendix G of the California Environmental Quality Act (CEQA) Guidelines contains analysis guidelines related to noise impacts. These guidelines have been used by the City to develop thresholds of significance for this analysis. A project would create a significant environmental impact if it would:

- Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generate excessive groundborne vibration or groundborne noise levels; and
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the Project area to excessive noise levels.

5.2 Methodology

Construction

Construction noise levels were based on typical noise levels generated by construction equipment published by the Federal Transit Administration (FTA) and FHWA. Construction noise is assessed in dBA Leq. This unit is appropriate because Leq can be used to describe noise level from operation of each piece of equipment separately, and levels can be combined to represent the noise level from all equipment operating during a given period.

Reference noise levels are used to estimate operational noise levels at nearby sensitive receptors based on a standard noise attenuation rate of 6 dB per doubling of distance (line-of-sight method of sound attenuation for point sources of noise). Noise level estimates do not account for the presence of intervening structures or topography, which may reduce noise levels at receptor locations. Therefore, the noise levels presented herein represent a conservative, reasonable worst-case estimate of actual temporary construction noise.

Operations

The analysis of the operational noise environment is based on noise attenuation calculations (inverse square law) and empirical observations. Reference noise level data are used to estimate the Project operational noise impacts from stationary sources. Noise levels were collected from published sources from similar types of activities and used to estimate noise levels expected with the Project's stationary sources. The reference noise levels are used to represent a worst-case noise environment as noise level from stationary sources can vary throughout the day. Operational noise is evaluated based on the standards within the City's noise standards.

Vibration

Ground-borne vibration levels associated with construction activities for the Project were evaluated utilizing typical ground-borne vibration levels associated with construction equipment, obtained from FTA

published data for construction equipment. Potential ground-borne vibration impacts related to building/structure damage and interference with sensitive existing operations were evaluated, considering the distance from construction activities to nearby land uses and typically applied criteria.

6 POTENTIAL IMPACTS AND MITIGATION

6.1 Acoustical Impacts

Threshold 6.1 Would the Project generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g. land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect the residential neighborhoods surrounding the construction site. Project construction would occur approximately 70 feet to the east of the mobile-home community and 130 feet to the north of the single-family residences. However, it is acknowledged that construction activities would occur throughout the Project site and would not be concentrated at a single point near sensitive receptors.

Construction activities would include site preparation, grading, building construction, paving, and architectural coating. Such activities would require graders, scrapers, and tractors during site preparation; graders, dozers, and tractors during grading; cranes, forklifts, generators, tractors, and welders during building construction; pavers, rollers, mixers, tractors, and paving equipment during paving; and air compressors during architectural coating. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 to 4 minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. Typical noise levels associated with individual construction equipment are listed in Table 6: Typical Construction Noise Levels.

Equipment	Maximum Noise Level (dBA) at 50 feet from Source	Maximum Noise Level (dBA) at 70 feet from Source ¹
Air Compressor	80	77.1
Backhoe	80	77.1
Compactor	82	79.1
Concrete Mixer	85	82.1
Crane, Mobile	83	79.1
Dozer	85	73.1
Generator	82	85.1
Grader	85	80.1
Loader	80	82.1
Paver	85	79.1
Pump	77	82.1
Roller	85	82.1
Saw	76	73.1
Truck	84	81.1
o .	mula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/cA_1 = reference noise level; d_1 = reference distance; d_2 = refere$	

Chapter 30, Article II, Section 30-32(33) of the Hemet Municipal Code allows construction activities between the hours of 6:00 a.m. and 6:00 p.m. during the months of June through September and between the hours of 7:00 a.m. and 6:00 p.m. during the months of October through May. Construction occurring consistent with these provisions is exempt from regulation. Neither the City's General Plan nor Municipal Code establish numeric maximum acceptable construction source noise levels at potentially affected receivers. However, this analysis conservatively uses the FTA's threshold of 80 dBA (8-hour Leq) for residential uses⁴.

Following FTA's methodology for quantitative construction noise assessments, FHWA's Roadway Construction Noise Model (RCNM) was used to predict construction noise. The noise levels calculated in <u>Table 7: Project Construction Noise Levels</u>, show estimated exterior construction noise. In accordance with FTA methodology, when calculating construction noise, all construction equipment is assumed to operate simultaneously at the approximate center of the construction area, since equipment would operate throughout the Project site and not at a fixed location for extended periods of time. Therefore, assuming the distance from the center of the construction area to sensitive receptors is representative of equipment moving throughout the Project site (i.e., closer and further away from sensitive receptors). Accordingly, the distance used in RCNM is approximately 370 feet from the residences .

	Receptor Location			Worst Case Modeled	Noise Threshold	
Construction Phase	Land Use	Direction	Distance (feet) ¹	Exterior Noise Level (dBA L _{eq})	(dBA L _{eq}) ²	Exceeded?
		West	370	70.2	80	No
Site Preparation	Residential	South	490	67.8	80	No
		West	370	70.8	80	No
Grading	Residential	South	490	68.4	80	No
	Residential	West	370	72.0	80	No
Construction		South	490	69.5	80	No
	ving Residential	West	370	69.1	80	No
Paving		South	490	66.7	80	No
Architectural		West	370	56.3	80	No
Coating	Residential	South	490	53.9	80	No

2. Threshold from the Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.

Source: Federal Highway Administration, *Roadway Construction Noise Model*, 2006. Refer to Appendix A for noise modeling results.

As shown in <u>Table 7</u>, construction noise levels would not exceed the applicable 80 dBA FTA construction thresholds at the nearest sensitive receptors. The highest exterior noise level at sensitive receptors would occur during the building construction stage and would be 72.0 dBA which is below the FTA's 80 dBA threshold. Construction equipment would operate throughout the Project site and the associated noise levels would not occur at a fixed location for extended periods of time. Although sensitive uses may be exposed to elevated noise levels during project construction, these noise levels would be acoustically

⁴ Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, Table 7-2, Page 179, September 2018.

dispersed throughout the Project site, masked by roadway and freeway noise, and not concentrated in one area near surrounding sensitive uses.

The City of Hemet Municipal Code does not establish quantitative construction noise standards, but only allows construction activities between the hours of 6:00 a.m. and 6:00 p.m. during the months of June through September and between the hours of 7:00 a.m. and 6:00 p.m. during the months of October through May. Therefore, FTA's 80 dBA threshold has been utilized in this analysis. Therefore, the impact from construction noise would be less than significant level.

Operations

Implementation of the proposed Project would create new sources of noise in the project vicinity. The major noise sources associated with the project would include the following:

- Mechanical equipment (i.e. trash compactors, air conditioners, etc.);
- Slow moving trucks on the Project site, approaching and leaving the loading areas;
- Activities at the loading areas (i.e. maneuvering and idling trucks, equipment noise);
- Parking areas (i.e. car door slamming, car radios, engine start-up, and car pass-by); and
- Off-Site Traffic Noise.

Mechanical Equipment

The nearest sensitive receptors are mobile-home residences on the west side of South Gilmore Street. Potential stationary noise sources related to long-term operation of the project site would include mechanical equipment. Mechanical equipment (e.g. heating ventilation and air conditioning [HVAC] equipment) typically generates noise levels of approximately 52 dBA at 50 feet.⁵ HVAC would be roof mounted. As the closest residential unit would be approximately 280 feet from the warehouse building, the worst-case HVAC equipment noise would be 37.0 dBA based on distance attenuation alone (using the inverse square law of sound propagation)⁶ and would not exceed the City's 60 dBA daytime and 45 dBA nighttime standards at the residential uses to the west and south. Operation of mechanical equipment would not increase ambient noise levels beyond the acceptable compatible land use noise levels. Therefore, the proposed Project would result in a less than significant impact related to stationary noise levels.

Truck and Loading Dock Noise

During loading and unloading activities, noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting braking activities; backing up toward the docks; dropping down the dock ramps; and maneuvering away from the docks. Loading or unloading activities would occur on the north/center of the Project site. Vehicular access to the proposed Project site would consist of three project driveways along South Gilmore Street.

Typically, heavy truck operations generate a noise level of 68 dBA at a distance of 30 feet.⁷ The closest residences are located approximately 320 feet west of the nearest proposed loading areas. At this

⁵ Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

⁶ Sound level reduces by 6 dB for every doubling of distance.

⁷ Loading dock reference noise level measurements conducted by Kimley-Horn on December 18, 2018.

distance, these truck noise levels would be approximately 47.4 dBA (based on distance attenuation alone). Additionally, there is a concrete block wall along the sensitive receptors' property line that would partially break the line of sight to the Project loading areas. Based on the FHWA RCNM User's Guide (2006), a barrier that partially blocks the line of sight attenuates noise by 3 dBA. Therefore, truck and loading noise would attenuate to 44.4 dBA, which is below the City's 60 dBA daytime and 45 dBA nighttime exterior residential noise standard. Loading dock doors would also be surrounded with protective aprons, gaskets, or similar improvements that, when a trailer is docked, would serve as a noise barrier between the interior warehouse activities and the exterior loading area. This would attenuate noise emanating from interior activities, and as such, interior loading and associated activities would be permissible during all hours of the day. Noise levels associated with trucks and loading or unloading activities would not exceed the City's standards and impacts would be less than significant.

Outdoor Storage Area Noise

The Project site would include a warehouse building and a 7-acre outdoor storage area for receipt/delivery, fabrication, and distribution of steel/Polyvinyl chloride (PVC) pipe, steel piling, plumping equipment, valves, and flanges. During delivery and storage activities, noise would be generated by the forklifts and trucks for storage and movement of the materials within outdoor storage area.

Storage area activities would occur on the south and center of the Project site. Typically, forklift operations generate a noise level of 61 dBA at a distance of 50 feet.⁸ The closest residences are located approximately 70 feet west of the nearest proposed storage areas. At this distance, these forklifts noise levels would be approximately 58.1 dBA (based on distance attenuation alone). Additionally, there is a concrete block wall along the sensitive receptors' property line that would partially break the line of sight to the Project outdoor storage areas. Based on the FHWA RCNM User's Guide (2006), a barrier that partially blocks the line of sight attenuates noise by 3 dBA. Therefore, forklifts noise would attenuate to 55.1 dBA. Additionally, when combined with the truck noise level of 44.4 dBA described above, the combined noise level of trucks and forklifts would be 58.3 dBA, which is below the City's 60 dBA daytime residential noise standard. Outdoor storage activities would only occur during daytime hours. Noise levels associated with forklifts and outdoor storage activities would not exceed the City's standards and impacts would be less than significant.

Parking Noise

The proposed Project would accommodate the need for parking. Traffic associated with parking lots is typically not of sufficient volume to exceed community noise standards, which are based on a timeaveraged scale such as the CNEL scale. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 53 to 61 dBA.⁹ Conversations in parking areas may also be an annoyance to adjacent sensitive receptors. Sound levels of speech typically range from 33 dBA at 50 feet for normal speech to 50 dBA at 50 feet for very loud speech.¹⁰ It should be noted that parking lot noises are instantaneous noise levels compared to noise standards in the hourly Leq metric, which are averaged over the entire duration of a time period.

⁸ Warehouse & Forklift Workplace Noise Levels, *The Main Noise Exposed SEG – Forklift Drivers*, <u>https://www.noisetesting.info/blog/warehouse-forklift-workplace-noise-levels/</u>, Accessed July 26, 2022.

⁹ Kariel, H. G., Noise in Rural Recreational Environments, Canadian Acoustics 19(5), 3-10, 1991.

¹⁰ Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

Actual noise levels over time resulting from parking lot activities would be far lower than the reference levels identified above. Parking lot noise would occur within the surface parking lot on-site. It is also noted that parking lot noise occurs at the adjacent properties under existing conditions. Parking lot noise would be consistent with the existing noise in the vicinity and would be partially masked by background noise from traffic along West Acacia Avenue and Kirby Street. Noise associated with parking lot activities is not anticipated to exceed the City's noise standards during operation. Therefore, noise impacts from parking lots would be less than significant.

Off-Site Traffic Noise

Implementation of the Project would generate increased traffic volumes along nearby roadway segments. In general, a traffic noise increase of less than 3 dBA is barely perceptible to people, while a 5-dBA increase is readily noticeable.¹¹ Traffic volumes on Project area roadways would have to approximately double for the resulting traffic noise levels to increase by 3 dBA.¹² Therefore, permanent increases in ambient noise levels of less than 3 dBA would be less than significant. Project related trips would occur along West Acacia Avenue.

The primary role of collector roadways is to provide access between the arterial network and the neighborhoods and commercial development. These roadways are typically two lanes wide with limited access to driveways and cross streets. They are usually undivided and do not have turn lanes at intersections. According to this definition, Lomitas Avenue and South 5th Avenue would be categorized as Collector roads. The typical capacity of a collector street is approximately 15,000 vehicles per day.¹³ The proposed Project would generate only 44 net daily vehicle trips (32 passenger cars and 12 Trucks), which would not double the existing traffic volumes and would not result in a perceivable noise increase. Therefore, operational noise impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 6.2 Would the Project expose persons to or generate excessive ground borne vibration or ground borne noise levels?

Once operational, the Project would not be a source of ground-borne vibration. Increases in ground-borne vibration levels attributable to the proposed Project would be primarily associated with short-term construction-related activities. Construction on the Project site would have the potential to result in varying degrees of temporary ground-borne vibration, depending on the specific construction equipment used and the operations involved.

The Federal Transit Administration (FTA) has published standard vibration velocities for construction equipment operations. In general, the FTA architectural damage criterion for continuous vibrations (i.e., 0.2 in/sec) appears to be conservative. The types of construction vibration impacts include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly

¹² California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, 2013.

¹¹ Federal Highway Administration, *Highway Traffic Noise Analysis and Abatement Policy and Guidance, Noise Fundamentals,* https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm, accessed July 12, 2021.

¹³ County of Los Angeles, County of Los Angeles General Plan Update Transportation and Circulation Analysis, 2014.

above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. For example, for a building that is constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.20 in/sec is considered safe and would not result in any construction vibration damage.

<u>Table 8: Typical Construction Equipment Vibration Levels</u>, lists vibration levels at 25 feet for typical construction equipment. Ground-borne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. As indicated in <u>Table 8</u>, based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during Project construction range from 0.003 to 0.089 in/sec PPV at 25 feet from the source of activity.

Equipmont	Peak Particle Velocity	Peak Particle Velocity	Peak Particle Velocity		
Equipment	at 25 Feet (in/sec)	at 35 Feet (in/sec)	at 70 Feet (in/sec) ¹		
Large Bulldozer	0.089	0.0537	0.0190		
Caisson Drilling	0.089	0.0537	0.0190		
Loaded Trucks	0.076	0.0459	0.0162		
Jackhammer	0.035	0.0211	0.0075		
Small Bulldozer/Tractors 0.003 0.0018 0.0006					

the equipment adjusted for the distance; PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018; and D = the distance from the equipment to the receiver.

Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.

The nearest sensitive receptors are mobile-home residences approximately 70 feet to the west and the nearest structure (a commercial building to the east) is approximately 35 feet or more from the active construction zone. Using the calculation shown in <u>Table 9</u>, at 35 and 70 feet the vibration velocities from construction equipment would not exceed 0.0537 in/sec PPV, which is below the FTA's 0.20 PPV threshold. It is also acknowledged that construction activities would occur throughout the Project site and would not be concentrated at the point closest to the nearest residential structure. Therefore, vibration impacts associated with the proposed Project would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 6.3 For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

The Hemet-Ryan Airport, located approximately 1.9 miles southwest of the Project site, is the nearest airport. However, according to the Hemet-Ryan Airport Land Use Compatibility Plan (Adopted February 9,

2017), the Project site is outside of the airport's 55 dBA noise contour. Therefore, the Project would not expose people to excessive noise levels. There are no other airports within two miles of the project site. Therefore, there is no impact surrounding the proposed Project concerning airport noise, including from a private airstrip.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6.2 Cumulative Noise Impacts

Cumulative Construction Noise

The Project's construction activities would not exceed the FTA's noise standards and would not result in a substantial temporary increase in ambient noise levels. Construction noise would be periodic and temporary noise impacts that would cease upon completion of construction activities. The Project would contribute to other proximate construction project noise impacts if construction activities were conducted concurrently. However, based on the noise analysis above, the Project's construction-related noise impacts would be less than significant following the City of Hemet Municipal Code.

Construction activities at other planned and approved projects near the Project site would be required to comply with applicable City rules related to noise and would take place during daytime hours on the days permitted by the applicable Municipal Code, and projects requiring discretionary City approvals would be required to evaluate construction noise impacts, comply with the City's standard conditions of approval, and implement mitigation, if necessary, to minimize noise impacts. Construction noise impacts are by nature localized. Based on the fact that noise dissipates as it travels away from its source, noise impacts would be limited to the Project site and vicinity. Therefore, Project construction would not result in a cumulatively considerable contribution to significant cumulative impacts, assuming such a cumulative impact existed, and impacts in this regard are not cumulatively considerable.

Cumulative Operational Noise

Stationary noise sources of the proposed Project would result in an incremental increase in nontransportation noise sources in the Project vicinity. However, as discussed above, operational noise caused by the proposed Project would be less than significant. Additionally, due to site distance to sensitive receptors cumulative stationary noise impacts would not occur. Similar to the proposed Project, other planned and approved projects would be required to mitigate for stationary noise impacts at nearby sensitive receptors, if necessary. As stationary noise sources are generally localized, there is a limited potential for other projects to contribute to cumulative noise impacts.

No known past, present, or reasonably foreseeable projects would combine with the operational noise levels generated by the Project to increase noise levels above acceptable standards because each project must comply with applicable County/City regulations that limit operational noise. Therefore, the Project, together with other projects, would not create a significant cumulative impact, and even if there was such a significant cumulative impact, the Project would not make a cumulatively considerable contribution to significant cumulative operational noises.

Given that noise dissipates as it travels away from its source, operational noise impacts from on-site activities and other stationary sources would be limited to the Project site and vicinity. Thus, cumulative operational noise impacts from related projects, in conjunction with Project specific noise impacts, would not be cumulatively significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

7 REFERENCES

- 1. California Department of Transportation, California Vehicle Noise Emission Levels, 1987.
- 2. California Department of Transportation, *Traffic Noise Analysis Protocol*, 2020.
- 3. California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, 2013.
- 4. California Department of Transportation, *Transportation and Construction Vibration Guidance Manual*, 2020.
- 5. City of Hemet, *General Plan*, 2030.
- 6. City of Hemet, *Code of Ordinances*, 2021.
- 7. Federal Highway Administration, *Roadway Construction Noise Model*, 2006.
- 8. Federal Highway Administration, Roadway Construction Noise Model User's Guide Final Report, 2006.
- 9. Federal Interagency Committee on Noise, Federal Agency Review of Selected Airport Noise Analysis Issues, 1992.
- 10. Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.
- 11. Kimley-Horn, *Trip Generation and VMT Screening Memorandum for the Proposed Foxgate Warehouse Project in the City of Hemet*, July 2021.
- 12. Riverside County, *Hemet-Ryan Airport Land Use Compatibility Plan*, Adopted February 9, 2017.
- 13. United States Environmental Protection Agency, Protective Noise Levels (EPA 550/9-79-100), 1979.

Appendix A

Noise Data

Noise Mea	suremer	nt Field Data				
Project:	Hemet Foxgate Job Number:		Job Number:	195335001		
Site No.:	1			Date:	7/27/2022	
Analyst:	Daisy Pi	neda and Steven Yu		Time:	9:20 - 9:30 AM	
Location:	End of F	End of Rosemary Court, south of Project site				
Noise Sour	ces:	Dogs barking, crows, I	oirds chirping			
Comments	Comments: Loud dog					
Results (dB	BA):					
		Leq:	Lmin:	Lmax:	Peak:	
		59.8	31.6	78.6	95.1	

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

Weather				
Temp. (degrees F):	76			
Wind (mph):	< 5			
Sky:	Clear			
Bar. Pressure:	29.94 inHg			
Humidity:	48%			

Photo:



Kimley » Horn

Summary							
File Name on Meter File Name on PC	HEM001.s LxTse_0007061-20220727 (192042-HEM 001 Idbin					
Serial Number	0007061	52042 HEW001.10511					
Model	SoundExpert® LxT						
Firmware Version	2.404						
User							
Location Job Description							
Note							
Measurement Description							
Start	2022-07-27 09:20:42						
Stop	2022-07-27 09:30:42						
Duration	00:10:00.0						
Run Time Pause	00:10:00.0 00:00:00.0						
T duse	00.00.00.0						
Pre-Calibration	2022-07-26 16:22:40						
Post-Calibration Calibration Deviation	None						
Calibration Deviation							
Overall Settings			l i				
RMS Weight	A Weighting						
Peak Weight Detector	A Weighting Slow						
Preamplifier	SIOW PRMLxT1L						
Microphone Correction	FF:90 2116						
Integration Method	Linear						
OBA Range	Normal						
OBA Bandwidth OBA Frequency Weighting	1/1 and 1/3 A Weighting						
OBA Frequency weighting OBA Max Spectrum	A weighting At LMax						
Overload	122.6 dB						
Under Bange Back	A 70.3	C 76.2	Z 81.2 dB				
Under Range Peak Under Range Limit	79.2 24.3	76.2 25.3	81.2 dB 31.5 dB				
Noise Floor	15.1	16.2	22.4 dB				
	_						
Instrument Identification	First iley-Horn and Associates Fown	Second &Country Rd, #700 Or	Third range, CA 92868				
			-				
Results							
LAeq	59.8 dB						
LAE	87.6 dB	L.					
EA LApeak (max)	63.666 μPa ² 2022-07-27 09:21:06	n 95.1 dB					
LASmax	2022-07-27 09:20:47	78.6 dB					
LASmin	2022-07-27 09:25:21	31.6 dB					
SEA	-99.9 dB						
	Exceedance Counts	Duration					
LAS > 85.0 dB	0	0.0 s					
LAS > 115.0 dB	0	0.0 s					
LApeak > 135.0 dB LApeak > 137.0 dB	0	0.0 s					
LApeak > 137.0 dB LApeak > 140.0 dB	0	0.0 s 0.0 s					
Community Noise	Ldn 59.8	LDay 07:00-22:00 LNi 59.8	ght 22:00-07:00 -99.9	Lden 59.8	LDay 07:00-19:00 59.8	LEvening 19:00-22:00 -99.9	LNight 22:00-07:00 -99.9
		33.0		55.0	55.0		
LCeq	63.3 dB						
LAeq LCeg - LAeg	59.8 dB 3.5 dB						
Laled	68.2 dB						
LAeq	59.8 dB						
LAleq - LAeq	8.4 dB						
		a Stamp		Time Sterre		Z Timo Stomp	
Leq	dB Tin 59.8	ne Stamp	dB T 63.3	Time Stamp	dB	Time Stamp	
Leq LS(max)		22/07/27 9:20:47	03.5				
LS(min)		22/07/27 9:25:21					
LPeak(max)		22/07/27 9:21:06					
Overload Count	0						
Overload Duration	0.0 s						
OBA Overload Count	0						
OBA Overload Duration	0.0 s						
Statistics							
LA 5.00	66.3 dB						
LA 10.00	49.6 dB						
LA 33.30 LA 50.00	41.8 dB 39.5 dB						
LA 56.60	37.1 dB						
LA 90.00	34.6 dB						
Calibration History Preamp	Date	dB re. 1V/Pa		6.3	8.0	10.0	12.5
	Date	ra		0.5			
PRMLxT1L	2022-07-26 16:22:40	-28.86		56.89	60.40	57.01	55.19
	2022-07-26 16:22:40 2022-07-26 15:57:58 2022-07-13 14:24:01	-28.86 -28.79 -28.77		56.89 50.34 53.68	60.40 59.71 50.25	57.01 53.18 47.40	55.19 52.19 52.29

Calibration history						
Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2022-07-26 16:22:40	-28.86	56.89	60.40	57.01	55.19
PRMLxT1L	2022-07-26 15:57:58	-28.79	50.34	59.71	53.18	52.19
PRMLxT1L	2022-07-13 14:24:01	-28.77	53.68	50.25	47.40	52.29
PRMLxT1L	2022-06-29 07:27:55	-28.80	46.55	59.38	50.34	51.46
PRMLxT1L	2022-06-28 08:39:41	-28.80	95.39	89.08	90.47	97.06
PRMLxT1L	2022-06-15 14:25:38	-28.72	60.53	66.22	57.72	61.31
PRMLxT1L	2022-06-14 10:43:32	-28.82	63.53	57.91	51.35	51.41
PRMLxT1L	2022-05-09 13:38:12	-28.63	43.09	53.16	51.71	45.65
PRMLxT1L	2022-05-09 12:21:37	-28.62	44.85	41.27	53.84	41.84
PRMLxT1L	2022-05-09 10:43:25	-28.57	26.29	21.32	36.94	45.19
PRMLxT1L	2022-05-09 10:28:43	-26.38	13.95	27.42	113.18	48.03

	_	nt Field Data			405005004
Project:	Hemet	oxgate		Job Number:	195335001
Site No.:	2			Date:	7/27/2022
Analyst:	Daisy Pi	neda and Steven Yu		Time:	10:35 - 10:45 AM
Location:	End of S	South Gilmore Street, s	outhwest of Project s	ite	
Noise Sour	ces:	Birds chirping, dog ba	rking		
Comments	:				
Results (dE	BA):				
		Leq:	Lmin:	Lmax:	Peak:
		56.6	33.4	60.5	86.4

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

Weather				
Temp. (degrees F):	82			
Wind (mph):	< 5			
Sky:	Clear			
Bar. Pressure:	30.01 inHg			
Humidity:	38%			

Photo:



Kimley **»Horn**

Summary File Name on Meter File Name on PC Serial Number Model Firmware Version User Location Job Description Note

HEM_.004.s LxTse_0007061-20220727 103508-HEM_.004.ldbin 0007061 SoundExpert® LxT 2.404

Note								
Measurement								
Description								
Start Stop	2022-07-27 10:35:08 2022-07-27 10:45:08							
Duration	00:10:00.0							
Run Time	00:10:00:0							
Pause	00:00:00.0							
Pre-Calibration	2022-07-26 16:22:40							
Post-Calibration	None							
Calibration Deviation								
Overall Settings								
RMS Weight	A Weighting							
Peak Weight Detector	A Weighting Slow							
Preamplifier	PRMLxT1L							
Microphone Correction	FF:90 2116							
Integration Method	Linear							
OBA Range	Normal							
OBA Bandwidth	1/1 and 1/3							
OBA Frequency Weighting	A Weighting							
OBA Max Spectrum	At LMax							
Overload	122.6 dB							
	Α	С	Z					
Under Range Peak	79.2	76.2	81.2					
Under Range Limit	24.3	25.3	31.5					
Noise Floor	15.1	16.2	22.4	dB				
	First	Second	Third					
Instrument Identification	nley-Horn and Associates To		Orange, CA 92868					
Results								
LAeq	56.6 dB							
LAE	84.4 dB							
EA LApeak (max)	30.473 μP 2022-07-27 10:44:20		10					
LApeak (max) LASmax	2022-07-27 10:44:20 2022-07-27 10:44:20	86.4 c 60.5 c						
LASmin	2022-07-27 10:44.20	33.4 0						
SEA	-99.9 dB		10					
	Exceedance Counts	Durati	on					
LAS > 85.0 dB	0	0.0 s						
LAS > 115.0 dB	0	0.0 s						
LApeak > 135.0 dB	0	0.0 s						
LApeak > 137.0 dB	0	0.0 s						
LApeak > 137.0 dB LApeak > 140.0 dB	0 0	0.0 s 0.0 s						
LApeak > 137.0 dB	0 0 Ldn	0.0 s 0.0 s LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00	dP
LApeak > 137.0 dB LApeak > 140.0 dB	0 0	0.0 s 0.0 s		Lden 56.6	LDay 07:00-19:00 56.6	LEvening 19:00-22:00 -99.9	LNight 22:00-07:00 -99.9	dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	0 0 Ldn 56.6	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq	0 0 Ldn 56.6 63.4 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq	0 0 Ldn 56.6 63.4 dB 56.6 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq	0 0 Ldn 56.6 63.4 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq	0 0 56.6 56.6 dB 56.6 dB 56.6 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LCeq - LAeq LAeq	0 0 Ldn 56.6 63.4 dB 56.6 dB 6.8 dB 6.8 dB 5.7.7 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00 -99.9					dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq	0 0 Ldn 56.6 63.4 dB 56.6 dB 5.8 dB 57.7 dB 57.7 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00			-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LCeq - LAeq LAeq LAeq LAeq LAleq	0 0 Ldn 56.6 63.4 dB 56.6 dB 56.6 dB 57.7 dB 56.6 dB 1.1 dB 1.1 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00 -99.9 C			-99.9		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq - LAeq Leq - LAeq	0 0 Ldn 56.6 63.4 dB 56.6 dB 57.7 dB 56.6 dB 1.1 dB 1.1 dB 1.1 dB 1.1 dB	0.0 s 0.0 s LDay 07:00-22:00 56.6	LNight 22:00-07:00 -99.9	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAleq - LAeq Laleq - LAeq Laleq - LAeq	0 0 Ldn 56.6 63.4 dB 56.6 dB 57.7 dB 56.6 dB 1.1 dB 1.1 dB 1.1 dB 1.1 6 6 6 6 5 6.5 d	0.0 4 0.0 5 0.0 5 0.0 5 0.0 5 0.0 5 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 10 0.0	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq LCeq - LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	0 Ldm 56.6 63.4 dB 55.6 dB 55.6 dB 1.1 dB 1 1 1 56.6 1.1 dB 1 56.6 dB 1.1 dB 1 56.6 dB 3.6 dB 1.1 dB 1 56.6 dB 3.6 dB 3.6 dB 1.1 dB 3.6 dB 3	0.0 s 0.0 s LDay 07:00-22:00 56.6 Time Stamp 1022/07/27 10:44:20 002/07/27 10:35:08	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAleq LAleq - LAeq Laleq - LAeq	0 Ldm 56.6 63.4 dB 55.6 dB 55.6 dB 1.1 dB 1 1 1 56.6 1.1 dB 1 56.6 dB 1.1 dB 1 56.6 dB 3.6 dB 1.1 dB 1 56.6 dB 3.6 dB 3.6 dB 1.1 dB 3.6 dB 3	0.0 4 0.0 5 0.0 5 0.0 5 0.0 5 0.0 5 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 10 0.0	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAleq LAleq - LAeq Laleq - LAeq Laleq - LAeq Ls(max) Ls(min) Lpeak(max)	0 0 Ldn 56.6 63.4 dB 56.6 dB 57.7 dB 56.6 dB 1.1 dB 1.1 dB 1.1 6 6.6 5 2 3.3.4 2 3.3.4 2 8.6.4 2	0.0 s 0.0 s LDay 07:00-22:00 56.6 Time Stamp 1022/07/27 10:44:20 002/07/27 10:35:08	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAe	0 0 Ldn 56.6 63.4 dB 56.6 dB 57.7 dB 5.6 dB 1.1 dB 1 5.6 d 60.5 2 3.3.4 2 2 8.6 d 2 60.5 2 3.3.4 2 0 0	0.0 s 0.0 s LDay 07:00-22:00 56.6 Time Stamp 1022/07/27 10:44:20 002/07/27 10:35:08	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq Laeq - LAeq Laeq Leq Leq Leq Leq Ls(max) Ls(mix) Overload Count Overload Duration	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0 s 0.0 s LDay 07:00-22:00 56.6 Time Stamp 1022/07/27 10:44:20 002/07/27 10:35:08	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB
LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laquita Laeq Laeq Laquita Laeq Laquita Laeq Laquita Laqu	0 0 Ldn 56.6 63.4 dB 56.6 dB 57.7 dB 5.6 dB 1.1 dB 1 5.6 d 60.5 2 3.3.4 2 2 8.6 d 2 60.5 2 3.3.4 2 0 0	0.0 s 0.0 s LDay 07:00-22:00 56.6 Time Stamp 1022/07/27 10:44:20 002/07/27 10:35:08	LNight 22:00-07:00 -99.9 C	56.6	56.6	-99.9 Z		dB

Statistics	
LA 5.00	57.3 dB
LA 10.00	57.1 dB
LA 33.30	56.9 dB
LA 50.00	56.7 dB
LA 66.60	56.6 dB
LA 90.00	56.4 dB

Calibration History						
Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5 16
PRMLxT1L	2022-07-26 16:22:40	-28.86	56.89	60.40	57.01	55.19 53.7
PRMLxT1L	2022-07-26 15:57:58	-28.79	50.34	59.71	53.18	52.19 42.5
PRMLxT1L	2022-07-13 14:24:01	-28.77	53.68	50.25	47.40	52.29 46.2
PRMLxT1L	2022-06-29 07:27:55	-28.80	46.55	59.38	50.34	51.46 51.6
PRMLxT1L	2022-06-28 08:39:41	-28.80	95.39	89.08	90.47	97.06 85.2
PRMLxT1L	2022-06-15 14:25:38	-28.72	60.53	66.22	57.72	61.31 57.0
PRMLxT1L	2022-06-14 10:43:32	-28.82	63.53	57.91	51.35	51.41 46.5
PRMLxT1L	2022-05-09 13:38:12	-28.63	43.09	53.16	51.71	45.65 41.7
PRMLxT1L	2022-05-09 12:21:37	-28.62	44.85	41.27	53.84	41.84 46.1
PRMLxT1L	2022-05-09 10:43:25	-28.57	26.29	21.32	36.94	45.19 34.9
PRMLxT1L	2022-05-09 10:28:43	-26.38	13.95	27.42	113.18	48.03 -0.7

Project:	Hemet F	oxgate		Job Number: 195335					
Site No.:	3			Date:	7/27/2022				
Analyst:	Daisy Pi	neda and Steven Yu		Time:	9:46 - 9:56 AM				
Location:	Along So	g South Gilmore Street, northwest of Project site							
Noise Sour	ces:	Distant traffic, airplane	es, birds chirping						
Comments	:								
Results (dE	BA):	•							
		Leq:	Lmin:	Lmax:	Peak:				
		51.5	39.7	69.2	83.6				

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

Weather						
Temp. (degrees F):	78					
Wind (mph):	< 5					
Sky:	Clear					
Bar. Pressure:	29.94 inHg					
Humidity:	44%					

Photo:



Kimley » Horn

Summary	UEM 002 -						
File Name on Meter File Name on PC	HEM002.s LxTse_0007061-20220	727 094659-HEM002.ld	dbin				
Serial Number	0007061						
Model	SoundExpert [®] LxT						
Firmware Version User	2.404						
Location							
Job Description							
Note							
Measurement							
Description							
Start Stop	2022-07-27 09:46:59 2022-07-27 09:56:59						
Duration	00:10:00.0						
Run Time	00:10:00.0						
Pause	00:00:00.0						
Pre-Calibration	2022-07-26 16:22:40						
Post-Calibration Calibration Deviation	None						
calibration Deviation							
Overall Settings	A 14/-1-bat-						
RMS Weight Peak Weight	A Weighting A Weighting						
Detector	Slow						
Preamplifier Microphone Correction	PRMLxT1L FF:90 2116						
Integration Method	Linear						
OBA Range	Normal						
OBA Bandwidth OBA Frequency Weighting	1/1 and 1/3 A Weighting						
OBA Frequency Weighting OBA Max Spectrum	A weighting At LMax						
Overload	122.6						
Under Range Peak	A 79.2	C 76.2	Z 81.2				
Under Range Limit	24.3	25.3	31.5	dB			
Noise Floor	15.1	16.2	22.4	dB			
	First	Second	Third				
Instrument Identification	iley-Horn and Associates	Fown&Country Rd, #700	Orange, CA 92868				
Results LAeg	51.5	dB					
LAeq	51.5 79.3						
EA	9.417	µPa²h					
LApeak (max) LASmax	2022-07-27 09:53:43 2022-07-27 09:53:44	83.6 69.2					
LASmin	2022-07-27 09:47:34	39.7					
SEA	-99.9	dB					
SEA	Exceedance Counts	dB	tion				
LAS > 85.0 dB	Exceedance Counts 0	Durat 0.0	s				
LAS > 85.0 dB LAS > 115.0 dB	Exceedance Counts 0 0	Durat 0.0 0.0	s s				
LAS > 85.0 dB	Exceedance Counts 0	Durat 0.0	s s s				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB	Exceedance Counts 0 0 0	Dura 0.0 0.0 0.0	s s s				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB	Exceedance Counts 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0	S S S S	Lden	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 139.0 dB	Exceedance Counts 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 0.0	s s s s		LDay 07:00-19:00 51.5	LEvening 19:00-22:00 -99.9	LNight 22:00-07:00 -99.9
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 139.0 dB	Exceedance Counts 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5	s s s LNight 22:00-07:00				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	Exceedance Counts 0 0 0 0 0 0 0 1.5 5.1.5 60.3 5.1.5	Durat 0.0 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB	s s s LNight 22:00-07:00				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LCeq LCeq - LAeq	Exceedance Counts 0 0 0 0 0 0 1 51.5 60.3	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB	s s s LNight 22:00-07:00				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	Exceedance Counts 0 0 0 0 0 0 1 0 51.5 51.5 8.8 8 3 51.5 8.8 8 2.6 51.5	Durat 0.0 0.0 0.0 0.0 0.0 51.5 d8 d8 d8 d8 d8 d8 d8 d8	s s s LNight 22:00-07:00				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LCeq - LAeq	Exceedance Counts 0 0 0 0 0 0 1 1 5 1.5 6 0,3 5 1.5 8.8 8 52.6 51.5 1.1	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9			-99.9	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	Exceedance Counts 0 0 0 0 0 0 1 0 51.5 51.5 8.8 8 3 51.5 8.8 8 2.6 51.5	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB	s s s LNight 22:00-07:00				
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAleq LAleq - LAeq Laleq - LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAleq LAleq - LAeq Laleq - LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq LCeq - LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq LCeq LCeq LAeq LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 15.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Compute the the the the the the the the the t	Exceedance Counts 0 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 1 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LCeq - LAeq LAeq LAleq - LAeq LAleq - LAeq LAIeq - LAIEq LAIeq - LAIEq - LAIEq LAIEq - LAIEq - LAIEq - LAIEq LAIEq - LAIEq - L	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq Laeq Laeq Leq Leq Leq Leq Leq Leq Sama Leak(max) Overload Count Overload Duration OBA Overload Duration Statistics L5.00	Exceedance Counts 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Durat 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq Lage - LAeq - LAE	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 LDay 07:00-22:00 51:5 d8 d8 d8 d8 d8 d8 d8 d8 d8 2022/07/27 9:53:44 2022/07/27 9:53:43 s s	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Laeq Laeq Laeq Laeq LS(max) Subset Coverload Count Overload Duration Overload Duration OBA Overload Duration Statistics LA 5.00 LA 5.00 LA 3.30 LA 3.30 LA 3.50 LA 3.50 LA 3.00 LA 3.30 LA 3.50 LA 3.50 LA 3.00 LA 3.50 LA 3.00 LA 3.0	Exceedance Counts 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0	Durat 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 s s	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Laeq Laeq Laeq Laeq LS(max) Subset Coverload Count Overload Duration Overload Duration OBA Overload Duration Statistics LA 5.00 LA 5.00 LA 3.30 LA 3.30 LA 3.50 LA 3.50 LA 3.00 LA 3.30 LA 3.50 LA 3.50 LA 3.00 LA 3.50 LA 3.00 LA 3.0	Exceedance Counts 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq Statistics Coverload Count Overload Count Overload Count Overload Count Overload Count Overload Duration Statistics LA 5.00 LA 33.30 LA 33.30 LA 50.00 LA 50.	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z	
LAS > 85.0 dB LAS > 115.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Edg - LAeq Set of the set o	Exceedance Counts 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Durat 0.0 0.0 0.0 LDay 07-00-22:00 51.5 dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 s s s dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z Time Stamp	-99.9
LAS > 85.0 dB LAS > 15.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Equival 2 Signary Deveload Count Overload Duration Overload Duration Overload Duration Statistics LA 5.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 33.30 LA 50.00 LA 50.00 L	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Durat 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43 s s s dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	6.3 56.89	51.5	-99.9 Z Time Stamp 	-99.9 12.5 55.19
LAS > 85.0 dB LAS > 115.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Edg - LAeq Set of the set o	Exceedance Counts 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Durat 0.0 0.0 0.0 LDay 07-00-22:00 51.5 dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 s s s dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5	51.5	-99.9 Z Time Stamp	-99.9
LAS > 85.0 dB LAS > 15.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB 2022/07/27 9:753:44 2022/07/27 9:753:43 2022/07/27 9:753:43 2022/07/27 9:753:43 s s dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	6.3 55.89 50.34 53.68 46.55	51.5 dB 60.40 59.71 50.25 59.38	-99.9 Z Time Stamp 10.0 5.01 5.01 5.034 47.40 5.034	-99.9 12.5 55.19 52.19 52.29 51.46
LAS > 85.0 dB LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB 2022/07/27 9:43:44 2022/07/27 9:43:43 2022/07/27 9:43:43 2022/07/27 9:43:44 2022/07/27 9:43:44 2022/07/27 9:45:48 5 5 5 6 8 6 8 6 8 6 8 8 8 8 9 8 9 9 9 9 9 9 9	s s s LNight 22:00-07:00 -99.9	6.3 56.89 50.34 53.68 50.34 53.68 46.55 95.39	51.5	2 Time Stamp	-99.9 12.5 55.19 52.19 52.29 51.46 97.06
LAS > 85.0 dB LAS > 15.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB 2022/07/27 9:753:44 2022/07/27 9:753:43 2022/07/27 9:753:43 2022/07/27 9:753:43 s s dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	6.3 55.89 50.34 53.68 46.55	51.5 dB 60.40 59.71 50.25 59.38	-99.9 Z Time Stamp 10.0 5.01 5.01 5.034 47.40 5.034	-99.9 12.5 55.19 52.19 52.29 51.46
LAS > 85.0 dB LAS > 115.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:52:43 2022/07/27 9:52:42 2022/07/27	s s s LNight 22:00-07:00 -99.9	51.5	51.5 dB	-99.9 Z Time Stamp 10.0 5.01 5.01 5.03 47.40 5.04 5.04	-99.9 12.5 55.19 52.29 51.46 61.31 51.41 45.65
LAS > 85.0 dB LAS > 15.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq C Laeq LAeq Eq C Las(max) Coverload Count Overload Duration Overload Duration Overload Duration Overload Duration Statistics LA 5.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 10.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 10.00 LA 10.00 LA 33.30 LA 50.00 LA 10.00 LA 10.	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 2022/07/27 9:53:43 dB dB dB dB dB dB dB dB dB dB dB dB dB	s s s LNight 22:00-07:00 -99.9	51.5 Time Stamp Time Stamp 6.3 56.89 50.34 56.53 65.55 65.53 65.55	51.5 dB dB 60.40 59.71 50.25 59.38 89.08 66.22 57.91 53.16 41.27	-99.9 Time Stamp 10.0 50.0 53.18 47.40 50.34 90.47 51.35 51.71 53.84	-99.9 12.5 55.19 52.29 51.46 97.06 91.41 151.41 51.41 51.41
LAS > 85.0 dB LAS > 115.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	Exceedance Counts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dural 0.0 0.0 0.0 0.0 LDay 07:00-22:00 51.5 dB dB dB dB dB dB 2022/07/27 9:53:44 2022/07/27 9:53:44 2022/07/27 9:53:43 2022/07/27 9:52:43 2022/07/27 9:52:42 2022/07/27 9:52:42 2022/07/	s s s LNight 22:00-07:00 -99.9	51.5	51.5 dB	-99.9 Z Time Stamp 10.0 5.01 5.01 5.03 47.40 5.04 5.04	-99.9 12.5 55.19 52.29 51.46 61.31 51.41 45.65

suremer	nt Field Data				
Hemet	oxgate	195335001			
LT-1			Date:	7/27/2022	
Daisy Pi	neda and Steven Yu		Time:		
Southea	ast corner of Project site	e		•	
ces:	Distant traffic, birds ch	nirping			
:					
A):	•				
	Leq:	Lmin:	Lmax:	Peak:	
	44.7	29.2	71.7	101.4	
	Hemet I LT-1 Daisy Pi	Daisy Pineda and Steven Yu Southeast corner of Project site ces: Distant traffic, birds cl : A): Leq:	Hemet Foxgate LT-1 Daisy Pineda and Steven Yu Southeast corner of Project site ces: Distant traffic, birds chirping :	Hemet Foxgate Job Number: LT-1 Date: Daisy Pineda and Steven Yu Time: Southeast corner of Project site Time: ces: Distant traffic, birds chirping : Leq: Leq: Lmin:	

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

Weather						
Temp. (degrees F):	86					
Wind (mph):	< 5					
Sky:	Clear					
Bar. Pressure:	30.02 inHg					
Humidity:	34%					

Photo:



Summary								
File Name on Meter	LT004.s							
File Name on PC Serial Number	LxTse_0007061-20220727 113 0007061	747-LT004.ldbin						
Model	SoundExpert® LxT							
Firmware Version	2.404							
User Location								
Job Description								
Note								
Measurement								
Description Start	2022-07-27 11:37:47							
Stop	2022-07-27 11:37:47 2022-07-28 10:27:24							
Duration	22:49:36.9							
Run Time Pause	22:49:36.9 00:00:00.0							
Pre-Calibration Post-Calibration	2022-07-27 11:30:00 None							
Calibration Deviation								
Querell Cettings								
Overall Settings RMS Weight	A Weighting							
Peak Weight	A Weighting							
Detector Preamplifier	Slow PRMLxT1L							
Microphone Correction	FF:90 2116							
Integration Method OBA Range	Linear Normal							
OBA Bandwidth	1/1 and 1/3							
OBA Frequency Weighting	A Weighting At LMax							
OBA Max Spectrum Overload	122.4	dB						
Under Range Peak	A 79.0		с 76.0	Z 81.0				
Under Range Limit	24.2		25.2	31.3				
Noise Floor	15.1		16.1	22.2	dB			
	First		Second	Third				
Instrument Identification	Kimley-Horn and Associates	1100 W. Town&Country Rd	1, #700	Orange, CA 92868				
Results LAeg	44.7	dB						
LAE	93.8							
EA LApeak (max)	269.468 2022-07-27 11:38:05	µPa*h	101.4 c	iB				
LASmax	2022-07-27 13:21:48		71.7 c	iB				
LASmin SEA	2022-07-28 03:31:27 -99.9	dD	29.2 c	İB				
	Fuendance Counts							
LAS > 85.0 dB	Exceedance Counts	Dura	ation 0.0 s					
LAS > 115.0 dB	0		0.0 s 0.0 s					
LAS > 115.0 dB LA _{peak} > 135.0 dB	0 0 0		0.0 s 0.0 s 0.0 s					
LAS > 115.0 dB	0		0.0 s 0.0 s					
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB	0 0 0 0 0	Dura	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s		Lden	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB	0 0 0 0		0.0 s 0.0 s 0.0 s 0.0 s 0.0 s		Lden 48.6		•	LNight 22:00-07:00 40.2
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	0 0 0 0 Ldn 48.2	Dura LDay 07:00	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00			•	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	0 0 0 0 0 0 48.2 62.6 62.4 7 44.7	Dura LDay 07:00 dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00			•	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq	0 0 0 0 48.2 62.6 44.7 17.9	Dura LDay 07:00 dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00			•	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq	0 0 0 0 0 0 48.2 62.6 62.4 7 44.7	Dura LDay 07:00 dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00			•	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise	0 0 0 0 48.2 62.6 44.7 17.9 48.1	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00 40.2			44.3	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAeq LAeq LAeq	0 0 0 0 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 0 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB			•	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAleq LAleq LAleq	0 0 0 0 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 8 8 44.7 3.4	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq	0 0 0 0 48.2 62.6 44.7 17.9 48.1 44.7 3.4 dB 44.7 71.7 72.92	Dura LDay 07:00 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq LAleq	0 0 0 0 48.2 62.6 44.7 71.9 48.1 44.7 3.4 0 8 44.7 3.4	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 335.0 dB LApeak > 337.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAleq LALEq LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ L	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq LAleq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	0 0 0 0 1 1 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 8 8 44.7 71.7 29.2 1014	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 335.0 dB LApeak > 337.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LCeq - LAeq LAleq LALEq LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ LALEQ L	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAIeq - LAeq Deq LAIeq - LAeq LAIeq - LAeq LAIeq - LAeq LAIeq - LAeq LAIeq - LAeq CAPA - LAPA - LA	0 0 0 0 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 dB dB dB dB dB dB dB dB dB dB dB dB dB	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq - LAeq LAleq - LAeq LAleq - LAeq LAIeq - LAeq LAIeq - LAeq LAIeq - LAeq LS(max) LS(min) - Deak(max) Overload Count OVerload Duration OBA Overload Count OBA Overload Duration	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 d8 d8 d6 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq - LAeq Es(max) LS(min) LPeak(max) Overload Count Overload Duration OBA Overload Duration Statistics LA 5.00 LA 10.00 LA 10.00 LA 33.30	0 0 0 0 1 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 8 0 44.7 71.7 71.7 2.9.2 101.4	Dura LDay 07:00 dB dB dB dB dB dB 2022/07/27 13:21:48 2022/07/28 3:31:27 2022/07/27 11:38:05 s s	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq - LAeq LAleq - LAeq LAleq - LAeq LAIeq - LAeq LAIeq - LAeq Lag - LAeq LAIeq - LAeq LAIeq - LAeq Lag - LAeq - LAeq Lag - LAeq - LAeq Lag - LAeq - LAeq - LAE Lag - LAeq - LAE Lag - LAeq - LAE Lag - LAE	0 0 0 0 0 4 48.2 62.6 44.7 71.9 48.1 44.7 3.4 0 8 44.7 71.7 72.9 29.2 101.4 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 d8 d6 d6 d6 d8	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq - LAeq Es(max) LS(min) LPeak(max) Overload Count Overload Duration OBA Overload Duration Statistics LA 5.00 LA 10.00 LA 10.00 LA 33.30	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 LDay 0	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAleq LAeq LAeq LAeq LAeq Same Lama Lama Lama Lama Lama Lama Lama L	0 0 0 0 48.2 62.6 44.7 17.9 48.1 44.7 3.4 0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 d8	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.22:00 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	44.3 Z	
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LS(max) Lyeak(max) Overload Duration OBA Overload Duration OBA Overload Duration OBA Overload Duration Statistics LA 5.00 LA 10.00 LA 33.30 LA 50.00 LA 66.60 LA 90.00	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 d8 d8 d6 d6 d8 d8 d8 d8 d8 2022/07/27 13:21:48 2022/07/27 13:21:48 2022/07/27 13:38:05 s s s d8 d6	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	. 46.7	Z Time Stamp	40.2
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq LA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 d6	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 46.3	LNight 22:00-07:00 40.2 C dB	48.6	46.7	2 Time Stamp	40.2
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LAeq - LAeq LS(max) Lyeak(max) Overload Duration OBA Overload Duration OBA Overload Duration OBA Overload Duration Statistics LA 5.00 LA 10.00 LA 33.30 LA 50.00 LA 66.60 LA 90.00	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 d6	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	46.7	2 Time Stamp	40.2
LAS > 115.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq LAleq - LAeq Community Noise Leq - LAeq LAeq - LAeq LAeq - LAeq LAIeq - LAEq - LAEq LAIEq - LAEq - LAEq LAIEq - LAEq - LAE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 46.3	LNight 22:00-07:00 40.2 C dB	48.6	. 46.7 dB dB 59.22 36.01 60.4(44.3 Z Time Stamp 	40.2 12.5 79.04 46.54 55.19
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq - LAeq LAeq LAeq - LAeq LAeq - LAeq - LAeq Laeq - LAeq - LAeq Laeq - LAeq - L	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dura LDay 07:00 d8 d8 d6 d6 d8	0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	. 46.7 dB 	44.3 Time Stamp 10.0 92.15 53.09 57.01 53.18 54.18 54.1	40.2 12.5 79.04 46.54 46.54 55.19 52.19
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq Laeq LAeq Laeq Laeq Laeq Laeq Laeq Laeq Laeq La	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 46.3	LNight 22:00-07:00 40.2 C dB	48.6	. 46.7 dB dB 	2 Time Stamp 	40.2 12.5 79.04 46.54 55.19 52.19 52.29 51.46
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq - LAeq Coverload Count Overload Duration OBA Overload Duration Statistics LA 5.00 LA 10.00 LA 10.00 LA 33.30 LA 50.00 LA 66.60 LA 90.00 Calibration History Preamp PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L PRMLxT1L	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00	0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 0.0 s 46.3 46.3 46.3	LNight 22:00-07:00 40.2 C dB	48.6	8.6.7 dB 59.22 36.01 6.9.4 59.23 36.01 6.9.4 59.23 36.25 59.32 59.32 59.33	44.3 Time Stamp 10.0 92.15 53.09 57.01 53.18 47.40 50.34 47.40 50.34 50.47 50.4	40.2 12.5 79.04 46.54 55.19 52.29 52.29 52.29 52.29 52.29 52.29
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00 d6	0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	46.7 46.7	2 Time Stamp 10.0 92.15 53.09 53.09 57.01 53.18 47.40 90.47 90.47 97.72 51.35	40.2 12.5 79.04 46.54 95.19 52.19 52.19 52.29 52.29 52.146 97.06 61.31 51.41
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq - LAeq LAeq - LAeq Coverload Count Overload Duration OBA Overload Count OBA Overload Count OBA Overload Count OBA Overload Count Calibration History Premp PRMLxT1L	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00	0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	46.7 46.7	2 Time Stamp 10.0 92.15 53.09 57.01 53.18 47.40 50.34 90.47 57.72 51.35 51.71	40.2 12.5 79.04 46.54 55.19 52.29 51.46 61.31 51.41 51.54
LAS > 115.0 dB LApeak > 135.0 dB LApeak > 137.0 dB LApeak > 137.0 dB LApeak > 140.0 dB Community Noise LCeq - LAeq LAeq LAeq LAeq LAeq LAeq LAeq LAeq	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dura LDay 07:00	0.0 s 0.0 s	LNight 22:00-07:00 40.2 C dB	48.6	46.7 46.7	2 Time Stamp 10.0 92.15 53.09 57.01 53.18 47.40 50.34 90.47 57.72 51.35 51.71	40.2 12.5 79.04 46.54 95.19 52.19 52.19 52.29 52.29 52.146 97.06 61.31 51.41

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		Results											
	Calculated (dBA	A)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA)	1	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	64.3	60.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	64.3	60.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	64.3	60.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.6	70.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night			
South	Residential	55	50		45		

		Eq	uipment			
		Sp	ec A	ctual	Receptor	Estimated
	Impact	Lm	nax Lr	max	Distance	Shielding
Description	Device	Usage(%) (dB	BA) (d	IBA)	(feet)	(dBA)
Tractor	No	40	84		490	0
Tractor	No	40	84		490	0
Tractor	No	40	84		490	0
Tractor	No	40	84		490	0
Dozer	No	40		81.7	490	0
Dozer	No	40		81.7	490	0
Dozer	No	40		81.7	490	0

Results Calculated (dBA)

∽, Day Noise Limits (dBA) Evening

Day

Night

Night

Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.8	57.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.8	57.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.8	57.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.2	67.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)DescriptionLand UseDaytimeEveningNightResidential555045

Equipment Spec Actual Receptor Estimated

	Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%) (dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84	470	0
Tractor	No	40	84	470	0
Tractor	No	40	84	470	0
Tractor	No	40	84	470	0
Dozer	No	40	81.	7 470	0
Dozer	No	40	81.	7 470	0
Dozer	No	40	81.	7 470	0

		Results											
	Calculated (dB	۹)	Noise Limits (dBA)						Noise L	imit Exceed	ance (dBA))	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.5	68.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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> ---- Receptor #1 ----Baselines (dBA)

Descriptio: Land UseDaytimeEveningNightWestResidential555045

Equipment **Receptor Estimated** Spec Actual Impact Lmax Lmax Distance Shielding Usage(%) (dBA) (dBA) Description Device (dBA) (feet) Excavator No 40 80.7 370 0 Excavator 40 80.7 370 0 No Grader No 40 85 370 0 Scraper No 40 83.6 370 0 0 Scraper No 40 83.6 370 Dozer 40 81.7 370 0 No Tractor No 40 84 370 0 Tractor 40 84 370 0 No

Results Noise Limits (dBA) Noise Limit Exceedance (dBA) Calculated (dBA) Evening Evening Night Day Night Day Equipment *Lmax Leq Lmax Lmax Lmax Lmax Lmax Lmax Leq Leq Leq Leq Leq Leq Excavator 63.3 59.3 N/A Excavator 63.3 59.3 N/A Grader 67.6 63.6 N/A Scraper 66.2 62.2 N/A Scraper 66.2 62.2 N/A Dozer 64.3 60.3 N/A Tractor 66.6 62.6 N/A Tractor 62.6 N/A N/A 66.6 N/A Total 67.6 70.8 N/A
*Calculated Lmax is the Loudest value.

---- Receptor #2 ----Baselines (dBA) Descriptio Land Use Daytime Evening Night South Residential 55 50 45

			Equipr	nent	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.7	490	0
Excavator	No	40			80.7	490	0
Grader	No	40		85		490	0
Scraper	No	40			83.6	490	0
Scraper	No	40			83.6	490	0
Dozer	No	40			81.7	490	0
Tractor	No	40		84		490	0
Tractor	No	40		84		490	0

		Results											
	Calculated (dB/	4)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA))	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	60.9	56.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.9	56.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65.2	61.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	63.8	59.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	63.8	59.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.8	57.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.2	68.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptio Land UseDaytimeEveningNightResidential555045

			Equipr	nent	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.7	470	0
Excavator	No	40			80.7	470	0
Grader	No	40		85		470	0
Scraper	No	40			83.6	470	0
Scraper	No	40			83.6	470	0
Dozer	No	40			81.7	470	0
Tractor	No	40		84		470	0
Tractor	No	40		84		0	0

		Results											
	Calculated (dBA	()	Noise L	imits (dBA)					Noise I	imit Exceed	ance (dBA	.)	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		0		0		0		0		0		0	
Total	64.5	68.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lma	ax is the Loude	est value.										

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---- Receptor #1 ----

Baselines (dBA)Descriptio Land UseDaytimeEveningNightWestResidential555045

			Equipn	nen	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16			80.6	370	0
All Other Equipment >	No	50		85		370	0
All Other Equipment >	No	50		85		370	0
All Other Equipment >	No	50		85		370	0
Generator	No	50			80.6	370	0
Tractor	No	40		84		370	0
Tractor	No	40		84		370	0
Tractor	No	40		84		370	0
Welder / Torch	No	40			74	370	0

		Results											
	Calculated (d	IBA)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA))	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Le	eq Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	63.2	55.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	67.6	64.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	67.6	64.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	67.6	64.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	63.2	60.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	66.6	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	56.6	52.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	67.6	72 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Descriptic	Land Use	Daytime	Evening	Night	
South	Residential	55	5	0	45

			Equipr	nen	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16			80.6	490	0
All Other Equipment >	No	50		85		490	0
All Other Equipment >	No	50		85		490	0
All Other Equipment >	No	50		85		490	0
Generator	No	50			80.6	490	0
Tractor	No	40		84		490	0
Tractor	No	40		84		490	0

 Tractor
 No
 40
 84
 490
 0

 Welder / Torch
 No
 40
 74
 490
 0

			Results											
	Calculated	(dBA)		Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA)	,	
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	60.7	5	52.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	65.2	E	52.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	65.2	e	52.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment >	65.2	e	52.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	60.8	5	57.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	E	50.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	e	50.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	E	50.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	54.2	5	50.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.2	e	59.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

			Receptor #3			
	Baselines (dBA)					
Descriptio Land Use	Daytime	Evening	Night			
Residential	55	50)	45		

			Equipn	nen	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16			80.6	470	0
All Other Equipment >	No	50		85		470	0
All Other Equipment >	No	50		85		470	0
All Other Equipment >	No	50		85		470	0
Generator	No	50			80.6	470	0
Tractor	No	40		84		470	0
Tractor	No	40		84		470	0
Tractor	No	40		84		0	0
Welder / Torch	No	40			74	0	0

		Results												
	Calculated (dB	A)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Crane	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment >	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment >	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment >	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Generator	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Tractor	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Tractor	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Tractor		0		0		0		0		0		0		0
Welder / Torch		0		0		0		0		0		0		0
Total	64.5	68.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	*Calculated In	hax is the Loude	est value											

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				Re	ceptor #1
		Baselines	(dBA)		
Descriptic	Land Use	Daytime	Evening	Night	
West	Residential	55	50		45

			Equipme		_	
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Paver	No	50)	77.2	370	0
Paver	No	50)	77.2	370	0
Pavement Scarafier	No	20)	89.5	370	0
Pavement Scarafier	No	20)	89.5	370	0
Roller	No	20)	80	370	0
Roller	No	20)	80	370	0

		Result	S										
	Calculated	(dBA)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA))	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	59.8	56.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	59.8	56.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	72.1	65.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	72.1	65.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	62.6	55.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	62.6	55.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	72.1	69.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

				Red	ceptor #2
		Baselines	(dBA)		
Descripti	oi Land Use	Daytime	Evening	Night	
South	Residential	55	50	D	45

			Equipment					
			Spec	Actual	Receptor	Estimated		
	Impact		Lmax	Lmax	Distance	Shielding		
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)		
Paver	No	50		77.2	490	0		
Paver	No	50		77.2	490	0		
Pavement Scarafier	No	20		89.5	490	0		
Pavement Scarafier	No	20		89.5	490	0		
Roller	No	20		80	490	0		
Roller	No	20		80	490	0		

		Results											
	Calculated (dBA)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax L	eq Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	57.4	54.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	57.4	54.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	69.7	62.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	69.7	62.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.2	53.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.2	53.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.7	66.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA) Descriptio Land Use Daytime Evening Night Residential 55 50 45

			Equipment					
			Spec	Actual	Receptor	Estimated		
	Impact		Lmax	Lmax	Distance	Shielding		
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)		
Paver	No	50)	77.2	2 470	0 0		

Paver	No	50	77.2	470	0
Pavement Scarafier	No	20	89.5	470	0
Pavement Scarafier	No	20	89.5	470	0
Roller	No	20	80	470	0
Roller	No	20	80	470	0

		Results											
	Calculated (d	BA)	Noise L	imits (dBA)					Noise L	imit Exceed	ance (dBA))	
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Le	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	62.2	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.5	68.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calaulatadu	بامير ما مطلحه مراجع											

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Descriptio Land Use West Residentia	Baselines (dBA Daytime Eve I 55	.) ning Night	ptor #1											
		Equipme	ent											
		Spec	Actual	Receptor	Estimat	ted								
	Impact	Lmax	Lmax	Distance	Shieldir	ng								
Description		ge(%) (dBA)	(dBA)	(feet)	(dBA)									
Compressor (air)	No	40	77.	7 370)	0								
		Results												
	Calculated (dB/	A)	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
		Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax Leq		Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Compressor (air)	60.3	56.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	60.3	56.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	*Calculated Lm	nax is the Loude	st value.											
		Rece	ptor #2											
	Baselines (dBA	.)												
Descriptio Land Use	Daytime Eve	ning Night												
South Residentia	l 55	50 4	15											
		Equipme	ent											
		Spec												
	Impact	Lmax	Lmax	Distance	Shieldir									
Description	Device Usa	ge(%) (dBA)	(dBA)	(feet)	(dBA)									
Compressor (air)	No	40	77.	7 490)	0								
		Results												
	Calculated (dB/					Noise Li	imit Exceeda	ance (dBA)						
		Day		nits (dBA) Evening		Night		Day		Evening	. ,	Night		
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Compressor (air)	57.8	53.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	57.8	53.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	*Calculated Lmax is the Loudest value.													
		Rece	ptor #3											
	Baselines (dBA													
Descriptio Land Use	-	ning Night												

Residential 55 50 45

			Equipment						
			Spec Actual Receptor E						
	Impact		Lmax	Lmax	Distance	Shielding			
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)			
Compressor (air)	No	40)	77.7	470	0 0			

Results

Calculated (dBA) Noise Limits (dBA)

Noise Limit Exceedance (dBA)

		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	64.5	60.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.5	68.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*Calculated I may is the Loudost value													